THE WORLD OF LAPP

EPIC® Industrial Connectors



TOP 100
top100.de
top innovator 2016

LAPP GROUP

Legend

Industries

- Automation
- e-Mobility
- Food & Beverage
- Mechanical and Plant Engineering
- Oil & Gas
- Rail
- Solar Energy
- Wind Energy

Product Characteristics

- Suitable for outdoor use
- Good chemical resistance
- Flame-retardant
- Wide clamping range
- Halogen-free
- Heat-resistant
- Cold-resistant
- Corrosion-resistant
- Maximum vibration protection
- Mechanical resistance
- Assembly time
- Low weight
- Oil-resistant
- Optimum strain relief
- Space requirement
- Power chain
- Clean room
- Robust
- Acid-resistant
- Reliability
- Integrated SKINTOP® cable gland
- Voltage
- Connector with standard housing unit
- Interference signals
- Temperature-resistant
- Torsion-resistant
- Torsion load
- UV-resistant
- Waterproof
- Variety of approval certifications

Please note: the purpose of the icons is to provide you with a quick overview and a rough indication of the product features to which the corresponding information relates. You can find details of product characteristics in the “technical data” sections on the product pages.

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Success through values

Rock solid, high performance. Regional roots, global aspirations. Fast, reliable, high quality – and development that is always one step ahead. This is Lapp.

The southwest region of Germany is considered one of the most innovative and powerful industrial sectors in the world, and for good reason. Lapp is a part of this region, helping to guide it and its success worldwide.
As a completely family run company, we know: Everything that we have achieved since our founding in 1957 is based on the daily commitment of our skilled staff and partnerships with our customers based on trust. Each of them has made a decisive contribution to our mutual success. Today, Lapp is one of the world's leading manufacturers of cables, leads, cable accessories and systems of the highest level of quality. We have approximately 3,200 employees worldwide. With 18 production sites on four continents, more than 40 sales companies and hundreds of dedicated consulting experts, we are always close by. And not just physically: customer proximity cannot be measured in mere kilometres. It is based on listening, making your challenges our own and developing solutions that help to further your business model. Candid closeness and a trusting, partnership-based cooperation are more than just words for Lapp, they are values upon which we have built our family company.

The result? Intelligent and reliable connectivity solutions precisely tailored to the needs of our globally active customers. For you as well.

Customer-oriented
Successful
Family based
Innovative. **Lapp.**

- Founded in 1957
- A leading manufacturer of cables, leads, accessories and complete system solutions for connection technology
- Approximately 3,300 employees worldwide
- 17 production facilities
- More than 39 sales companies
- Hundreds of dedicated consulting experts worldwide



Andreas Lapp,
Matthias Lapp,
Ursula Ida Lapp,
Alexander Lapp,
Siegbert Lapp.

Reliably connecting the world

We want to help you become even more productive and successful. This is why we work tirelessly on optimising our processes. We do everything to make sure we always find the best solution for you and also provide you with quick, efficient and effective support.

No matter where you are – we are always by your side. Our plants, sales companies, partners and, above all, our competent teams of advisers ensure we offer you a comprehensive service on every continent. We do not simply distribute cable technology, we also manufacture our products ourselves – which represents another advantage for you. As a manufacturer with 18 of our own production facilities, you will benefit from our expertise in the development, design and manufacture of cables, system products and cable accessories. Thanks to this expertise, we can guarantee that Lapp will provide you with the quality that you require and that you demand.

You can always rely on quality from Lapp – wherever you are in the world. This is also embodied by our strong brands.

100
sales partners

8
strong brands

1
innovation after another

Employees from
152
countries

More than
40,000
standard products

39
proprietary sales companies

3,300
employees

Our global corporate network



Find other sales partners in your location:
www.lappgroup.com

America

Brazil	Cabos Lapp Brasil Ltda.
Canada	Lapp Canada Inc.
Mexico	Lapp Mexico S. de R.L. de C.V.
Panama	Lapp Latinamerica Support Corp.
USA	Lapp USA Inc.
	Lapp Cable Works Inc.
	Lapp Tannehill Inc.

Europe

Austria	Lapp Austria GmbH
Benelux	Lapp Benelux B.V.
Czech Republic	Lapp Kabel s.r.o.
France	Lapp France S.a.r.l.
	Cableries Lapp S.a.r.l.
	Lapp Muller S.A.S.
Germany	U.I. Lapp GmbH
	Lapp GmbH Kabelwerke
	Lapp Systems GmbH
	Contact GmbH
	Elektrische Bauelemente
Great Britain	Lapp Ltd.
Hungary	Lapp Hungária KFT
Italy	Lapp Italia s.r.l.
	Camuna Cavi s.r.l.
	Lapp Sistemi Italia s.r.l.
Kazakhstan	Lapp Kazakhstan LLP
Latvia	Lapp Miltronic SIA
Norway	Miltronic AS
Poland	Lapp Kabel Sp. z o.o.
Portugal	Policabos S.A.
Romania	Lapp Kabel Romania SRL.
Russia	Lapp Russia OOO
Slovakia	Lapp Slovensko s.r.o.
Slovenia	Lapp, d.o.o.
Spain	Lapp Kabel España S.L.U.
Sweden	Miltronic AB
	Fleximark AB
Switzerland	Lapp Tec AG
Turkey	Lapp Kablo SAN.VE TIC. LTD.STI
Ukraine	Lapp Ukraine LLC
United Arab Emirates	Lapp Cables Middle East F.Z.E.

Africa

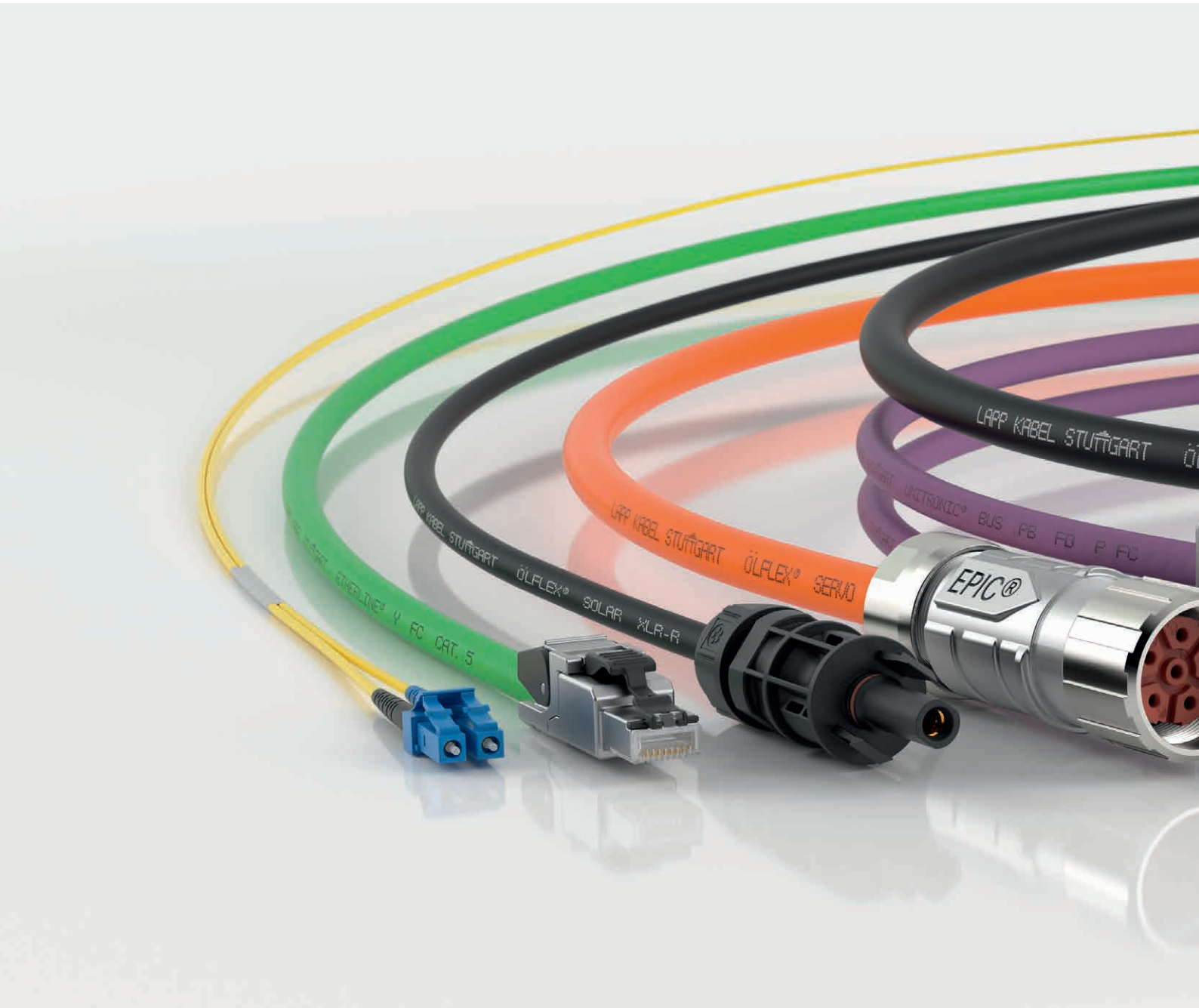
South Africa	Lapp Southern Africa Pty. Ltd.

Asia

China	Lapp Kabel Shanghai Co. Ltd.
	Lapp Cable Works Shanghai Co. Ltd.
India	Lapp India Pvt. Ltd.
Indonesia	JPT JJ-Lapp Cable SMI
Japan	Lapp Japan KK
Malaysia	JJ Lapp Cable (M) Sdn Bhd
Philippines	JJ Lapp Cable (P) Inc
Singapore	JJ-Lapp Cable (S) Pte. Ltd.
	Lapp Logistics Pte. Ltd.
South Korea	Lapp Korea LLC.
Thailand	JJ-Lapp Cable (T) Ltd.
Vietnam	JJ-Lapp Cable Vietnam Co Ltd.

“What’s a cable without a connector?”

Oskar Lapp



Cables and connectors – we can do both

Reliably connecting the world: The Lapp Group has been successfully operating on the market with this motto for decades. Right from the very beginning, the company founder Oskar Lapp realized that this ambitious goal could not be met with high-performance cables alone. No reliable connection without a custom-fit connector solution - even the best cable is no use. That is why Lapp has always focused on both product areas: Cables and industrial connectors. A consistent and foresighted strategy that, in particular, takes account of the ever-increasing complexity of clients' requirements and the desire for reliable, complete solutions from a single source.

The fact that Lapp's name today is mainly associated with innovative cable solutions is due not least to the unprecedented ÖLFLEX® success story. The brand name is now known all over the world and stands for excellent quality and uncompromising performance. Less well known is that Oskar Lapp started out with the development of connectors and so laid the foundations for our current multifaceted EPIC® industrial connector range, which is presented to you in this brochure for the first time in its entire range.

Over 50 years of expertise in the development and manufacture of industrial connectors guarantees our customers worldwide not only unconditional first-class quality but also perfectly matched, integrated cable and connector solutions from a single source. You can also benefit from this unique know-how.







Solid connector solutions for demanding applications

The development of the first EPIC® industrial connector more than 50 years ago was the starting point for today's versatile and constantly evolving EPIC® connector range. Be it wind energy, photovoltaic systems, mechanical engineering, servo technology, or Industry 4.0 – as technology leaders, we are always very close to the market, set industry standards and provide our international customers with reliable connector solutions for every conceivable application. That was also the case for the construction of the world's longest railway tunnel: the 57-kilometre Gotthard Base Tunnel in Switzerland.

Our EPIC® connectors were used on the project as extension connectors and ensured the power supply and control of the Herrenknecht company's giant tunnel drill, which worked its way deeper and deeper into the hard rock. The EPIC® H-BE connectors were interconnected with housings and inserts every 50 metres. These extremely reliable connectors can withstand even higher voltages and currents without any problem. That is why they are the ideal solution for extreme underground operations.

Rely on our many years of manufacturer and solution expertise in the field of connectors. Our manufacturing facilities, subsidiaries and logistics centres around the globe guarantee short distances, fair pricing and uniform quality standards. Convince yourself of our comprehensive EPIC® product portfolio or let us advise you about individual solutions for your specific application requirements. We would be pleased to help.

Industry 4.0 live at Lapp with our housing configurator

products.lappgroup.com/connector-housing

Design, insert, housing, counterpart - use the practical Connector Finder on our website and with just a few clicks, find the ideal connector solution that meets your requirements. We recommend that you also test our housing configurator to configure your individual industrial connector housings, featuring customised cable entries. Enjoy trying it out!

EPIC® Industrial connectors at a glance

EPIC® rectangular connectors

Flexible, robust connectors for mechanical engineering



The connector system for mechanical and plant engineering and wherever a robust connection system is required. EPIC® Rectangular connectors are available as components. The right connector for any application can be made individually from housings, inserts and contacts. **www.lappgroup.com/connectorfinder**

For the housing, there are two performance classes to choose from

- EPIC® Standard is robust and there is a flexible choice of cable entries **www.lappgroup.com/connector-housing**
- EPIC® ULTRA has a high corrosion protection, EMC protection as well as a stainless steel interlocking device

EPIC® inserts are available in a fixed pin design and as a modular system

- EPIC® fixed pin inserts are easy to handle and come in a wide variety of designs
- EPIC® modular inserts offer flexibility with modules for data, signals, power, fibre-optics and pneumatics. This means every insert is individually tailor-made for the relevant modul configuration

EPIC® circular connectors

Compact connectors for motion control and energy transfer



Circular connections come in two designs, a signal design with gold-plated contacts for transmitting delicate signals and as high-reserve power connectors.

EPIC® SIGNAL connectors are available as M17, M23 and R3.0 (M27)

- The metal housing with an integrated EMC screen contact reliably prevents electromagnetic interferences
- Gold-plated signal contacts reliably transmit with the lowest of currents and voltages

EPIC® POWER connectors are available as
M12, M17, LS1 (M23), LS1.5 (M40) and LS3 (M58)

- The integrated EMC cable glands offer strain relief and are perfectly sealed
- High-quality sealing materials for good chemical protection

EPIC® POWERLOCK

- Perfect for transmitting very high currents
- Colour coded and geometrically coded in order to prevent incorrect connections



Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SOLAR connectors

Durable connectors for photovoltaics

High-quality connections for a long-term and reliable outdoor connection

EPIC® SOLAR field harnessable

- Crimp and insert the contact, twist the cable gland, it's that simple

EPIC® SOLAR Map for organic PV modules

- Customised production instead of off-the-shelf products, that's what the new PV connection technology made by Lapp is about

EPIC® Industrial connectors at a glance

Properties	Connection type					Connection cross section	Rated voltage according to standards			Rated current for largest connection cross section according to standards			Approvals
	Screw	Crimp	Spring	Push-In	Solder	in mm² depending on connection type	IEC	UL/USR	CSA/CNR	IEC	UL/USR	CSA/CNR	International
Rectangular – inserts fixed													
EPIC® H-A 3, 4	●					0.5 – 2.5	400 V	600 V	600 V	23 A	10 A	10 A	VDE, UR, CSA
EPIC® H-A 10, 16, 32, 48	●					0.5 – 2.5	250 V	600 V	600 V	16 A	14 A	16 A	VDE, UR, CSA
EPIC® STA 6, 14, 20	●				●	0.5 – 1.5/ max. 1.5	24 VAC/60 VDC	48 V	48 V	10 A	10 A	10 A	UR, CSA
EPIC® H-Q 5		●				0.14 – 4.0	230 V/400 V	600 V	600 V	16 A	16 A	16 A	UR, CSA
EPIC® H-D 7, 8		●				0.14 – 2.5	H*	250 V	–	10 A	10 A	–	UR
EPIC® H-D 15, 25, 40, 64		●				0.14 – 2.5	250 V	250 V	–	10 A	10 A	–	UR
EPIC® H-DD 24, 42, 72, 108		●				0.14 – 2.5	250 V	600 V	600 V	10 A	8.5 A	10 A	UR, CSA
EPIC® H-BE 6, 10, 16, 24, 32, 48	●	●	●	●		0.5 – 2.5/ 0.14 – 4.0	500 V	600 V	600 V	16 A	16 A	16 A	VDE, cURus
EPIC® H-EE 10, 18, 32, 46		●				0.14 – 4.0	500 V	600 V	600 V	16 A	16 A	16 A	UR, CSA
EPIC® H-BS 6, 12	●					0.5 – 6.0	500 V	600 V	600 V	35 A	35 A	35 A	UR, CSA
EPIC® H-BVE 3, 6, 10	●					0.5 – 2.5	630 V	600 V	600 V	16 A	16 A	16 A	VDE, cURus
POWER H-S 4	●					2.5 – 10.0	1000 V	–	–	65 A	–	–	–
EPIC® POWER K 4/0, 4/2	●					1.5 – 16.0	830 V	–	–	80 A	–	–	–
EPIC® TB-H-BE 16, 24	●					0.5 – 4.0	500 V	600 V	600 V	16 A	16 A	16 A	UR, CSA
Rectangular – inserts modular													
High voltage 1+PE, 2	●					10.0 – 25.0	1000 V	600 V	–	82 A	82 A	–	VDE, cURus
EPIC® POWER HC2		●				16	1000 V	–	–	65 A	–	–	–
POWER HHC2		●				16.0 – 35.0	1000 V	–	–	150 A	–	–	–
POWER HHC1		●				50.0 – 95.0	1000 V	–	–	220 A	–	–	–
High voltage 3-pin		●				1.5 – 10.0	1000 V	–	–	50 A	–	–	–
High voltage 4+PE		●				0.5 – 2.5	1000 V	–	–	16 A	–	–	–
3-pin		●				1.5 – 10.0	630 V	600 V	600 V	40 A	40 A	35 A	UR, CSA
HE 4-pin		●				0.5 – 4.0	630 V	–	–	25 A	–	–	–
Cage clamp 4-pin			●			0.5 – 2.5	400 V	–	–	14 A	–	–	–
5-pin		●				0.5 – 4.0	400 V	400 V	400 V	20 A	20 A	16 A	UR, CSA
10-pin		●				0.14 – 2.5	250 V	250 V	240 V	10 A	10 A	10 A	UR, CSA
10-pin stamped		●				0.14 – 2.5	250 V	–	–	10 A	–	–	–
20-pin		●				0.08 – 0.56	100 V	100 V	100 V	4 A	4 A	4 A	UR, CSA
Blind						–	–	–	–	–	–	–	–
Coaxial		●				Coaxial	250 V	–	–	–	–	–	–
PROFIBUS® DP	●					0.08 – 1.5	30 V	–	–	1 A	–	–	–
Universal bus	●					0.08 – 1.5	30 V	–	–	1 A	–	–	–
RJ45		●				0.14 – 2.5/ 0.12 – 0.2	600 V/ 125 V	–	–	P*: 10 A S*: 1.5 A	–	–	–
Pneumatic 1, 2-pin				●		ø 2.5/4.0 mm ø 2.5/4.0 mm	–	–	–	–	–	–	–
Round													
EPIC® POWER M12 3+PE	●					0.75 – 1.5	630 V	600 V		12 A	12 A	12 A	cURus
EPIC® SIGNAL M17 8, 17		●				0.06 – 0.56/ 0.06 – 1.0	60 V	–	–	3.6 A	–	–	–
EPIC® POWER M17 3+PE		●				0.5 – 2.5	630 V	–	–	20 A	–	–	–
EPIC® POWER M17 5+PE, 6+PE, 7+PE		●				0.06 – 1.0	630 V	–	–	14 A	–	–	–
EPIC® POWER M17 3+PE+5		●				0.06 – 1.0/ 0.06 – 0.56	630 V/ 60 V	–	–	P*: 14 A S*: 3.6 A	–	–	–
EPIC® SIGNAL M23 6, 7		●			●	0.06 – 2.5	150 V	150 V	150 V	18A	15 A	15 A	VDE, cURus
EPIC® SIGNAL M23 8+1		●			●	0.06 – 1.0/ 0.06 – 2.5	150 V	150 V	150 V	P*: 20 A S*: 7 A	P*: 20 A S*: 7 A	P*: 20 A S*: 7 A	VDE, cURus
EPIC® SIGNAL M23 9		●			●	0.06 – 1.0	150 V	150 V	150 V	7 A	7 A	6 A	VDE, cURus
EPIC® SIGNAL M23 12, 16		●			●	0.06 – 1.0	100 V	100 V	100 V	7 A	7 A	6 A	VDE, cURus
EPIC® SIGNAL M23 17		●			●	0.06 – 1.0	50 V	50 V	50 V	7 A	7 A	7 A	VDE, cURus
EPIC® SIGNAL R3.0					●	0.06 – 1.0	24 VAC/60 VDC	–	–	7.5 A	–	–	–
EPIC® POWER LS1 5+PE		●				0.5 – 4.0	630 V	600 V	600 V	25 A	22 A	17 A	VDE, cURus
EPIC® POWER LS1 3+PE+4		●				0.5 – 4.0/ 0.4 – 1.0	630 V/250 V	600 V/ 250 V	600 V/ 250 V	P*: 26 A S*: 7 A	P*: 22 A S*: 7 A	P*: 17 A S*: 7 A	VDE, cURus
EPIC® POWER LS1.5 3+PE+2, 3+PE+4		●				0.75 – 10.0/ 0.14 – 4.0	630 V/250 V	–	–	P*: 70 A S*: 30 A	–	–	–
EPIC® POWER LS3 3+PE+2, 3+PE+4		●				10.0 – 50.0/ 0.75 – 1.5	630 V/250 V	–	–	P*: 150 A S*: 12 A	–	–	–
EPIC® POWERLOCK S	●					50.0 – 120.0	1000 V	–	–	400 A	–	–	VDE
EPIC® POWERLOCK C		●				35.0 – 240.0	1000 V	–	–	660 A	–	–	VDE
SOLAR													
EPIC® SOLAR 4		●				2.5 – 6.0	1000 V	–	–	30 A	–	–	TÜV

H*: In metal housing: 24 VAC/60 VDC; in plastic housing: 250 V

S*: Signal

P*: Power


SKINTOP®
EPIC®
SKINTOP®
EPIC®

EPIC® Industrial connectors

flexible, robust connectors for mechanical engineering

EPIC® industrial connectors have successfully been in use around the globe in the most diverse applications for many years. EPIC® connectors are particularly valuable in situations where maximum safety and reliability are paramount. EPIC® rectangular connectors are available as individual components or as kits. As a result, customers can select from the best solutions to meet their demands in terms of housing, inserts and contacts.
The main areas of application are:

- Electronics and telecommunications
- Measurement, testing and control engineering
- Industrial machinery and appliances
- Drive systems and industrial automation
- Photovoltaic systems

products.lappgroup.com/connectorselector

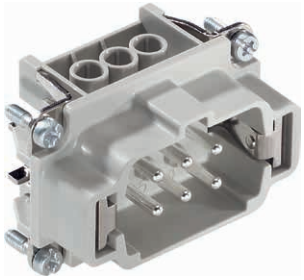
EPIC® Rectangular connector housing



EPIC® – apart from the products' quality and reliability, tried and tested many times on the market, our customers greatly value the option to be able to almost completely define the cable entry of the housing to meet individual specifications.
EPIC® ULTRA – the high-quality, nickel-plated housing of this EPIC®ULTRA series provides even better corrosion protection. As a result of the outstanding EMC features of this surface, the connector provides perfect, low-resistance 360° screening thanks to the high-quality bolts and clamps made of stainless steel.

products.lappgroup.com/connector-housing

EPIC® Rectangular connector inserts



EPIC® – fixed pin inserts guarantee safe and simple handling suitable for plenty of industrial applications.

EPIC® – modular inserts provide maximum flexibility thanks to modules customers can configure to suit their individual requirements. Users can configure modules for data, signals, output, FOC and pneumatics in any combination in one housing.

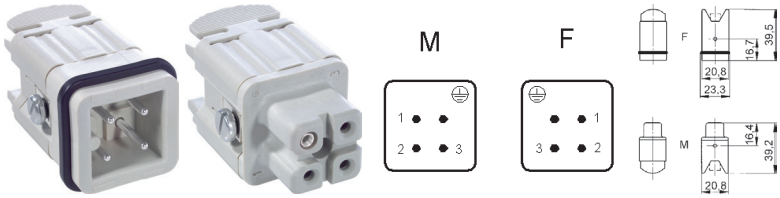
EPIC® Accessories



Matching accessories are available for EPIC® housings and inserts. In addition to certified and approved crimping tools we also provide the matching assembly or disassembly tools. Protective covers made of impact-resistant plastic provide effective screening from environmental influences. Coding elements are suitable to prevent incorrect connections and protect the system. The range is rounded off by cover panelsand spare parts for housings.

EPIC® H-A 3

H-A inserts with screw termination up to 2.5 mm² wire cross section

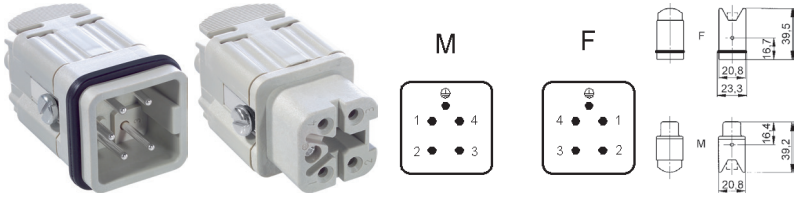


Info

- Small power connector for single- or three-phase current
- Easy to assemble due to straight entry of conductors
- Railway applications

EPIC® H-A 4

H-A inserts with screw termination up to 2.5 mm² wire cross section



Info

- Insert for three-phase current application with neutral conductor
- Easy to assemble due to straight entry of conductors
- Railway applications

Suitable housing

- EPIC® H-A 3 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Benefits

- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- The small H-A 3 / H-A 4 are used whenever there is minimal space.
- Easy to service screw connection
- Easy cable connection with strait cable entry in the contacts

Application range

- Railway applications / vehicle construction
- Machine and equipment manufacturing
- Control engineering
- Apparatus construction

Suitable tools

- PEW 8.186 crimping pliers refer to main catalogue
- MULTICRIMP 6 crimping pliers refer to main catalogue
- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 400 V
UL: 600 V
CSA: 600 V

Rated impulse voltage
4 kV

Rated current (A)
IEC: 23 A
UL: 10 A
CSA: 10 A

Degree of soiling
3

Contact resistance
1.5 - 4 mohm

Contacts
Copper alloy, hard silver-plated

Number of contacts
EPIC® H-A 3
3 + PE
EPIC® H-A 4
4 + PE

Termination methods
Screw termination: 0.5 - 2.5 mm²
(2.5 mm² with conductor end sleeves depending on the crimping profile)

Stripping length (mm)
6

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770

Temperature range
40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
H-A 3 screw termination				
10420000	H-A 3 SS	male	1 - 3	10
10421000	H-A 3 BS	female	1 - 3	10
H-A 4 screw termination				
10431000	H-A 4 SS	male	1 - 4	10
10432000	H-A 4 BS	female	1 - 4	10

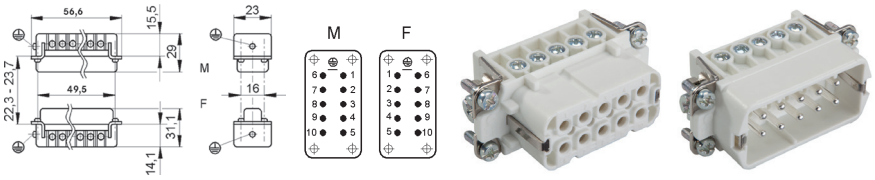
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-A 10

H-A inserts with screw termination up to 2.5 mm² wire cross section

Info

- Slim standard insert, easy to connect by screw
- Universal for current and voltage transmission

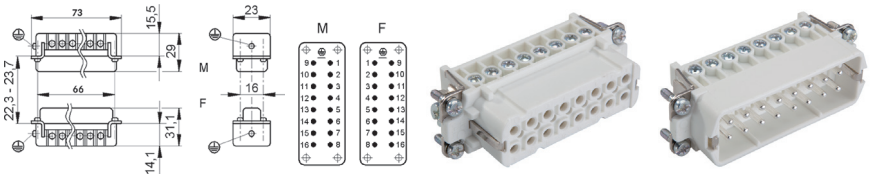


EPIC® H-A 16

H-A inserts with screw termination up to 2.5 mm² wire cross section

Info

- Slim standard insert, easy to connect by screw
- Universal for current and voltage transmission



Suitable housing

EPIC® H-A 10

- EPIC® H-A 10 Housings

EPIC® H-A 16

- EPIC® H-A 10 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Benefits

- Slim connector insert for standard application
- Easy to service screw connection
- Universal for current and voltage transmission

Application range

- Machine and equipment manufacturing
- Control engineering

Suitable tools

- PEW 8.186 crimping pliers
  refer to main catalogue
- MULTICRIMP 6 crimping pliers
  refer to main catalogue
- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set
  refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 250 V
UL: 600 V
CSA: 600 V

Rated impulse voltage
4 kV

Rated current (A)
IEC: 16 A
UL: 14 A
CSA: 16 A

Degree of soiling
3

Contact resistance
1.5 - 4 mohm

Contacts
Copper alloy, hard silver-plated

Number of contacts
EPIC® H-A 10
10 + PE
EPIC® H-A 16
16 + PE

Termination methods
Screw termination: 0.5 - 2.5 mm²
(2.5 mm² with conductor end sleeves depending on the crimping profile)

Stripping length (mm)
8

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

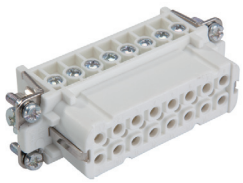
Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-A 10 screw termination					
10440100	H-A 10 SS	male	yes	1 - 10	5
10441100	H-A 10 BS	female	yes	1 - 10	5
10440000	H-A 10 SS	male		1 - 10	5
10441000	H-A 10 BS	female		1 - 10	5
H-A 16 screw termination					
10530000	H-A 16 SS	male	yes	1 - 16	5
10531000	H-A 16 BS	female	yes	1 - 16	5
10532000	H-A 16 SS	male		1 - 16	5
10533000	H-A 16 BS	female		1 - 16	5

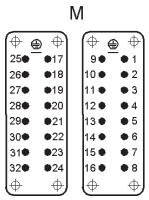
Photographs are not to scale and do not represent detailed images of the respective products.

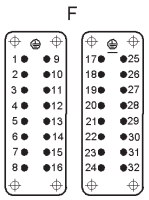
EPIC® H-A 32

H-A inserts with screw termination up to 2.5 mm² wire cross section









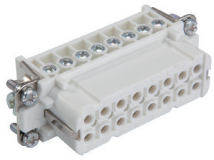
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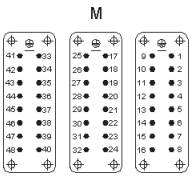
- Slim standard insert, easy to connect by screw
- Universal for current and voltage transmission

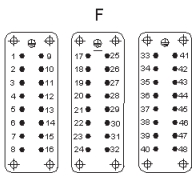
EPIC® H-A 48

H-A inserts with screw termination up to 2.5 mm² wire cross section









Info

- Slim standard insert, easy to connect by screw
- Universal for current and voltage transmission

Suitable housing

EPIC® H-A 32

- EPIC® H-A 32 Housings

EPIC® H-A 48

- EPIC® H-A 32 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Benefits

- Slim connector insert for standard application
- Easy to service screw connection
- Universal for current and voltage transmission

Application range

- Machine and equipment manufacturing
- Control engineering

Suitable tools

- PEW 8.186 crimping pliers
  refer to main catalogue
- MULTICRIMP 6 crimping pliers
  refer to main catalogue
- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set
  refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 250 V
UL: 600 V
CSA: 600 V

Rated impulse voltage
4 kV

Rated current (A)
IEC: 16 A
UL: 14 A
CSA: 16 A

Degree of soiling
3

Contact resistance
1.5 - 4 mohm

Contacts
Copper alloy, hard silver-plated

Number of contacts
16 + PE

Termination methods
Screw termination: 0.5 - 2.5 mm²
(2.5 mm² with conductor end sleeves depending on the crimping profile)

Stripping length (mm)
8

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-A 32 screw termination					
10540000	H-A 16 SS	male	yes	17 - 32	5
10541000	H-A 16 BS	female	yes	17 - 32	5
10542000	H-A 16 SS	male		17 - 32	5
10543000	H-A 16 BS	female		17 - 32	5
H-A 48 screw termination					
10540100	H-A 16 SS	male	yes	33 - 48	5
10541100	H-A 16 BS	female	yes	33 - 48	5
10542100	H-A 16 SS	male		33 - 48	5
10543100	H-A 16 BS	female		33 - 48	5

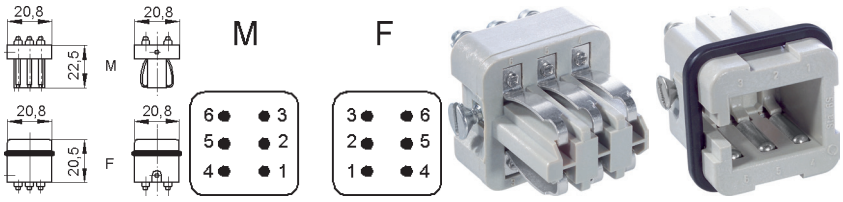
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® STA 6 Screw termination

The proven STA inserts with spring contacts

Info

- For reliable signal transmission in harsh environmental conditions
- Mechanically robust spring contacts

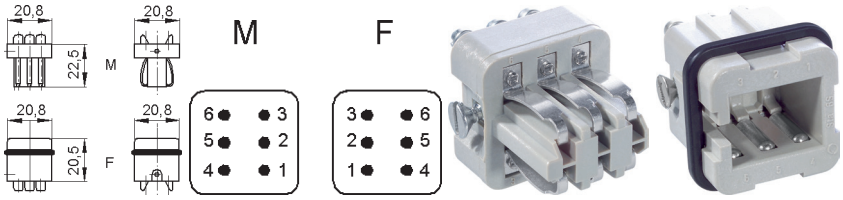


EPIC® STA 6 Solder termination

The proven STA inserts with spring contacts

Info

- For reliable signal transmission in harsh environmental conditions
- Mechanically robust spring contacts



Suitable housing

- EPIC® H-A 3 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Benefits

- Good contact due to the strong contact springs.
- The proven STA inserts with spring contacts

Application range

- Control systems
- Rack technology
- Electronic laboratory

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 24 V AC, 60 V DC
UL: 48 V
CSA: 48 V

Rated current (A)
IEC: 10 A
UL: 10 A
CSA: 10 A

Degree of soiling
2

Contact resistance
< 3 mOhm

Contacts
Copper alloy, tinned

Number of contacts
6

Termination methods
EPIC® STA 6 Screw termination
Screw termination: 0.5 - 1.5 mm²
EPIC® STA 6 Solder termination
Solder termination: up to 1.5 mm²

Stripping length (mm)
5

Cycle of mechanical operation
100

VDE-tested
UL-tested:
UL File Number: E75770

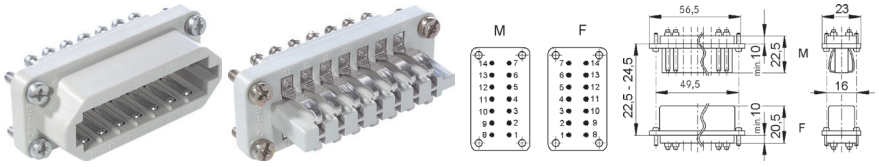
Temperature range
-40°C up to +80°C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
STA 6 screw termination				
10486100	STA 6 SS	male	1 - 6	10
10488100	STA 6 FS	Spring	1 - 6	10
STA 6 solder termination				
10485200	STA 6 SL	male	1 - 6	10
10487200	STA 6 FL	Spring	1 - 6	10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® STA 14 Screw termination

The proven STA inserts with spring contacts

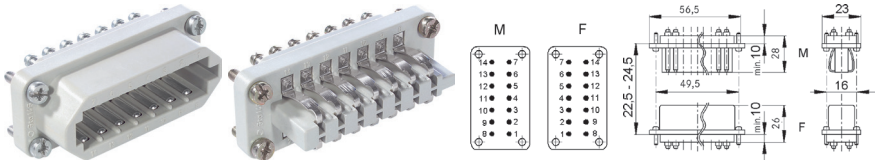


Info

- For reliable signal transmission in harsh environmental conditions
- Mechanically robust spring contacts

EPIC® STA 14 Solder termination

The proven STA inserts with spring contacts



Info

- For reliable signal transmission in harsh environmental conditions
- Mechanically robust spring contacts

Suitable housing

- EPIC® H-A 10 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Benefits

- Good contact due to the strong contact springs.
- The proven STA inserts with spring contacts

Application range

- Control systems
- Rack technology
- Electronic laboratory

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 24 V AC, 60 V DC
UL: 48 V
CSA: 48 V

Rated current (A)
IEC: 7.5 A
UL: 7.5 A
CSA: 7.5 A

Degree of soiling
2

Contact resistance
< 3 mOhm

Contacts
Copper alloy, tinned

Number of contacts
14

Termination methods
EPIC® STA 14 Screw termination
Screw termination: 0.5 - 1.5 mm²
EPIC® STA 14 Solder termination
Solder termination: up to 1.5 mm²

Stripping length (mm)
5

Cycle of mechanical operation
100

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40°C up to +80°C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
STA 14 screw termination				
10491100	STA 14 SS	male	1 - 14	5
10493100	STA 14 FS	Spring	1 - 14	5
STA 14 solder termination				
10490200	STA 14 SL	male	1 - 14	5
10492200	STA 14 FL	Spring	1 - 14	5

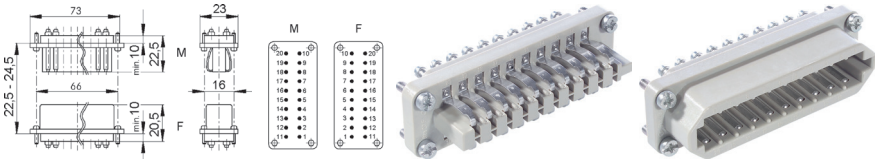
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® STA 20 Screw termination

The proven STA inserts with spring contacts

Info

- For reliable signal transmission in harsh environmental conditions
- Mechanically robust spring contacts

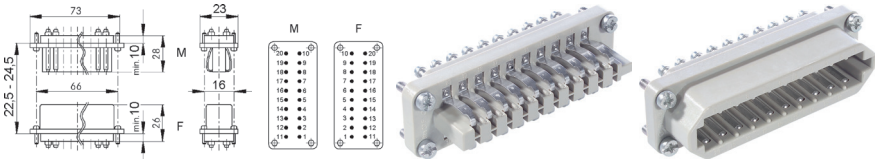


EPIC® STA 20 Solder termination

The proven STA inserts with spring contacts

Info

- For reliable signal transmission in harsh environmental conditions
- Mechanically robust spring contacts



Suitable housing

- EPIC® H-A 16 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Benefits

- Good contact due to the strong contact springs.
- The proven STA inserts with spring contacts

Application range

- Control systems
- Rack technology
- Electronic laboratory

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 24 V AC, 60 V DC
UL: 48 V
CSA: 48 V

Rated current (A)
IEC: 7 A
UL: 7 A
CSA: 7 A

Degree of soiling
2

Contact resistance
< 3 mOhm

Contacts
Copper alloy, tinned

Number of contacts
20

Termination methods
EPIC® STA 20 Screw termination
Screw termination: 0.5 - 1.5 mm²
EPIC® STA 20 Solder termination
Solder termination: up to 1.5 mm²

Stripping length (mm)
5

Cycle of mechanical operation
100

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40°C up to +80°C

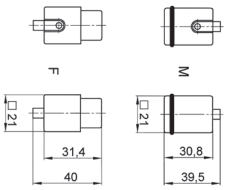
Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
STA 20 screw termination				
10501100	STA 20 SS	male	1 - 20	5
10503100	STA 20 FS	Spring	1 - 20	5
STA 20 solder termination				
10500200	STA 20 SL	male	1 - 20	5
10502200	STA 20 FL	Spring	1 - 20	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-Q 5

With five working contacts in the proven crimp technology and one PE contact with screw termination.





Info

- Compact, powerful standard insert
- Space saving, crimping contact

Suitable housing

- EPIC® H-A 3 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

- EPIC® H-BE 2.5 machined contacts
  Page 86

Benefits

- High performance crimping contacts
- PE contact with screw connection

Application range

- Machine and equipment manufacturing
- Control engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 230 V / 400 V
UL: 600 V
CSA: 600 V

Rated impulse voltage
4 kV

Rated current (A)
IEC: 16 A
UL: 16 A
CSA: 16 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver/gold-plated

Number of contacts
5 + PE

Termination methods
Crimp termination: 0.5 - 2.5 mm²

Cycle of mechanical operation
100

VDE-tested
UL-tested: UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
H-Q 5 crimp termination				
10431500	H-Q 5 SC	male	1 - 5	10
10432500	H-Q 5 BC	female	1 - 5	10

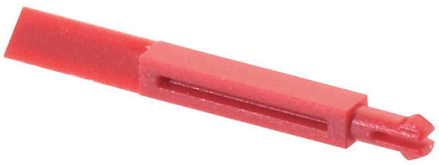
Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® H-Q 12

Multi-pole insert for the small H-A 3 housing





Info

- 12 power contacts in confined spaces
- Space saving, crimping contact

Suitable housing

- EPIC® H-A 3 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

- EPIC® H-D 1.6 machined contacts
  Page 83

Benefits

- High performance crimping contacts
- PE contact with screw connection

Application range

- Machine and equipment manufacturing
- Control engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 400 V
UL: 600 V
CSA: 600 V

Rated impulse voltage
6 kV

Rated current (A)
IEC: 10 A
UL: 14 A
CSA: 10 A

Degree of soiling
3

Contact resistance
< 3 mOhm

Contacts
Copper alloy, hard silver/gold-plated

Number of contacts
12 + PE

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Cycle of mechanical operation
200

VDE-tested
CSA-tested: CSA File Number: 262771
UL-tested: UL File Number: E75770

Temperature range
-40°C to +120°C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
H-Q 12 Crimp termination				
44424049	H-Q 12 SC	male	1 - 12	10
44424050	H-Q 12 BC	female	1 - 12	10

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

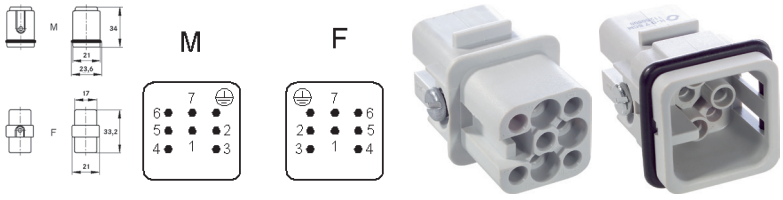
- EPIC® Coding parts refer to page 183

EPIC® H-D 7 machined

multi-pole inserts for machined crimp contacts

Info

- Compact, powerful standard insert
- For machined contacts for fast processing with the crimping tool

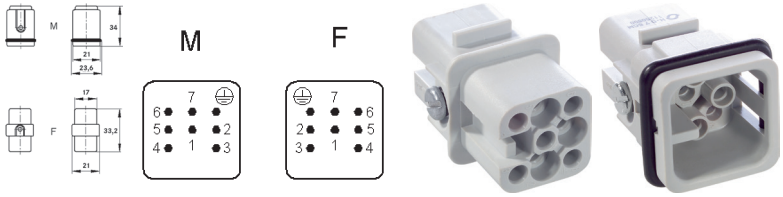


EPIC® H-D 7 stamped

multi-pole inserts for stamped crimp contacts

Info

- For automated production with crimping machine
- Space saving, crimping contact
- Suitable for processing with contacts on reel



Suitable housing

- EPIC® H-A 3 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

EPIC® H-D 7 machined

- EPIC® H-D 1.6 machined contacts Page 83

EPIC® H-D 7 stamped

- EPIC® H-D 1.6 stamped contacts Page 84
- EPIC® H-D 1.6 stamped contacts-on-reel Page 85

Benefits

- Small, high-performance connector
- High performance crimping contacts
- PE contact with screw connection

Application range

- Machine and equipment manufacturing
- Control engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 24 V (AC)/60 V (DC)
metal housing; 250 V
thermoplastic housing;
UL: 250 V

Rated impulse voltage
2.5 kV

Rated current (A)
IEC: 10 A
UL: 10 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver/gold-plated

Number of contacts
7 + PE

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

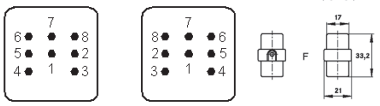
Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-D 7 crimp termination					
11250500	H-D 7 SCM	male	machined	1 - 7	10
11251500	H-D 7 BCM	female	machined	1 - 7	10
EPIC® H-D 7 stamped					
11250000	H-D 7 SCG	male	stamped	1 - 7	10
11251000	H-D 7 BCG	female	stamped	1 - 7	10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-D 8

multi-pole inserts for machined crimp contacts





Info

- Compact, powerful standard insert
- For machined contacts for fast processing with the crimping tool

Suitable housing

- EPIC® H-A 3 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

- EPIC® H-D 1.6 machined contacts
  Page 83

Benefits

- Small, high-performance connector
- High performance crimping contacts
- PE contact with screw connection

Application range

- Machine and equipment manufacturing
- Control engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 24 V (AC)/60 V (DC) metal housing; 250 V thermoplastic housing;
UL: 250 V

Rated impulse voltage
2.5 kV

Rated current (A)
IEC: 10 A
UL: 10 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver/gold-plated

Number of contacts
8

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
H-D 8 crimp termination				
11252500	H-D 8 SCM	male	1 - 8	10
11253500	H-D 8 BCM	female	1 - 8	10

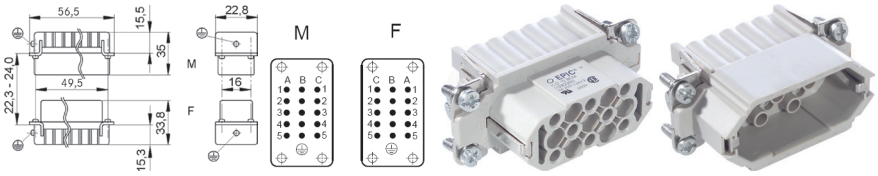
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-D 15 machined

multi-pole inserts for machined crimp contacts

Info

- For machined contacts for fast processing with the crimping tool

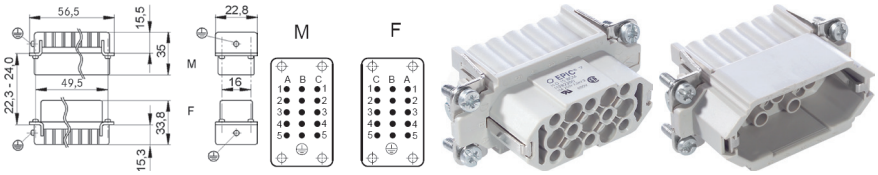


EPIC® H-D 15 stamped

multi-pole inserts for stamped crimp contacts

Info

- For automated production with crimping machine
- Suitable for processing with contacts on reel



Suitable housing

EPIC® H-D 15 machined

- EPIC® H-A 10 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

EPIC® H-D 15 machined

- EPIC® H-D 1.6 machined contacts Page 83

EPIC® H-D 15 stamped

- EPIC® H-D 1.6 stamped contacts Page 84
- EPIC® H-D 1.6 stamped contacts-on-reel Page 85

Benefits

- Inserts of the connector series H-D are designed for applications in which a high number of contacts are required.

Application range

- Machine and equipment manufacturing
- Control engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 250 V
UL: 250 V

Rated impulse voltage
2.5 kV

Rated current (A)
IEC: 10 A
UL: 10 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver/gold-plated

Number of contacts
15 + PE

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

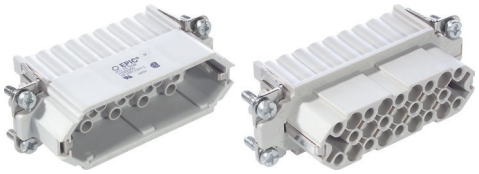
Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

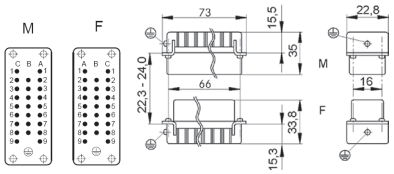
Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-D 15 crimp termination					
11283200	H-D 15 SCM	male	machined	1 - 15	5
11282200	H-D 15 BCM	female	machined	1 - 15	5
EPIC® H-D 15 stamped					
11255000	H-D 15 SCG	male	stamped	1 - 15	5
11256000	H-D 15 BCG	female	stamped	1 - 15	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-D 25 machined

multi-pole inserts for machined crimp contacts



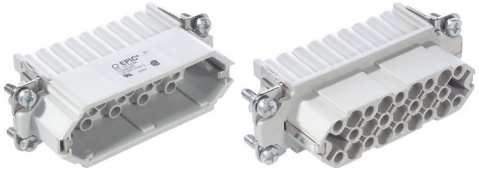


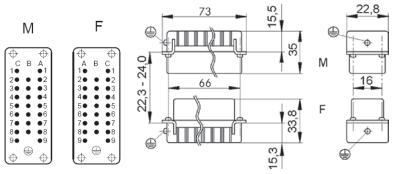
Info

- For machined contacts for fast processing with the crimping tool

EPIC® H-D 25 stamped

multi-pole inserts for stamped crimp contacts





Info

- For automated production with crimping machine
- Suitable for processing with contacts on reel

Suitable housing

- EPIC® H-A 16 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

EPIC® H-D 25 machined

- EPIC® H-D 1.6 machined contacts Page 83

EPIC® H-D 25 stamped

- EPIC® H-D 1.6 stamped contacts Page 84
- EPIC® H-D 1.6 stamped contacts-on-reel Page 85

Benefits

- Inserts of the connector series H-D are designed for applications in which a high number of contacts are required.

Application range

- Machine and equipment manufacturing
- Control engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 250 V
UL: 250 V

Rated impulse voltage
2.5 kV

Rated current (A)
IEC: 10 A
UL: 10 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver/gold-plated

Number of contacts
25 + PE

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-D 25 crimp termination					
11283300	H-D 25 SCM	male	machined	1 - 25	5
11282300	H-D 25 BCM	female	machined	1 - 25	5
EPIC® H-D 25 stamped					
11260000	H-D 25 SCG	male	stamped	1 - 25	5
11261000	H-D 25 BCG	female	stamped	1 - 25	5

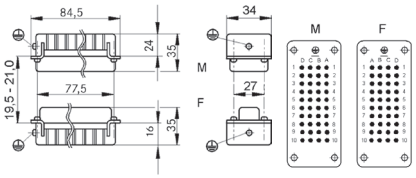
Photographs are not to scale and do not represent detailed images of the respective products.

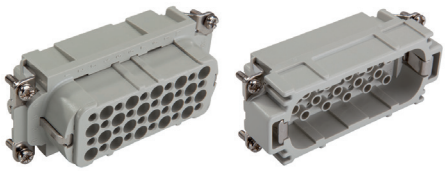
EPIC® H-D 40 machined

multi-pole inserts for machined crimp contacts

Info

- For machined contacts for fast processing with the crimping tool



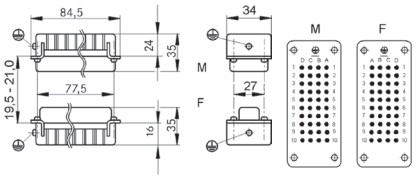


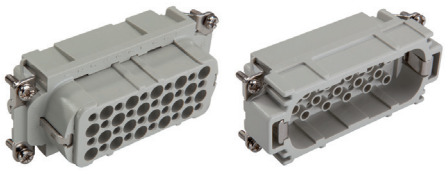
EPIC® H-D 40 stamped

multi-pole inserts for stamped crimp contacts

Info

- For automated production with crimping machine
- Suitable for processing with contacts on reel





Suitable housing

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

Suitable contacts:

EPIC® H-D 40 machined

- EPIC® H-D 1.6 machined contacts Page 83

EPIC® H-D 40 stamped

- EPIC® H-D 1.6 stamped contacts Page 84
- EPIC® H-D 1.6 stamped contacts-on-reel Page 85

Benefits

- Inserts of the connector series H-D are designed for applications in which a high number of contacts are required.

Application range

- Plant engineering
- Light & sound technology

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 250 V
UL: 250 V

Rated impulse voltage
2.5 kV

Rated current (A)
IEC: 10 A
UL: 10 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver/gold-plated

Number of contacts
40 + PE

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Cycle of mechanical operation
100

VDE-tested
UL-tested:
UL File Number: E75770

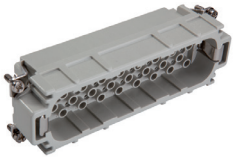
Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

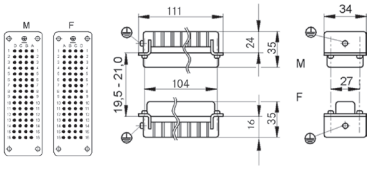
Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-D 40 crimp termination					
11265200	H-D 40 SCM	male	machined	1 - 40	10
11266200	H-D 40 BCM	female	machined	1 - 40	10
EPIC® H-D 40 stamped					
11265000	H-D 40 SCG	male	stamped	1 - 40	5
11266000	H-D 40 BCG	female	stamped	1 - 40	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-D 64 machined

multi-pole inserts for machined crimp contacts



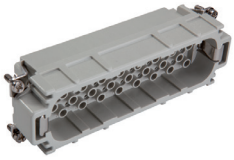


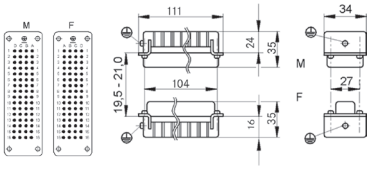
Info

- For machined contacts for fast processing with the crimping tool

EPIC® H-D 64 stamped

multi-pole inserts for stamped crimp contacts





Info

- For automated production with crimping machine
- Suitable for processing with contacts on reel

Suitable housing

- EPIC® ULTRA H-B 24
- EPIC® H-B 24 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

Suitable contacts:

EPIC® H-D 64 machined

- EPIC® H-D 1.6 machined contacts Page 83

EPIC® H-D 64 stamped

- EPIC® H-D 1.6 stamped contacts Page 84
- EPIC® H-D 1.6 stamped contacts-on-reel Page 85

Benefits

- Inserts of the connector series H-D are designed for applications in which a high number of contacts are required.

Application range

- Plant engineering
- Light & sound technology

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 250 V
UL: 250 V

Rated impulse voltage
2.5 kV

Rated current (A)
IEC: 10 A
UL: 10 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver/gold-plated

Number of contacts
64 + PE

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Cycle of mechanical operation
100

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-D 64 crimp termination					
11272000	H-D 64 SCM	male	machined	1 - 64	10
11273000	H-D 64 BCM	female	machined	1 - 64	10
EPIC® H-D 64 stamped					
11270000	H-D 64 SCG	male	stamped	1 - 64	5
11271000	H-D 64 BCG	female	stamped	1 - 64	5

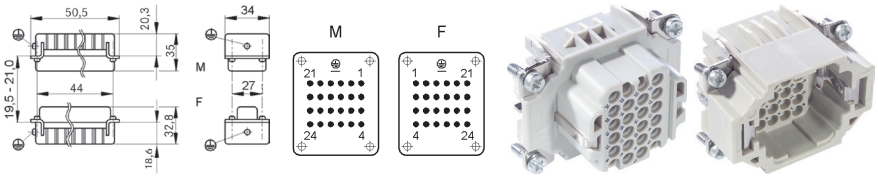
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-DD 24

The H-DD series with machined crimp contacts - for a high number of pin in very tight spaces.

Info

- Highest packing density for compact connectors

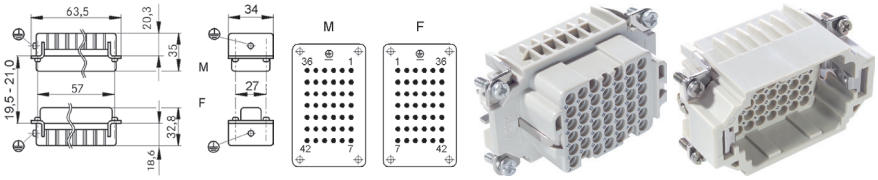


EPIC® H-DD 42

The H-DD series with machined crimp contacts - for a high number of pin in very tight spaces.

Info

- Highest packing density for compact connectors



Suitable housing

EPIC® H-DD 24

- EPIC® ULTRA H-B 6
- EPIC® H-B 6 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

EPIC® H-DD 42

- EPIC® ULTRA H-B 10
- EPIC® H-B 10 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

Suitable contacts:

- EPIC® H-D 1.6 machined contacts Page 83

Benefits

- The H-DD series with machined contacts is designed for a high number of pins in very tight spaces. This allows for smaller housing types to be chosen.

Application range

- Mechanical engineering
- Light & sound technology
- Plastics industry

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 250 V
UL: 600 V
CSA: 600 V

Rated impulse voltage
2.5 kV

Rated current (A)
IEC: 10 A
UL: 8.5 A
CSA: 10 A

Degree of soiling
2

Contact resistance
< 3 mOhm

Contacts
Copper alloy, hard silver/gold-plated

Number of contacts
EPIC® H-DD 24
24 + PE
EPIC® H-DD 42
42 + PE

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

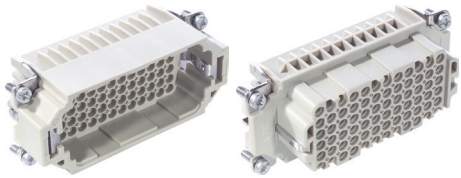
Temperature range
-40°C to +100°C,
short-term up to +125°C

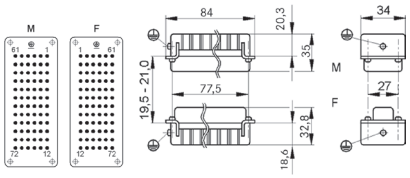
Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-DD 24 crimp termination					
11285000	H-DD 24 SCM	male	machined	1 - 24	5
11286000	H-DD 24 BCM	female	machined	1 - 24	5
H-DD 42 crimp termination					
11285100	H-DD 42 SCM	male	machined	1 - 42	5
11286100	H-DD 42 BCM	female	machined	1 - 42	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-DD 72

The H-DD series with machined crimp contacts - for a high number of pin in very tight spaces.



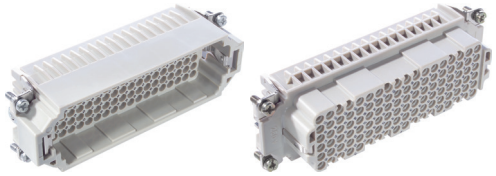


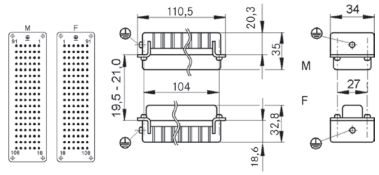
Info

- Highest packing density for compact connectors
- Also as EPIC® H-DD 144 available

EPIC® H-DD 108

The H-DD series with machined crimp contacts - for a high number of pin in very tight spaces.





Info

- Highest packing density for compact connectors
- Also as EPIC® H-DD 216 available

Suitable housing

EPIC® H-DD 72

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

EPIC® H-DD 108

- EPIC® ULTRA H-B 24
- EPIC® H-B 24 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

Suitable contacts:

- EPIC® H-D 1.6 machined contacts Page 83

Similar products

- Further products with higher numbering in the internet. (H-DD 144, H-DD 216)

Benefits

- The H-DD series with machined contacts is designed for a high number of pins in very tight spaces. This allows for smaller housing types to be chosen.

Application range

- Mechanical engineering
- Light & sound technology
- Plastics industry

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 250 V
UL: 600 V
CSA: 600 V

Rated impulse voltage
2.5 kV

Rated current (A)
IEC: 10 A
UL: 8.5 A
CSA: 10 A

Degree of soiling
2

Contact resistance
< 3 mOhm

Contacts
Copper alloy, hard silver/gold-plated

Number of contacts
EPIC® H-DD 72
72 + PE
EPIC® H-DD 108
108 + PE

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-DD 72 crimp termination					
11285200	H-DD 72 SCM	male	machined	1 - 72	5
11286200	H-DD 72 BCM	female	machined	1 - 72	5
H-DD 108 crimp termination					
11285300	H-DD 108 SCM	male	machined	1 - 108	5
11286300	H-DD 108 BCM	female	machined	1 - 108	5

Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

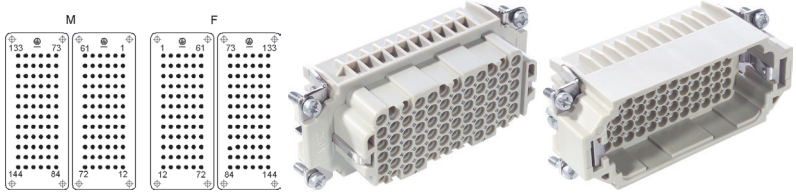
- Further products with higher numbering in the internet. (H-DD 144, H-DD 216)

EPIC® H-DD 144

The H-DD series with machined crimp contacts - for a high number of pin in very tight spaces.

Info

- Highest packing density for compact connectors

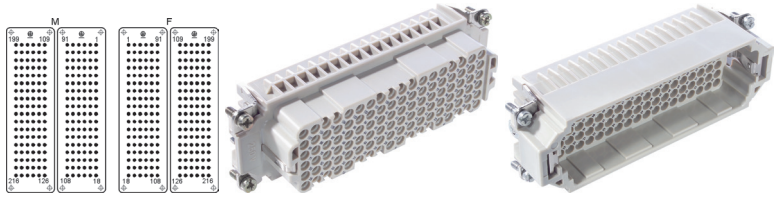


EPIC® H-DD 216

The H-DD series with machined crimp contacts - for a high number of pin in very tight spaces.

Info

- Highest packing density for compact connectors



Suitable housing

EPIC® H-DD 144
- EPIC® H-B 32 Housings

EPIC® H-DD 216
- EPIC® H-B 48 Housings

Suitable contacts:

- EPIC® H-D 1.6 machined contacts
Page 83

Benefits

- The H-DD series with machined contacts is designed for a high number of pins in very tight spaces. This allows for smaller housing types to be chosen.

Application range

- Mechanical engineering
- Light & sound technology
- Plastics industry

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 250 V
UL: 600 V
CSA: 600 V

Rated impulse voltage
2.5 kV

Rated current (A)
IEC: 10 A
UL: 8.5 A
CSA: 10 A

Degree of soiling
2

Contact resistance
< 3 mOhm

Contacts
Copper alloy, hard silver/gold-plated

Number of contacts
EPIC® H-DD 144
72 + PE
EPIC® H-DD 216
108 + PE

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

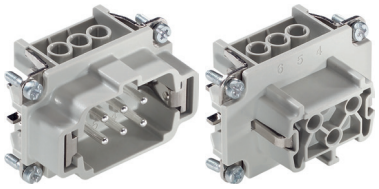
Temperature range
-40°C to +100°C,
short-term up to +125°C

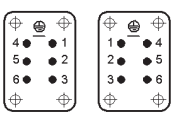
Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-DD 144 crimp termination					
11285400	H-DD 72 SCM	male	machined	73 - 144	5
11286400	H-DD 72 BCM	female	machined	73 - 144	5
H-DD 216 crimp termination					
11285500	H-DD 108 SCM	male	machined	109 - 216	5
11286500	H-DD 108 BCM	female	machined	109 - 216	5

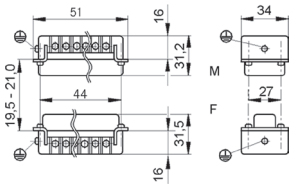
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-BE 6 Screw termination

The proven standard inserts for easy assembly





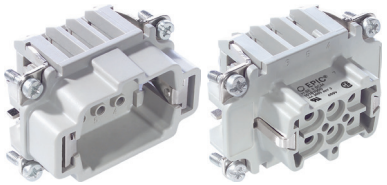


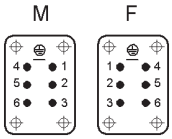
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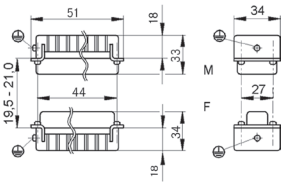
- Proven screw for easy installation
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Railway applications

EPIC® H-BE 6 Crimp termination

The proven standard inserts for easy assembly





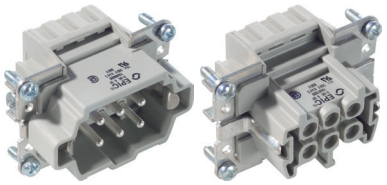


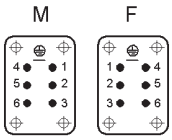
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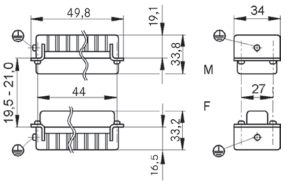
- For wire connection up to 4 mm²
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 6 Cage clamp

The proven standard inserts for easy assembly





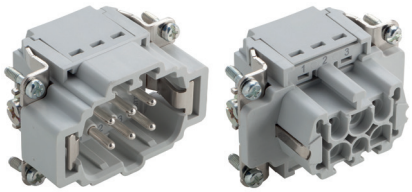


Info

- Vibration resistant and fast wire connection
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 6 Push-In termination

The proven standard inserts for easy assembly



Info

- Push-In version - fast and easy tool free connection technology
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Multifunctional insert for versatile appliactions

Suitable housing

- EPIC® ULTRA H-B 6
- EPIC® H-B 6 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

EPIC® H-BE 6 Crimpanschluss

- EPIC® H-BE 2.5 machined contacts Page 86

Benefits

EPIC® H-BE 6 Screw termination

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- UL tested for application in control cabinets according UL 508 / UL 2237

EPIC® H-BE 6 Crimp termination

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 6 Cage clamp

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 6 Push-In termination

- Insertion of cores with end sleeves in Push-In inserts gives mounting safety and time saving without any tools
- Easy dismantling and insertion of wires by pushing the orange button
- Test socket for standard 2mm test tip for easy testing of Push-In inserts
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

Application range

EPIC® H-BE 6 Screw termination
- Mechanical engineering
- Plastics industry
- Light & sound technology
- Railway applications / vehicle construction

EPIC® H-BE 6 Crimp termination
- Mechanical engineering
- Light & sound technology
- Plastics industry

EPIC® H-BE 6 Cage clamp
- Mechanical engineering
- Light & sound technology
- Plastics industry

EPIC® H-BE 6 Push-In termination
- Mechanical engineering
- Plastics industry
- Light & sound technology
- Railway applications / vehicle construction

Suitable tools

EPIC® H-BE 6 Schraubanschluss
- PEW 8.186 crimping pliers
  refer to main catalogue
- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set
  refer to main catalogue
- Recommended crimping tool when conductor end-sleeves are used:
  PEW 8.186

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V

Rated impulse voltage
6 kV

Rated current (A)
EPIC® H-BE 6 Screw termination
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 6 Crimp termination
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 6 Cage clamp
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 6 Push-In termination
IEC: 16 A
UL: 13 A
CSA: 13 A

Degree of soiling
3

Contact resistance
EPIC® H-BE 6 Screw termination
< 2 mOhm
EPIC® H-BE 6 Crimp termination
< 2 mOhm
EPIC® H-BE 6 Cage clamp
1.5 - 4 mohm
EPIC® H-BE 6 Push-In termination
< 2 mOhm

Contacts
EPIC® H-BE 6 Screw termination
Copper alloy, hard silver-plated
EPIC® H-BE 6 Crimp termination
Copper alloy, hard silver/gold-plated
EPIC® H-BE 6 Cage clamp
Copper alloy, hard silver-plated
EPIC® H-BE 6 Push-In termination
Copper alloy, hard silver-plated

Number of contacts
6 + PE

Termination methods
EPIC® H-BE 6 Screw termination
Screw termination: 0.5 - 2.5 mm²
EPIC® H-BE 6 Crimp termination
Crimp termination: 0.5 - 4.0 mm²
EPIC® H-BE 6 Cage clamp
Cage clamp termination: 0.5 - 2.5 mm²
EPIC® H-BE 6 Push-In termination
Push-In termination: 0.14 - 2.5mm²

Stripping length (mm)
EPIC® H-BE 6 Screw termination
8
EPIC® H-BE 6 Cage clamp
7
EPIC® H-BE 6 Push-In termination
10

Cycle of mechanical operation
100

Certifications
EPIC® H-BE 6 Screw termination
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770 and E483837
EPIC® H-BE 6 Crimp termination
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770
EPIC® H-BE 6 Cage clamp
UL-tested:
UL File Number: E75770
EPIC® H-BE 6 Push-In termination
UL-tested:
UL File Number: E75770

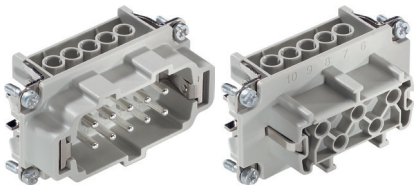
Temperature range
-40°C to +100°C,
short-term up to +125°C

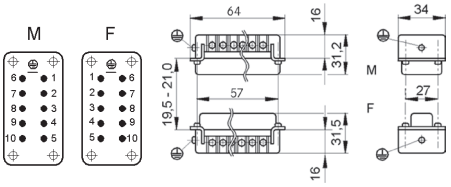
Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BE 6 screw termination					
10190000	EPIC® H-BE 6 SS	male	yes	1 - 6	10
10191000	EPIC® H-BE 6 BS	female	yes	1 - 6	10
10190100	EPIC® H-BE 6 SS	male		1 - 6	10
10191100	EPIC® H-BE 6 BS	female		1 - 6	10
H-BE 6 crimp termination					
10180000	EPIC® H-BE 6 SCM	male		1 - 6	10
10181000	EPIC® H-BE 6 BCM	female		1 - 6	10
H-BE 6 cage clamp termination					
10400000	EPIC® H-BE 6 SF	male	yes	1 - 6	10
10401000	EPIC® H-BE 6 BF	female	yes	1 - 6	10
H-BE 6 Push-In termination					
44423200	EPIC® H-BE 6 SP	male	yes	1 - 6	10
44423201	EPIC® H-BE 6 BP	female	yes	1 - 6	10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-BE 10 Screw termination

The proven standard inserts for easy assembly



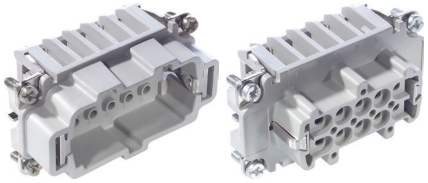


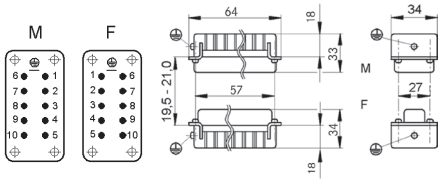
Info

- Proven screw for easy installation
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Railway applications

EPIC® H-BE 10 Crimp termination

The proven standard inserts for easy assembly



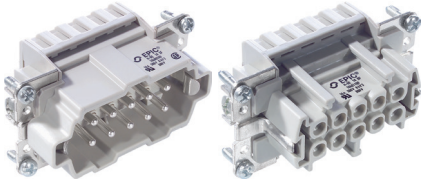


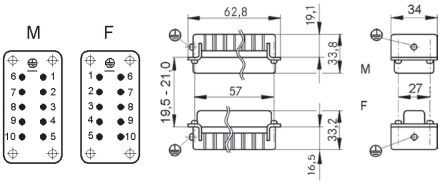
Info

- For wire connection up to 4 mm²
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 10 Cage clamp

The proven standard inserts for easy assembly



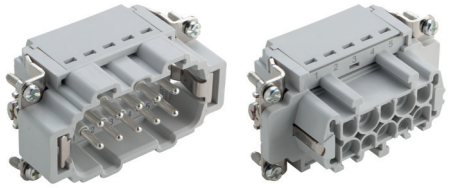


Info

- Multifunctional insert for versatile appliactions
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 10 Push-In termination

The proven standard inserts for easy assembly



Info

- Push-In version - fast and easy tool free connection technology
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Multifunctional insert for versatile appliactions

Suitable housing

- EPIC® ULTRA H-B 10
- EPIC® H-B 10 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

EPIC® H-BE 10 Crimpanschluss

- EPIC® H-BE 2.5 machined contacts Page 86

Benefits

EPIC® H-BE 10 Screw termination

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- UL tested for application in control cabinets according UL 508 / UL 2237

EPIC® H-BE 10 Crimp termination

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 10 Cage clamp

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 10 Push-In termination

- Insertion of cores with end sleeves in Push-In inserts gives mounting safety and time saving without any tools
- Easy dismantling and insertion of wires by pushing the orange button
- Test socket for standard 2mm test tip for easy testing of Push-In inserts
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

Application range

EPIC® H-BE 10 Screw termination
- Mechanical engineering
- Plastics industry
- Light & sound technology
- Railway applications / vehicle construction

EPIC® H-BE 10 Crimp termination
- Mechanical engineering
- Light & sound technology
- Plastics industry

EPIC® H-BE 10 Cage clamp
- Mechanical engineering
- Light & sound technology
- Plastics industry

EPIC® H-BE 10 Push-In termination
- Mechanical engineering
- Plastics industry
- Light & sound technology
- Railway applications / vehicle construction

Suitable tools

EPIC® H-BE 10 Schraubanschluss
- PEW 8.186 crimping pliers
  refer to main catalogue
- Kraftform® adjustable torque screwdriver/
  Kraftform Kompakt® Set
  refer to main catalogue
- Recommended crimping tool when
  conductor end-sleeves are used:
  PEW 8.186

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V

Rated impulse voltage
6 kV

Rated current (A)
EPIC® H-BE 10 Screw termination
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 10 Crimp termination
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 10 Cage clamp
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 10 Push-In termination
IEC: 16 A
UL: 13 A
CSA: 13 A

Degree of soiling
3

Contact resistance
EPIC® H-BE 10 Screw termination
< 2 mOhm
EPIC® H-BE 10 Crimp termination
< 2 mOhm
EPIC® H-BE 10 Cage clamp
1.5 - 4 mohm
EPIC® H-BE 10 Push-In termination
< 2 mOhm

Contacts
EPIC® H-BE 10 Screw termination
Copper alloy, hard silver-plated
EPIC® H-BE 10 Crimp termination
Copper alloy, hard silver/gold-plated
EPIC® H-BE 10 Cage clamp
Copper alloy, hard silver-plated
EPIC® H-BE 10 Push-In termination
Copper alloy, hard silver-plated

Number of contacts
10 + PE

Termination methods
EPIC® H-BE 10 Screw termination
Screw termination: 0.5 - 2.5 mm²
EPIC® H-BE 10 Crimp termination
Crimp termination: 0.5 - 4.0 mm²
EPIC® H-BE 10 Cage clamp
Cage clamp termination: 0.5 - 2.5 mm²
EPIC® H-BE 10 Push-In termination
Push-In termination: 0.14 - 2.5mm²

Stripping length (mm)
EPIC® H-BE 10 Screw termination
8
EPIC® H-BE 10 Cage clamp
7
EPIC® H-BE 10 Push-In termination
10

Cycle of mechanical operation
100

Certifications
EPIC® H-BE 10 Screw termination
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770 and E483837
EPIC® H-BE 10 Crimp termination
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770
EPIC® H-BE 10 Cage clamp
UL-tested:
UL File Number: E75770
EPIC® H-BE 10 Push-In termination
UL-tested:
UL File Number: E75770

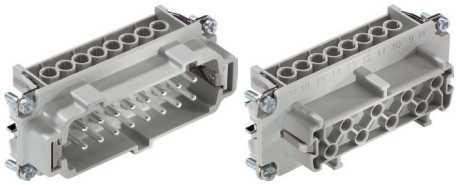
Temperature range
-40°C to +100°C,
short-term up to +125°C

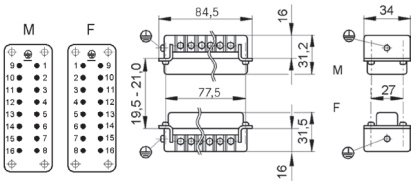
Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BE 10 screw termination					
10192000	EPIC® H-BE 10 SS	male	yes	1 - 10	10
10193000	EPIC® H-BE 10 BS	female	yes	1 - 10	10
10192100	EPIC® H-BE 10 SS	male		1 - 10	10
10193100	EPIC® H-BE 10 BS	female		1 - 10	10
H-BE 10 crimp termination					
10182000	EPIC® H-BE 10 SCM	male		1 - 10	10
10183000	EPIC® H-BE 10 BCM	female		1 - 10	10
H-BE 10 cage clamp termination					
10400100	EPIC® H-BE 10 SF	male	yes	1 - 10	10
10401100	EPIC® H-BE 10 BF	female	yes	1 - 10	10
H-BE 10 Push-In termination					
44423202	EPIC® H-BE 10 SP	male	yes	1 - 10	10
44423203	EPIC® H-BE 10 BP	female	yes	1 - 10	10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-BE 16 Screw termination

The proven standard inserts for easy assembly



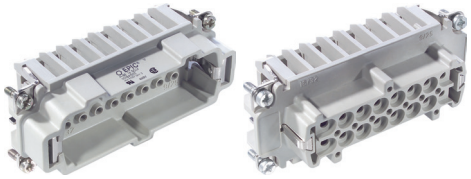


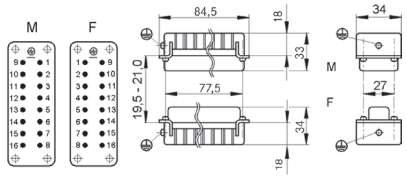
Info

- Proven screw for easy installation
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 32 available

EPIC® H-BE 16 Crimp termination

The proven standard inserts for easy assembly



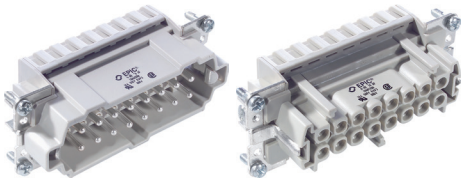


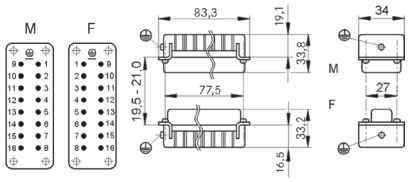
Info

- For wire connection up to 4 mm²
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 32 available

EPIC® H-BE 16 Cage clamp

The proven standard inserts for easy assembly



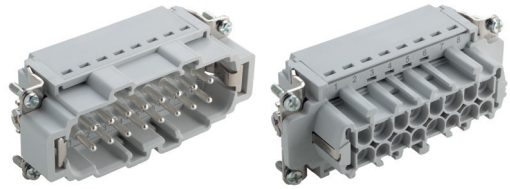


Info

- Multifunctional insert for versatile appliactions
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 32 available

EPIC® H-BE 16 Push-In termination

The proven standard inserts for easy assembly



Info

- Push-In version - fast and easy tool free connection technology
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Multifunctional insert for versatile appliactions

Suitable housing

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

EPIC® H-BE 16 Crimpanschluss

- EPIC® H-BE 2.5 machined contacts Page 86

Benefits

EPIC® H-BE 16 Screw termination

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- UL tested for application in control cabinets according UL 508 / UL 2237

EPIC® H-BE 16 Crimp termination

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 16 Cage clamp

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 16 Push-In termination

- Insertion of cores with end sleeves in Push-In inserts gives mounting safety and time saving without any tools
- Easy dismantling and insertion of wires by pushing the orange button
- Test socket for standard 2mm test tip for easy testing of Push-In inserts
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

Application range

EPIC® H-BE 16 Screw termination
- Mechanical engineering
- Plastics industry
- Light & sound technology
- Railway applications / vehicle construction

EPIC® H-BE 16 Crimp termination
- Mechanical engineering
- Light & sound technology
- Plastics industry

EPIC® H-BE 16 Cage clamp
- Mechanical engineering
- Light & sound technology
- Plastics industry

EPIC® H-BE 16 Push-In termination
- Mechanical engineering
- Plastics industry
- Light & sound technology
- Railway applications / vehicle construction

Suitable tools

EPIC® H-BE 16 Schraubanschluss
- PEW 8.186 crimping pliers
  refer to main catalogue
- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set
  refer to main catalogue
- Recommended crimping tool when conductor end-sleeves are used:
  PEW 8.186

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V

Rated impulse voltage
6 kV

Rated current (A)
EPIC® H-BE 16 Screw termination
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 16 Crimp termination
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 16 Cage clamp
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 16 Push-In termination
IEC: 16 A
UL: 13 A
CSA: 13 A

Degree of soiling
3

Contact resistance
EPIC® H-BE 16 Screw termination
< 2 mOhm
EPIC® H-BE 16 Crimp termination
< 2 mOhm
EPIC® H-BE 16 Cage clamp
1.5 - 4 mohm
EPIC® H-BE 16 Push-In termination
< 2 mOhm

Contacts
EPIC® H-BE 16 Screw termination
Copper alloy, hard silver-plated
EPIC® H-BE 16 Crimp termination
Copper alloy, hard silver/gold-plated
EPIC® H-BE 16 Cage clamp
Copper alloy, hard silver-plated
EPIC® H-BE 16 Push-In termination
Copper alloy, hard silver-plated

Number of contacts
16 + PE

Termination methods
EPIC® H-BE 16 Screw termination
Screw termination: 0.5 - 2.5 mm²
EPIC® H-BE 16 Crimp termination
Crimp termination: 0.5 - 4.0 mm²
EPIC® H-BE 16 Cage clamp
Cage clamp termination: 0.5 - 2.5 mm²
EPIC® H-BE 16 Push-In termination
Push-In termination: 0.14 - 2.5mm²

Stripping length (mm)
EPIC® H-BE 16 Screw termination
8
EPIC® H-BE 16 Cage clamp
7
EPIC® H-BE 16 Push-In termination
10

Cycle of mechanical operation
100

Certifications
EPIC® H-BE 16 Screw termination
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770 and E483837
EPIC® H-BE 16 Crimp termination
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770
EPIC® H-BE 16 Cage clamp
UL-tested:
UL File Number: E75770
EPIC® H-BE 16 Push-In termination
UL-tested:
UL File Number: E75770

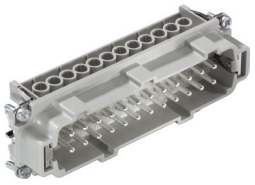
Temperature range
-40°C to +100°C,
short-term up to +125°C

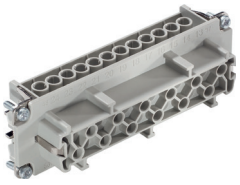
Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BE 16 screw termination					
10194000	EPIC® H-BE 16 SS	male	yes	1 -16	5
10195000	EPIC® H-BE 16 BS	female	yes	1 -16	5
10194100	EPIC® H-BE 16 SS	male		1 -16	5
10195100	EPIC® H-BE 16 BS	female		1 -16	5
H-BE 16 crimp termination					
10184000	EPIC® H-BE 16 SCM	male		1 -16	5
10185000	EPIC® H-BE 16 BCM	female		1 -16	5
H-BE 16 cage clamp termination					
10400200	EPIC® H-BE 16 SF	male	yes	1 -16	5
10401200	EPIC® H-BE 16 BF	female	yes	1 -16	5
H-BE 16 Push-In termination					
44423204	EPIC® H-BE 16 SP	male	yes	1 - 16	5
44423205	EPIC® H-BE 16 BP	female	yes	1 - 16	5

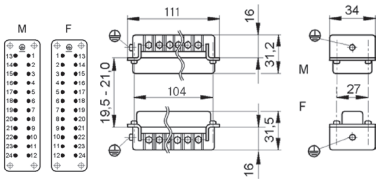
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-BE 24 Screw termination

The proven standard inserts for easy assembly







Info

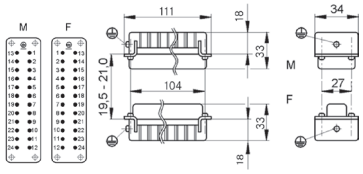
- Proven screw for easy installation
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 48 available

EPIC® H-BE 24 Crimp termination

The proven standard inserts for easy assembly





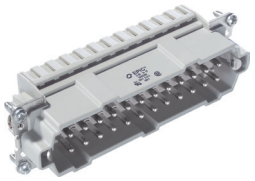


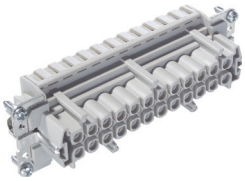
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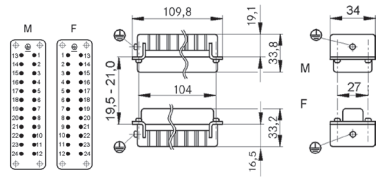
- For wire connection up to 4 mm²
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 48 available

EPIC® H-BE 24 Cage clamp

The proven standard inserts for easy assembly





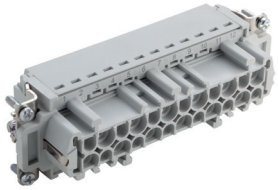


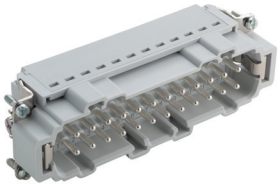
Info

- Multifunctional insert for versatile appliactions
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 48 available

EPIC® H-BE 24 Push-In termination

The proven standard inserts for easy assembly





Info

- Push-In version - fast and easy tool free connection technology
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Multifunctional insert for versatile appliactions

Suitable housing

- EPIC® ULTRA H-B 24
- EPIC® H-B 24 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

EPIC® H-BE 24 Crimpanschluss

- EPIC® H-BE 2.5 machined contacts Page 86

Benefits

EPIC® H-BE 24 Screw termination

- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents
- UL tested for application in control cabinets according UL 508 / UL 2237

EPIC® H-BE 24 Crimp termination

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 24 Cage clamp

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 24 Push-In termination

- Insertion of cores with end sleeves in Push-In inserts gives mounting safety and time saving without any tools
- Easy dismantling and insertion of wires by pushing the orange button
- Test socket for standard 2mm test tip for easy testing of Push-In inserts
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

Application range

EPIC® H-BE 24 Screw termination
- Mechanical engineering
- Plastics industry
- Light & sound technology
- Railway applications / vehicle construction

EPIC® H-BE 24 Crimp termination
- Mechanical engineering
- Light & sound technology
- Plastics industry

EPIC® H-BE 24 Cage clamp
- Mechanical engineering
- Light & sound technology
- Plastics industry

EPIC® H-BE 24 Push-In termination
- Mechanical engineering
- Plastics industry
- Light & sound technology
- Railway applications / vehicle construction

Suitable tools

EPIC® H-BE 24 Schraubanschluss
- PEW 8.186 crimping pliers
  refer to main catalogue
- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set
  refer to main catalogue
- Recommended crimping tool when conductor end-sleeves are used:
  PEW 8.186

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V

Rated impulse voltage
6 kV

Rated current (A)
EPIC® H-BE 24 Screw termination
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 24 Crimp termination
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 24 Cage clamp
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 24 Push-In termination
IEC: 16 A
UL: 13 A
CSA: 13 A

Degree of soiling
3

Contact resistance
EPIC® H-BE 24 Screw termination
< 2 mOhm
EPIC® H-BE 24 Crimp termination
< 2 mOhm
EPIC® H-BE 24 Cage clamp
1.5 - 4 mohm
EPIC® H-BE 24 Push-In termination
< 2 mOhm

Contacts
EPIC® H-BE 24 Screw termination
Copper alloy, hard silver-plated
EPIC® H-BE 24 Crimp termination
Copper alloy, hard silver/gold-plated
EPIC® H-BE 24 Cage clamp
Copper alloy, hard silver-plated
EPIC® H-BE 24 Push-In termination
Copper alloy, hard silver-plated

Number of contacts
24 + PE

Termination methods
EPIC® H-BE 24 Screw termination
Screw termination: 0.5 - 2.5 mm²
EPIC® H-BE 24 Crimp termination
Crimp termination: 0.5 - 4.0 mm²
EPIC® H-BE 24 Cage clamp
Cage clamp termination: 0.5 - 2.5 mm²
EPIC® H-BE 24 Push-In termination
Push-In termination: 0.14 - 2.5mm²

Stripping length (mm)
EPIC® H-BE 24 Screw termination
8
EPIC® H-BE 24 Cage clamp
7
EPIC® H-BE 24 Push-In termination
10

Cycle of mechanical operation
100

Certifications
EPIC® H-BE 24 Screw termination
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770 and E483837
EPIC® H-BE 24 Crimp termination
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770
EPIC® H-BE 24 Cage clamp
UL-tested:
UL File Number: E75770
EPIC® H-BE 24 Push-In termination
UL-tested:
UL File Number: E75770

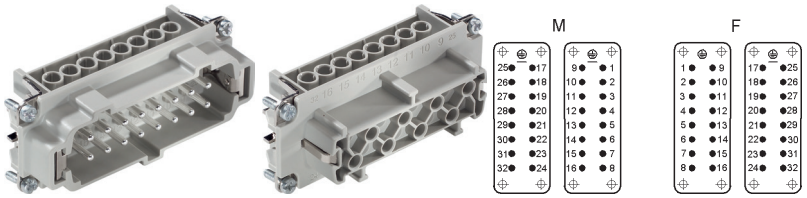
Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BE 24 screw termination					
10196000	EPIC® H-BE 24 SS	male	yes	1 - 24	5
10197000	EPIC® H-BE 24 BS	female	yes	1 - 24	5
10196100	EPIC® H-BE 24 SS	male		1 - 24	5
10197100	EPIC® H-BE 24 BS	female		1 - 24	5
H-BE 24 crimp termination					
10186000	EPIC® H-BE 24 SCM	male		1 - 24	5
10187000	EPIC® H-BE 24 BCM	female		1 - 24	5
H-BE 24 cage clamp termination					
10400300	EPIC® H-BE 24 SF	male	yes	1 - 24	5
10401300	EPIC® H-BE 24 BF	female	yes	1 - 24	5
H-BE 24 Push-In termination					
44423206	EPIC® H-BE 24 SP	male	yes	1 - 24	5
44423207	EPIC® H-BE 24 BP	female	yes	1 - 24	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-BE 32 Screw termination

The proven standard inserts for easy assembly

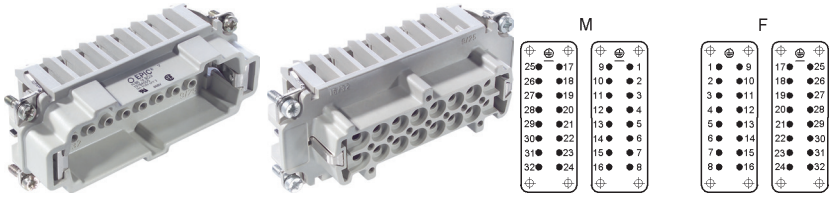


Info

- Proven screw for easy installation
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 32 Crimp termination

The proven standard inserts for easy assembly

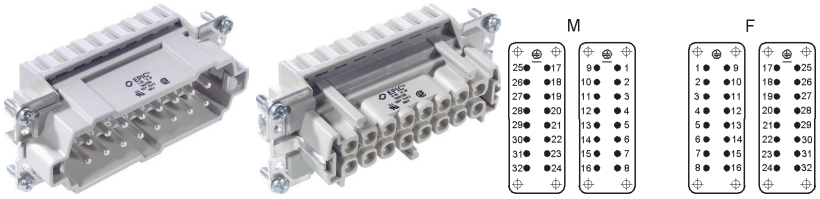


Info

- For wire connection up to 4 mm²
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 32 Cage clamp

The proven standard inserts for easy assembly

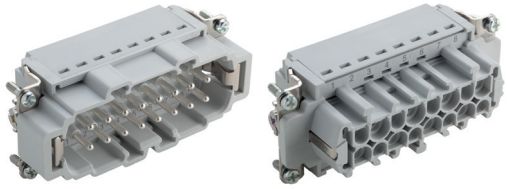


Info

- Multifunctional insert for versatile appliactions
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 32 Push-In termination

The proven standard inserts for easy assembly



Info

- Push-In version - fast and easy tool free connection technology
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Multifunctional insert for versatile appliactions

Suitable housing

- EPIC® H-B 32 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

EPIC® H-BE 32 Crimpanschluss

- EPIC® H-BE 2.5 machined contacts
  Page 86

Benefits

EPIC® H-BE 32 Screw termination

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

EPIC® H-BE 32 Crimp termination

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 32 Cage clamp

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 32 Push-In termination

- Insertion of cores with end sleeves in Push-In inserts gives mounting safety and time saving without any tools
- Easy dismantling and insertion of wires by pushing the orange button
- Test socket for standard 2mm test tip for easy testing of Push-In inserts
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

Application range

EPIC® H-BE 32 Screw termination
- Mechanical engineering
- Plastics industry
- Light & sound technology
- Railway applications / vehicle construction

EPIC® H-BE 32 Crimp termination
- Mechanical engineering
- Plastics industry
- Light & sound technology

EPIC® H-BE 32 Cage clamp
- Mechanical engineering
- Plastics industry
- Light & sound technology

EPIC® H-BE 32 Push-In termination
- Mechanical engineering
- Plastics industry
- Light & sound technology
- Railway applications / vehicle construction

Suitable tools

EPIC® H-BE 32 Schraubanschluss
- PEW 8.186 crimping pliers
  refer to main catalogue
- Kraftform® adjustable torque screwdriver/
  Kraftform Kompakt® Set
  refer to main catalogue
- Recommended crimping tool when
  conductor end-sleeves are used:
  PEW 8.186

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V

Rated impulse voltage
6 kV

Rated current (A)
EPIC® H-BE 32 Screw termination
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 32 Crimp termination
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 32 Cage clamp
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 32 Push-In termination
IEC: 16 A
UL: 13 A
CSA: 13 A

Degree of soiling
3

Contact resistance
EPIC® H-BE 32 Screw termination
< 2 mOhm
EPIC® H-BE 32 Crimp termination
< 2 mOhm
EPIC® H-BE 32 Cage clamp
1.5 - 4 mohm
EPIC® H-BE 32 Push-In termination
< 2 mOhm

Contacts
EPIC® H-BE 32 Screw termination
Copper alloy, hard silver-plated
EPIC® H-BE 32 Crimp termination
Copper alloy, hard silver/gold-plated
EPIC® H-BE 32 Cage clamp
Copper alloy, hard silver-plated
EPIC® H-BE 32 Push-In termination
Copper alloy, hard silver-plated

Number of contacts
EPIC® H-BE 32 Screw termination
32 + PE
EPIC® H-BE 32 Crimp termination
16 + PE
EPIC® H-BE 32 Cage clamp
16 + PE
EPIC® H-BE 32 Push-In termination
32 + PE

Termination methods
EPIC® H-BE 32 Screw termination
Screw termination: 0.5 - 2.5 mm²
EPIC® H-BE 32 Crimp termination
Crimp termination: 0.5 - 4.0 mm²
EPIC® H-BE 32 Cage clamp
Cage clamp termination: 0.5 - 2.5 mm²
EPIC® H-BE 32 Push-In termination
Push-In termination: 0.14 - 2.5mm²

Stripping length (mm)
EPIC® H-BE 32 Screw termination
8
EPIC® H-BE 32 Cage clamp
7
EPIC® H-BE 32 Push-In termination
10

Cycle of mechanical operation
100

Certifications
EPIC® H-BE 32 Screw termination
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770 and E483837
EPIC® H-BE 32 Crimp termination
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770
EPIC® H-BE 32 Cage clamp
UL-tested:
UL File Number: E75770
EPIC® H-BE 32 Push-In termination
UL-tested:
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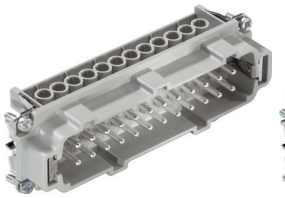
Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

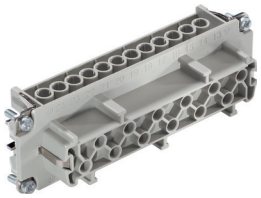
Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BE 32 screw termination					
10202000	EPIC® H-BE 16 SS 17-32	male	yes	17 - 32	5
10203000	EPIC® H-BE 16 BS 17-32	female	yes	17 - 32	5
10202100	EPIC® H-BE 16 SS 17-32	male		17 - 32	5
10203100	EPIC® H-BE 16 BS 17-32	female		17 - 32	5
H-BE 32 crimp termination					
10184200	EPIC® H-BE 16 SCM 17-32	male		17 - 32	5
10185200	EPIC® H-BE 16 BCM 17-32	female		17 - 32	5
H-BE 32 cage clamp termination					
10400400	EPIC® H-BE 16 SF 17-32	male	yes	17 - 32	5
10401400	EPIC® H-BE 16 BF 17-32	female	yes	17 - 32	5
H-BE 32 Push-In termination					
44423208	EPIC® H-BE 16 SP 17-32	male	yes	17 - 32	5
44423209	EPIC® H-BE 16 BP 17-32	female	yes	17 - 32	5

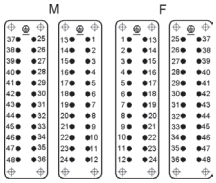
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-BE 48 Screw termination

The proven standard inserts for easy assembly







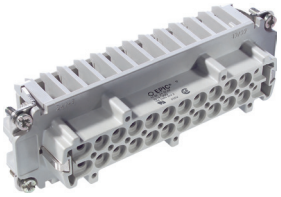
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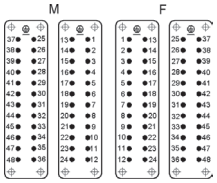
- Proven screw for easy installation
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 48 Crimp termination

The proven standard inserts for easy assembly





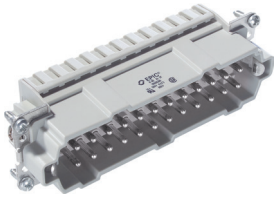


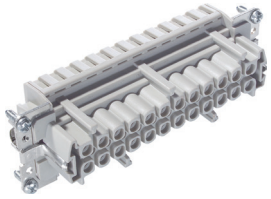
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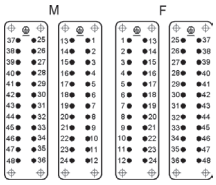
- For wire connection up to 4 mm²
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 48 Cage clamp

The proven standard inserts for easy assembly





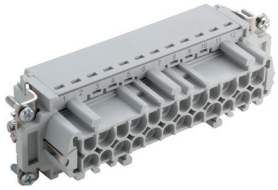


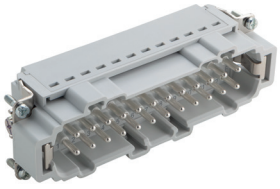
Info

- Multifunctional insert for versatile appliactions
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 48 Push-In termination

The proven standard inserts for easy assembly





Info

- Push-In version - fast and easy tool free connection technology
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Multifunctional insert for versatile appliactions

Suitable housing

- EPIC® H-B 48 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

EPIC® H-BE 48 Crimpanschluss

- EPIC® H-BE 2.5 machined contacts
  Page 86

Benefits

EPIC® H-BE 48 Screw termination

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

EPIC® H-BE 48 Crimp termination

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 48 Cage clamp

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 48 Push-In termination

- Insertion of cores with end sleeves in Push-In inserts gives mounting safety and time saving without any tools
- Easy dismantling and insertion of wires by pushing the orange button
- Test socket for standard 2mm test tip for easy testing of Push-In inserts
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

Application range

EPIC® H-BE 48 Screw termination
- Mechanical engineering
- Plastics industry
- Light & sound technology
- Railway applications / vehicle construction

EPIC® H-BE 48 Crimp termination
- Mechanical engineering
- Light & sound technology
- Plastics industry

EPIC® H-BE 48 Cage clamp
- Mechanical engineering
- Light & sound technology
- Plastics industry

EPIC® H-BE 48 Push-In termination
- Mechanical engineering
- Plastics industry
- Light & sound technology
- Railway applications / vehicle construction

Suitable tools

EPIC® H-BE 48 Schraubanschluss
- PEW 8.186 crimping pliers
  refer to main catalogue
- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set
  refer to main catalogue
- Recommended crimping tool when conductor end-sleeves are used:
  PEW 8.186

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V

Rated impulse voltage
6 kV

Rated current (A)
EPIC® H-BE 48 Screw termination
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 48 Crimp termination
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 48 Cage clamp
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 48 Push-In termination
IEC: 16 A
UL: 13 A
CSA: 13 A

Degree of soiling
3

Contact resistance
EPIC® H-BE 48 Screw termination
< 2 mOhm
EPIC® H-BE 48 Crimp termination
< 2 mOhm
EPIC® H-BE 48 Cage clamp
1.5 - 4 mohm
EPIC® H-BE 48 Push-In termination
< 2 mOhm

Contacts
EPIC® H-BE 48 Screw termination
Copper alloy, hard silver-plated
EPIC® H-BE 48 Crimp termination
Copper alloy, hard silver/gold-plated
EPIC® H-BE 48 Cage clamp
Copper alloy, hard silver-plated
EPIC® H-BE 48 Push-In termination
Copper alloy, hard silver-plated

Number of contacts
48 + PE

Termination methods
EPIC® H-BE 48 Screw termination
Screw termination: 0.5 - 2.5 mm²
EPIC® H-BE 48 Crimp termination
Crimp termination: 0.5 - 4.0 mm²
EPIC® H-BE 48 Cage clamp
Cage clamp termination: 0.5 - 2.5 mm²
EPIC® H-BE 48 Push-In termination
Push-In termination: 0.14 - 2.5mm²

Stripping length (mm)
EPIC® H-BE 48 Screw termination
8
EPIC® H-BE 48 Cage clamp
7
EPIC® H-BE 48 Push-In termination
10

Cycle of mechanical operation
100

Certifications
EPIC® H-BE 48 Screw termination
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770 and E483837
EPIC® H-BE 48 Crimp termination
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770
EPIC® H-BE 48 Cage clamp
UL-tested:
UL File Number: E75770
EPIC® H-BE 48 Push-In termination
UL-tested:
UL File Number: E75770

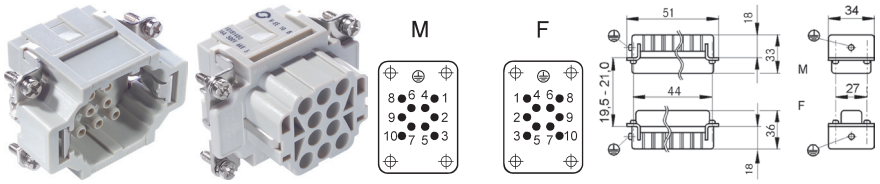
Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BE 48 screw termination					
10204000	EPIC® H-BE 24 SS 25-48	male	yes	25 - 48	5
10205000	EPIC® H-BE 24 BS 25-48	female	yes	25 - 48	5
10204100	EPIC® H-BE 24 SS 25-48	male		25 - 48	5
10205100	EPIC® H-BE 24 BS 25-48	female		25 - 48	5
H-BE 48 crimp termination					
10186200	EPIC® H-BE 24 SCM 25-48	male		25 - 48	5
10187200	EPIC® H-BE 24 BCM 25-48	female		25 - 48	5
H-BE 48 cage clamp termination					
10400500	EPIC® H-BE 24 SF 25-48	male	yes	25 - 48	5
10401500	EPIC® H-BE 24 BF 25-48	female	yes	25 - 48	5
H-BE 48 Push-In termination					
44423210	EPIC® H-BE 24 SP 25-48	male	yes	25 - 48	5
44423211	EPIC® H-BE 24 BP 25-48	female	yes	25 - 48	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-EE 10

H-EE inserts with high contact density based on the proven H-BE series.

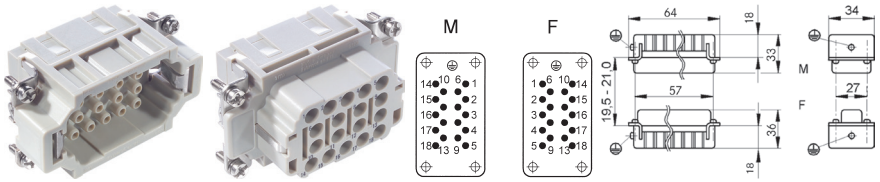


Info

- Inserts with high contact density for medium power

EPIC® H-EE 18

H-EE inserts with high contact density based on the proven H-BE series.



Info

- Inserts with high contact density for medium power

Suitable housing

EPIC® H-EE 10

- EPIC® ULTRA H-B 6
- EPIC® H-B 6 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

EPIC® H-EE 18

- EPIC® ULTRA H-B 10
- EPIC® H-B 10 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

- EPIC® H-BE 2.5 machined contacts Page 86

Benefits

- The H-EE inserts with machined contacts for a high number of pins in very tight spaces.
- For assembly in H-B housing

Application range

- Mechanical engineering
- Plant engineering
- Appliance and apparatus construction

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V

Rated impulse voltage
6 kV

Rated current (A)
IEC: 16 A
UL: 16 A
CSA: 16 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver/gold-plated

Number of contacts
EPIC® H-EE 10
10 + PE
EPIC® H-EE 18
18 + PE

Termination methods
Crimp termination: 0.5 - 4.0 mm²

Cycle of mechanical operation
100

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-EE 10 crimp termination					
10180400	H-EE 10 SC	male	machined	1 - 10	10
10181400	H-EE 10 BC	female	machined	1 - 10	10
H-EE 18 crimp termination					
10182400	H-EE 18 SC	male	machined	1 - 18	10
10183400	H-EE 18 BC	female	machined	1 - 18	10

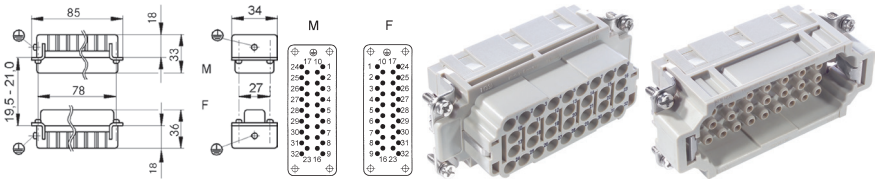
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-EE 32

H-EE inserts with high contact density based on the proven H-BE series.

Info

- Inserts with high contact density for medium power
- Also as EPIC® H-EE 64 available

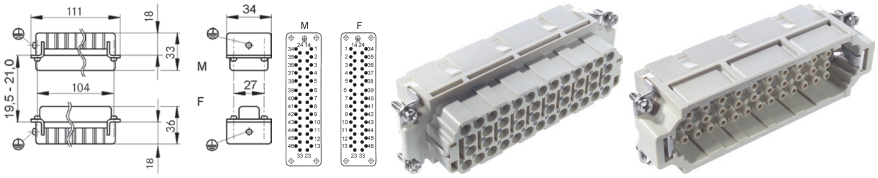


EPIC® H-EE 46

H-EE inserts with high contact density based on the proven H-BE series.

Info

- Inserts with high contact density for medium power
- Also as EPIC® H-EE 92 available



Suitable housing

EPIC® H-EE 32

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

EPIC® H-EE 46

- EPIC® ULTRA H-B 24
- EPIC® H-B 24 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

- EPIC® H-BE 2.5 machined contacts Page 86

Similar products

- Further products with higher numbering in the internet. (H-EE 64, H-EE 92)

Benefits

- The H-EE inserts with machined contacts for a high number of pins in very tight spaces.
- For assembly in H-B housing

Application range

- Mechanical engineering
- Plant engineering
- Appliance and apparatus construction

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V

Rated impulse voltage
6 kV

Rated current (A)
IEC: 16 A
UL: 16 A
CSA: 16 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver/gold-plated

Number of contacts
EPIC® H-EE 32
32 + PE
EPIC® H-EE 46
46 + PE

Termination methods
Crimp termination: 0.5 - 4.0 mm²

Cycle of mechanical operation
100

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-EE 32 crimp termination					
10184400	H-EE 32 SC	male	machined	1 - 32	5
10185400	H-EE 32 BC	female	machined	1 - 32	5
H-EE 46 crimp termination					
10186400	H-EE 46 SC	male	machined	1 - 46	5
10187400	H-EE 46 BC	female	machined	1 - 46	5

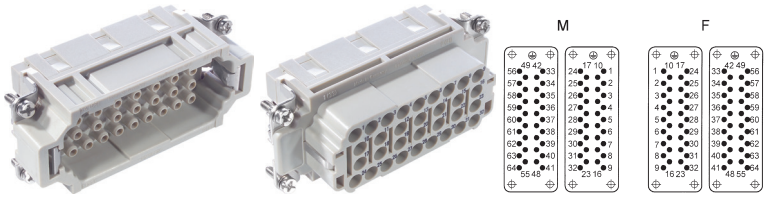
Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- Further products with higher numbering in the internet. (H-EE 64, H-EE 92)

EPIC® H-EE 64

H-EE inserts with high contact density based on the proven H-BE series.

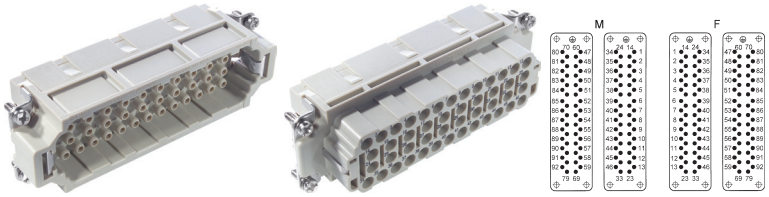


Info

- Inserts with high contact density for medium power

EPIC® H-EE 92

H-EE inserts with high contact density based on the proven H-BE series.



Info

- Inserts with high contact density for medium power

Suitable housing

EPIC® H-EE 64

- EPIC® H-B 32 Housings

EPIC® H-EE 92

- EPIC® H-B 48 Housings
- Refer to Selection Table A10 to select the required inserts and housings

Suitable contacts:

- EPIC® H-BE 2.5 machined contacts
  Page 86

Benefits

- The H-EE inserts with machined contacts for a high number of pins in very tight spaces.
- For assembly in H-B housing

Application range

- Mechanical engineering
- Plant engineering
- Appliance and apparatus construction

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V

Rated impulse voltage
6 kV

Rated current (A)
IEC: 16 A
UL: 16 A
CSA: 16 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver/gold-plated

Number of contacts
EPIC® H-EE 64
32 + PE
EPIC® H-EE 92
46 + PE

Termination methods
Crimp termination: 0.5 - 4.0 mm²

Cycle of mechanical operation
100

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	Contact type	Article designation	Number of operating contacts	Pieces / PU
H-EE 64 crimp termination					
10184500	H-EE 32 SC	male	machined	33 - 64	5
10185500	H-EE 32 BC	female	machined	33 - 64	5
H-EE 92 crimp termination					
10186500	H-EE 46 SC	male	machined	47 - 92	5
10187500	H-EE 46 BC	female	machined	47 - 92	5

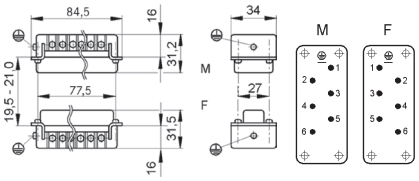
Photographs are not to scale and do not represent detailed images of the respective products.

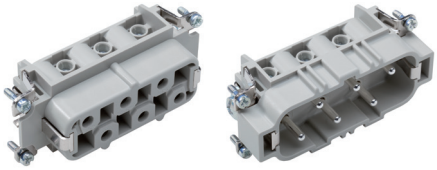
EPIC® H-BS 6

Inserts for high currents.

Info

- Standard insert for currents up to 35A
- Railway applications



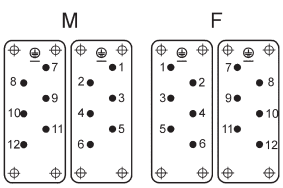


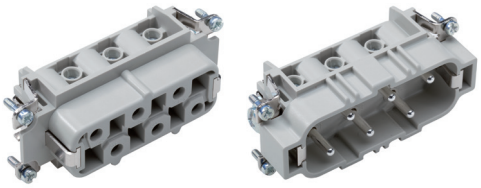
EPIC® H-BS 12

Inserts for high currents.

Info

- Standard insert for currents up to 35A
- Railway applications





Suitable housing

EPIC® H-BS 6

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

EPIC® H-BS 12

- EPIC® ULTRA H-B 32 Page
- Refer to Selection Table A10 to select the required inserts and housings

Benefits

EPIC® H-BS 6

- High rating for currents up to 35 A
- Screw termination up to a conductor cross section of 6 mm²
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

EPIC® H-BS 12

- High rating for currents up to 35 A
- Screw termination up to a conductor cross section of 6 mm²
- Two H-BS 6 inserts with different contact-numbering for one housing.

Application range

EPIC® H-BS 6

- Railway applications / vehicle construction
- Plant engineering
- Mechanical engineering
- Drive systems

EPIC® H-BS 12

- Plant engineering
- Mechanical engineering
- Drive systems

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V
Conductor - conductor: 690 V

Rated impulse voltage
6 kV

Rated current (A)
IEC: 35 A
UL: 35 A
CSA: 35 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver-plated

Number of contacts
EPIC® H-BS 6
6 + PE
EPIC® H-BS 12
12 + PE

Termination methods
Screw termination: 0.5 - 6 mm²

Stripping length (mm)
8

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Suitable tools

EPIC® H-BS 6

- PEW 8.186 crimping pliers refer to main catalogue
- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set refer to main catalogue

EPIC® H-BS 12

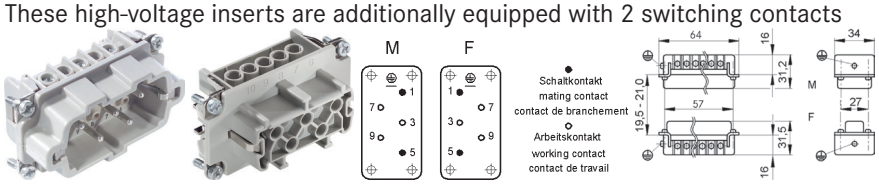
- PEW 8.186 crimping pliers refer to main catalogue

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BS 6 screw termination					
10170000	H-BS 6 SS	male	yes	1 - 6	5
10171000	H-BS 6 BS	female	yes	1 - 6	5
H-BS 12 screw termination					
10170600	H-BS 6 SS	male	yes	7 - 12	5
10171600	H-BS 6 BS	female	yes	7 - 12	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-BVE 3

These high-voltage inserts are additionally equipped with 2 switching contacts

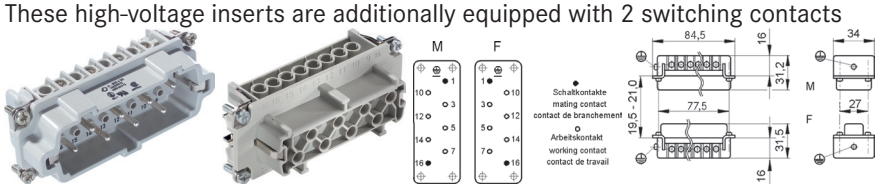


Info

- Multipole insert with lagging switch contacts
- Switching operations possible for disconnecting under load

EPIC® H-BVE 6

These high-voltage inserts are additionally equipped with 2 switching contacts

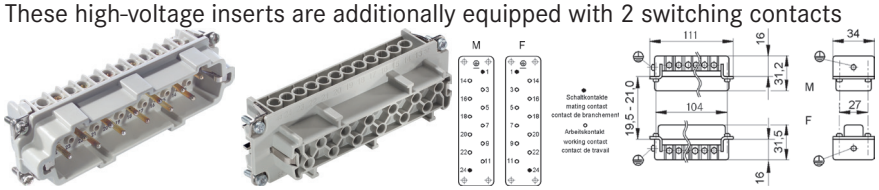


Info

- Multipole insert with lagging switch contacts
- Switching operations possible for disconnecting under load

EPIC® H-BVE 10

These high-voltage inserts are additionally equipped with 2 switching contacts



Info

- Multipole insert with lagging switch contacts
- Switching operations possible for disconnecting under load

Suitable housing

EPIC® H-BVE 3

- EPIC® ULTRA H-B 10
- EPIC® H-B 10 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

EPIC® H-BVE 6

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

EPIC® H-BVE 10

- EPIC® ULTRA H-B 24
- EPIC® H-B 24 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

Benefits

- These high-voltage inserts are additionally equipped with 2 switching contacts
- With the relevant wiring, the lagging switch contacts interrupt the power supply before the working contacts are separated

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 630 V
UL: 600 V
CSA: 600 V

Rated impulse voltage
6 kV

Rated current (A)
IEC: 16 A
UL: 16 A
CSA: 16 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver-plated

Number of contacts
EPIC® H-BVE 3
3 + 2 + PE
EPIC® H-BVE 6
6 + 2 + PE
EPIC® H-BVE 10
10 + 2 + PE

Termination methods
Screw termination: 0.5 - 2.5 mm²

Stripping length (mm)
8

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Application range

- Plant engineering
- Mechanical engineering

Suitable tools

- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set
  refer to main catalogue

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BVE 3 screw termination					
10210010	H-BVE 3 SS	male	yes	3 + 2	10
10211010	H-BVE 3 BS	female	yes	3 + 2	10
10210110	H-BVE 3 SS	male		3 + 2	10
10211110	H-BVE 3 BS	female		3 + 2	10
H-BVE 6 screw termination					
10239010	H-BVE 6 SS	male	yes	6 + 2	5
10240010	H-BVE 6 BS	female	yes	6 + 2	5
10239110	H-BVE 6 SS	male		6 + 2	5
10240110	H-BVE 6 BS	female		6 + 2	5
H-BVE 10 screw termination					
10270010	H-BVE 10 SS	male	yes	10 + 2	5
10271010	H-BVE 10 BS	female	yes	10 + 2	5
10270110	H-BVE 10 SS	male		10 + 2	5
10271110	H-BVE 10 BS	female		10 + 2	5

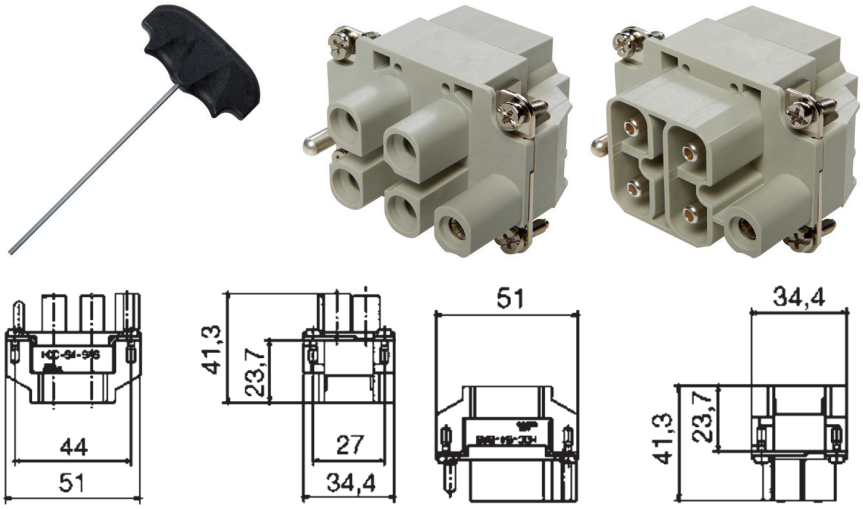
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Power H-S

Power inserts

Info

- Very high current transfer in a small space
- Axial screw termination for assembly without special tool



Suitable housing

- EPIC® ULTRA H-B 6
- EPIC® H-B 6 Housings

Benefits

- Fast and easy assembly
- Very high current transfer
- Lower space requirement
- Axial screw termination for assembly without special tool

Application range

- Mechanical engineering
- Plant engineering
- Renewable energy

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
1000

Rated impulse voltage
8 kV

Rated current (A)
65

Degree of soiling
3

Contact resistance
< 1 mOhm

Number of contacts
4 + PE

Termination methods
Axial screw termination
2,5 mm² - 10 mm²

Stripping length (mm)
8

Material
PC, polycarbonate

Cycle of mechanical operation
500

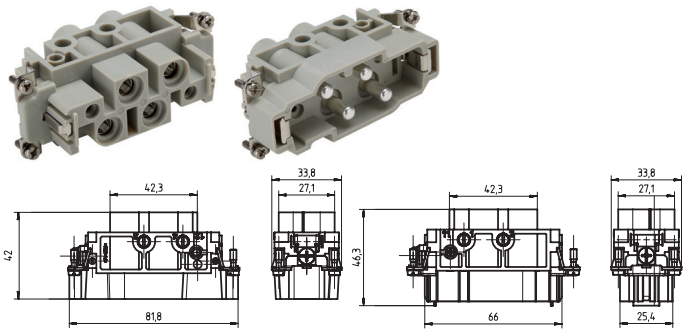
Temperature range
-40 °C ... +125 °C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
H-S Axial screw connection				
10407910	H-S 4+2xPE SAS	male	4 + PE	10
10407900	H-S 4+2xPE BAS	female	4 + PE	10
Tool for axial connection				
44424028	TOOL HEX 2x100	For tightening the contacts		1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Power K 4/0

Combination insert Power

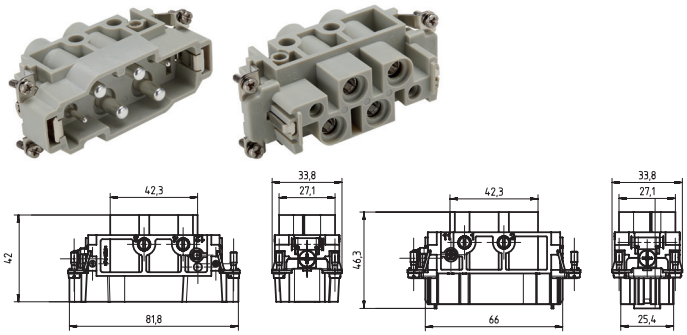


Info

- Combination insert Power

EPIC® Power K 4/2

Combination insert Power and Control



Info

- Combination insert Power and Control

Suitable housing

- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

Benefits

EPIC® Power K 4/0

- High power in one connector insert
- Best in combination with ÖLFLEX® SERVO

EPIC® Power K 4/2

- Power and control in one connector insert
- Best in combination with ÖLFLEX® SERVO

Application range

- Mechanical engineering
- Renewable energy
- Control engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
EPIC® Power K 4/0
830 V Power
EPIC® Power K 4/2
830 V Power
400 V Control

Rated impulse voltage
8 kV

Rated current (A)
EPIC® Power K 4/0
80 A Power
EPIC® Power K 4/2
80 A Power
16 A Control

Degree of soiling
3

Contact resistance
< 5 mOhm

Number of contacts
EPIC® Power K 4/0
4 + PE
EPIC® Power K 4/2
4 + 2 + PE

Termination methods
Screw termination: 1.5 - 16.0 mm²

Stripping length (mm)
16
6

Material
PC, polycarbonate

Cycle of mechanical operation
500

Temperature range
-40 °C ... +125 °C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
EPIC® 4/0 screw termination				
44424041	EPIC® K 4/0 SS	male	4 + PE	10
44424042	EPIC® K 4/0 BS	female	4 + PE	10
EPIC® K 4/2 screw termination				
44424043	EPIC® K 4/2 SS	male	4 + 2 + PE	10
44424044	EPIC® K 4/2 BS	female	4 + 2 + PE	10

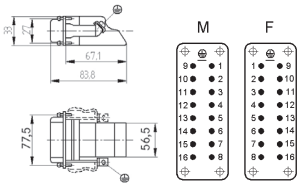
PE connection with a 16mm² wire only with the recommended ring lug 44424029
The inserts must be used with the appropriate housings
Photographs are not to scale and do not represent detailed images of the respective products.

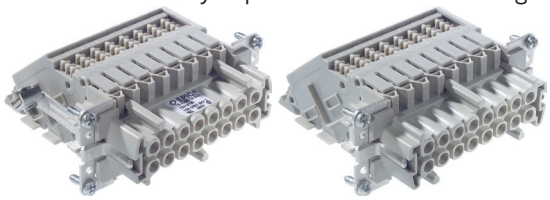
EPIC® TB-H-BE 16

For convenient, clear wiring in control cabinets.
Assembly in panel-mount base housings.

Info

- Plug connection for control cabinets



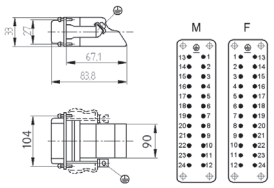


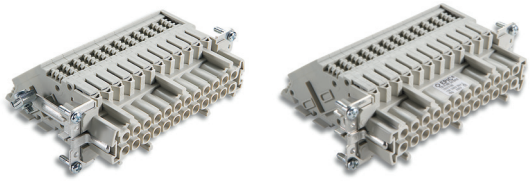
EPIC® TB-H-BE 24

For convenient, clear wiring in control cabinets.
Assembly in panel-mount base housings.

Info

- Plug connection for control cabinets





Suitable housing

EPIC® TB-H-BE 16

- EPIC® ULTRA H-B 16 AG QB Page 124
- EPIC® H-B 16 AG-LB Page 151
- EPIC® H-B 16 AD-LB Page 151
- EPIC® H-B 16 AG Page 151
- EPIC® H-B 16 AD-BO Page 147
- EPIC® H-B 16 AG-ZR

EPIC® TB-H-BE 24

- EPIC® ULTRA H-B 24 AG QB Page 124
- EPIC® H-B 24 AG-LB Page 151
- EPIC® H-B 24 AD-LB Page 151
- EPIC® H-B 24 AG Page 151
- EPIC® H-B 24 AD-BO Page 147
- EPIC® H-B 24 AG-ZR

Benefits

- Standard H-BE inserts for use with switch cabinets
- Pluggable with H-BE male inserts in hoods
- Fastening on side = “left” means that when mounting the terminal adapter on the left wall of a control cabinet, the PE connection and pin “1” are on the “top” side

Application range

- Control cabinet manufacturing
- Plant engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V

Rated impulse voltage
6 kV

Rated current (A)
IEC: 16 A
UL: 16 A
CSA: 16 A

Degree of soiling
3

Contacts
Copper alloy, hard silver-plated

Number of contacts
EPIC® TB-H-BE 16
16 + PE
EPIC® TB-H-BE 24
24 + PE

Termination methods
Screw termination: 0.5 - 4.0 mm²

Stripping length (mm)
13

Cycle of mechanical operation
200

VDE-tested
UL-tested:
UL File Number: E75770

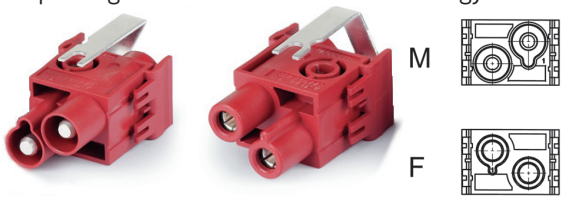
Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Fastening on side	Number of operating contacts	Pieces / PU
16-pin terminal adapter					
70315100	TB-H-BE 16 BRE	female	right	1 - 16	10
70314100	TB-H-BE 16 BLI	female	left	1 - 16	10
24-pin terminal adapter					
70317100	TB-H-BE 24 BRE	female	right	1 - 24	10
70316100	TB-H-BE 24 BLI	female	left	1 - 24	10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® MC Module: High Current 1+PE

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

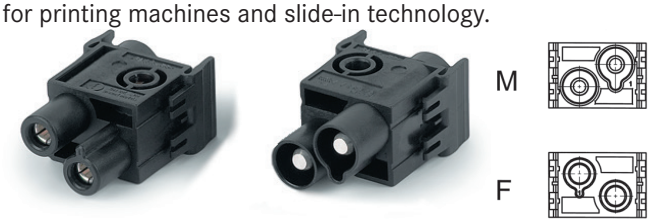


Info

- High power module with screw connection and reinforced protection earth
- Lever for rapid removal of the module

EPIC® MC Module: High Current 2pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- High power module 2pole with screw connection
- Lever for rapid removal of the module

Suitable housing

- EPIC® MCR Frames
- Higher housing
- The suitable connector housings depend on the modular frame used

Benefits

EPIC® MC Module: High Current 1+PE

- The mix of different functions in one plug guarantees high flexibility
- Screw connection up to 25mm² for easy assembly without speciall tools
- Separate protective conductor for increased safety

EPIC® MC Module: High Current 2pole

- The mix of different functions in one plug guarantees high flexibility
- Screw connection up to 25mm² for easy assembly without speciall tools

Application range

- Plant engineering
- Printing machines
- Control engineering

Suitable tools

EPIC® MC Modul: Hochstrom 1+PE

- Crimping tool for single contacts refer to main catalogue
- When connecting 25 mm² cables, please use the special crimping die (11147500) for the cable-end sleeves

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
IEC: 1000 V
UL: 600 V
CSA: 600 V

Rated current (A)
82 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver-plated

Number of contacts
EPIC® MC Module: High Current 1+PE
1 + PE
EPIC® MC Module: High Current 2pole
2

Termination methods
Screw termination: 10 - 25 mm²

Stripping length (mm)
15

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no. **A870**
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: high current 1-pin + PE					
10344600	MCS-HC 1+PE	male	1 + PE	2	5
10345600	MCB-HC 1+PE	female	1 + PE	2	5
Module: high current 2-pin					
10344100	MCS-HC 2	male	2	2	5
10345100	MCB-HC 2	female	2	2	5

Photographs are not to scale and do not represent detailed images of the respective products.

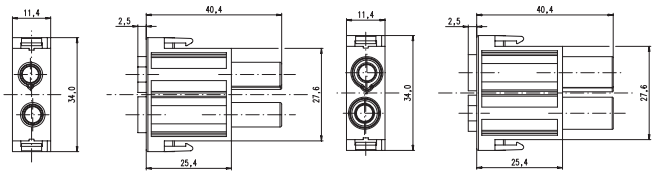
EPIC® Power Module HC2

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

Info

- High current with only one module slot





Suitable housing

- EPIC® MCR Frames
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® Modular 3.6 machined contacts 16 mm² Page 91
- Use only EPIC® MC 3.6 contacts 16mm²

Benefits

- High current transfer
- Only one slot needed in the frame
- The mix of different functions in one plug guarantees high flexibility
- Crimp connection for permanent vibration proof contact

Application range

- Plant engineering
- Robotics industry
- Control engineering
- Mechanical engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
1000 V

Rated impulse voltage
8 kV

Rated current (A)
65

Degree of soiling
3

Number of contacts
2

Termination methods
Crimp termination: 16.0 mm²

Material
PA6

Cycle of mechanical operation
500

Temperature range
-40 °C ... +125 °C

Article number	Article description	Contact type	Slots	Pieces / PU
EPIC® Power Module HC2				
44424012	EPIC® MCS HC2	male	1	10
44424013	EPIC® MCB HC2	female	1	10

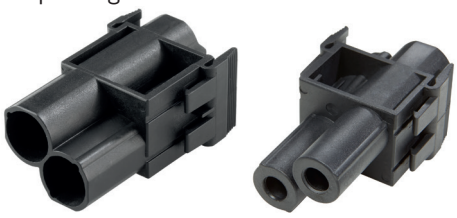
PE connection with a 16mm² wire only with the recommended ring lug 44424029
The inserts must be used with the appropriate housings
Photographs are not to scale and do not represent detailed images of the respective products.

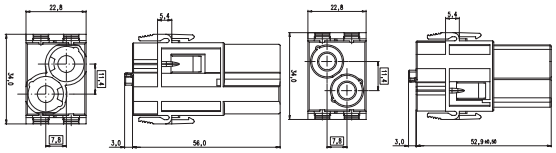
Accessories

- EPIC® MCR

Power Module HHC2

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.





Info

- High current for sufficient power reserves
- Lever for rapid removal of the module

Suitable housing

- EPIC® MCR Frames
- EPIC® H-B housing use in high version

Suitable contacts:

- Modular 6.0 machined contacts
  Page 92

Benefits

- Very high current transfer
- The mix of different functions in one plug guarantees high flexibility
- Crimp connection for permanent vibration proof contact

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
1000

Rated impulse voltage
8 kV

Rated current (A)
150

Degree of soiling
3

Number of contacts
2

Termination methods
Crimp termination: 16 mm² ... 35 mm²

Material
PA6

Cycle of mechanical operation
500

Temperature range
-40 °C ... +125 °C

Article number	Article description	Contact type	Slots	Pieces / PU
Power Module HHC2				
44424017	MCS HHC2	male	2	10
44424018	MCB HHC2	female	2	10

* Trade product, no Lapp product
Due to reduced cross sections at PE contacts of frames, the PE contact has to be additionally protected against short circuits by using a protection circuit offering a sufficiently short breaking time (<0.25s).
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® MCR Frames

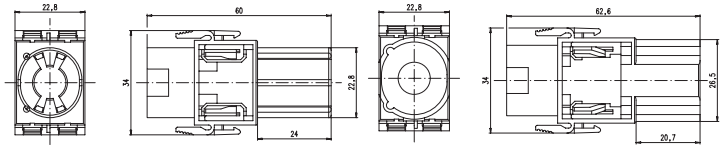
Power Module HHC1

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

Info

- Extremely high current for sufficient power reserves
- Lever for rapid removal of the module





Suitable housing

- EPIC® MCR Frames
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® Modular 10.0 machined contacts Page 92

Benefits

- Extremely high current transfer
- The mix of different functions in one plug guarantees high flexibility
- Crimp connection for permanent vibration proof contact

Application range

- Robotics industry
- Renewable energy
- Plant engineering
- Mechanical engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
1000

Rated impulse voltage
8 kV

Rated current (A)
220

Degree of soiling
3

Number of contacts
1

Termination methods
Crimp termination: 50 mm² ... 95mm²

Material
PA6

Cycle of mechanical operation
500

Temperature range
-40 °C ... +125 °C

Article number	Article description	Contact type	Slots	Pieces / PU
Power Module HHC1				
44424030	MCS HHC1	male	2	1
44424031	MCB HHC1	female	2	1

* Trade product, no Lapp product
Due to reduced cross sections at PE contacts of frames, the PE contact has to be additionally protected against short circuits by using a protection circuit offering a sufficiently short breaking time (<0.25s).
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

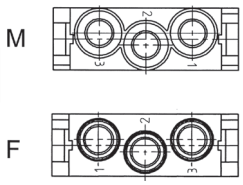
- EPIC® MCR Frames

EPIC® MC Module: High Voltage 3pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.







Info

- Very high current transfer in a small space

Suitable housing

- EPIC® MCR Frames
- The suitable connector housings depend on the modular frame used

Suitable contacts:

- EPIC® Modular 3.6 machined contacts Page 90

Benefits

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Application range

- Plant engineering
- Printing machines
- Control engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
1000 V

Rated current (A)
50 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver-plated

Number of contacts
3

Termination methods
Crimp termination: 1.5 mm² - 10 mm²

Cycle of mechanical operation
100

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: high voltage 3-pin					
10399800	MCS 3 CM-HV	male	3	1	10
10399900	MCB 3 CM-HV	female	3	1	10

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® MC Module removal tool refer to page 63

EPIC® MC Module: High Voltage 4+PE

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

Info

- Suitable for processing with contacts on reel
- For automated production with crimping machine



EPIC® MC Module: 3pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

Info

- Very high current transfer in a small space

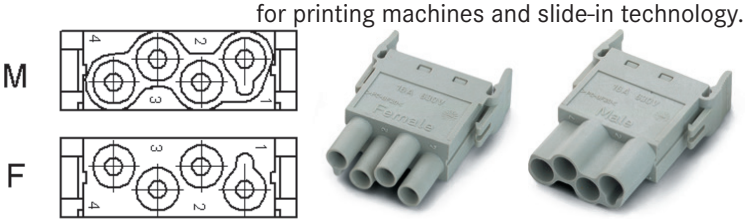


EPIC® MC Module: HE 4pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

Info

- Lever for rapid removal of the module



Suitable housing

- EPIC® MCR Frames
- The suitable connector housings depend on the modular frame used

Suitable contacts:

EPIC® MC Modul: Hochspannung 4+PE

- EPIC® MC 2.5 stamped contacts Page 88
- EPIC® MC 2.5 stamped contacts-on-reel Page 89

EPIC® MC Modul: 3pol.

- EPIC® MC 3.6 machined contacts Page 90

EPIC® MC Modul: HE 4pol.

- EPIC® H-BE 2.5 machined contacts Page 86

Benefits

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Application range

- Plant engineering
- Printing machines
- Control engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
EPIC® MC Module: High Voltage 4+PE
1000 V
EPIC® MC Module: 3pole
630 V
EPIC® MC Module: HE 4pole
630 V

Rated current (A)
EPIC® MC Module: High Voltage 4+PE
16 A
EPIC® MC Module: 3pole
40 A
EPIC® MC Module: HE 4pole
25 A

Degree of soiling
3

Contact resistance
< 2 mOhm

Contacts
Copper alloy, hard silver-plated

Number of contacts
EPIC® MC Module: High Voltage 4+PE
4 + PE
EPIC® MC Module: 3pole
3
EPIC® MC Module: HE 4pole
4

Termination methods
EPIC® MC Module: High Voltage 4+PE
Crimp termination: 0.5 - 2.5 mm²
EPIC® MC Module: 3pole
Crimp termination: 1.5 mm² - 10 mm²
EPIC® MC Module: HE 4pole
Crimp termination: 0.5 - 4.0 mm²

Cycle of mechanical operation
100

VDE-tested
EPIC® MC Module: High Voltage 4+PE
UL-tested:
UL File Number: E75770
EPIC® MC Module: 3pole
UL-tested: UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: high voltage 4-pin + PE					
10383200	MCS 5 CG	male	4 + PE	1	10
10383300	MCB 5 CG	female	4 + PE	1	10
Module: 3-pin					
10382000	MCS 3 CM	male	3	1	10
10382100	MCB 3 CM	female	3	1	10
Module: 4-pin HE					
10399000	MCS 4 CM	male	4	1	10
10399100	MCB 4 CM	female	4	1	10

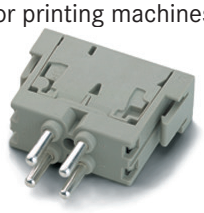
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® MC Module removal tool refer to page 63

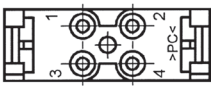
EPIC® MC Module: Cage clamp 4pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

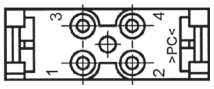




M



F



Info

- Fast connection by cage spring

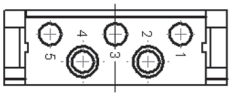
EPIC® MC Module: 5pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

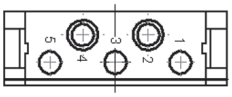




M



F



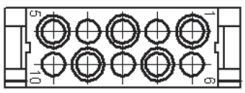
EPIC® MC Module: 10pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

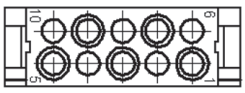




M



F



Info

- Ideal for data transmission

Suitable housing

- EPIC® MCR Frames
- The suitable connector housings depend on the modular frame used

Suitable contacts:

EPIC® MC Modul: 5pol.

- EPIC® MC 2.5 machined contacts Page 87

EPIC® MC Modul: 10pol.

- EPIC® MC 1.6 machined contacts Page 83

Benefits

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Application range

- Plant engineering
- Printing machines
- Control engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
400 V

Rated current (A)
EPIC® MC Module: Cage clamp 4pole
14 A
EPIC® MC Module: 5pole
20 A
EPIC® MC Module: 10pole
max. 10 A

Degree of soiling
3

Contact resistance
EPIC® MC Module: Cage clamp 4pole
1.5 - 4 mohm
EPIC® MC Module: 5pole
< 2 mOhm
EPIC® MC Module: 10pole
< 2 mOhm

Contacts
EPIC® MC Module: Cage clamp 4pole
Copper alloy, hard silver-plated
EPIC® MC Module: 5pole
Copper alloy, hard silver-plated
EPIC® MC Module: 10pole
Copper alloy, hard silver/gold-plated

Number of contacts
EPIC® MC Module: Cage clamp 4pole
4
EPIC® MC Module: 5pole
5
EPIC® MC Module: 10pole
10

Termination methods
EPIC® MC Module: Cage clamp 4pole
Cage clamp termination: 0.5 - 2.5 mm²
EPIC® MC Module: 5pole
Crimp termination: 0.5 - 4.0 mm²
EPIC® MC Module: 10pole
Crimp termination: 0.14 - 2.5 mm²

Stripping length (mm)
EPIC® MC Module: Cage clamp 4pole
10

Cycle of mechanical operation
100

EPIC® MC Module: 5pole
UL-tested:
UL File Number: E75770
EPIC® MC Module: 10pole
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: 4-pin cage clamp					
10399600	MCS 4 F	male	4	1	10
10399700	MCB 4 F	female	4	1	10
Module: 5-pin					
10382200	MCS 5 CM	male	5	1	10
10382300	MCB 5 CM	female	5	1	10
Module: 10-pin					
10382400	MCS 10 CM	male	10	1	10
10382500	MCB 10 CM	female	10	1	10

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

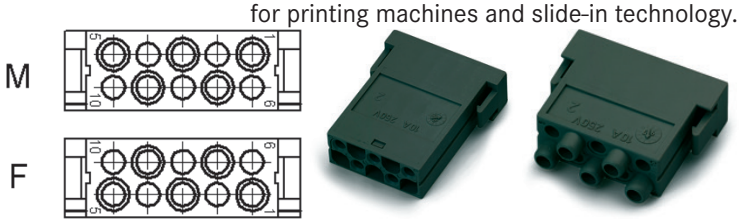
- EPIC® MC Module removal tool refer to page 63

EPIC® MC Module: 10pole stamped

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

Info

- Suitable for processing with contacts on reel
- For automated production with crimping machine

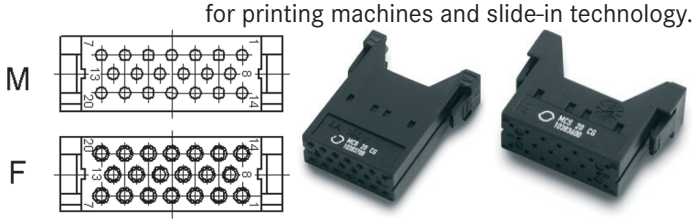


EPIC® MC Module: 20pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

Info

- Suitable for processing with contacts on reel
- For automated production with crimping machine

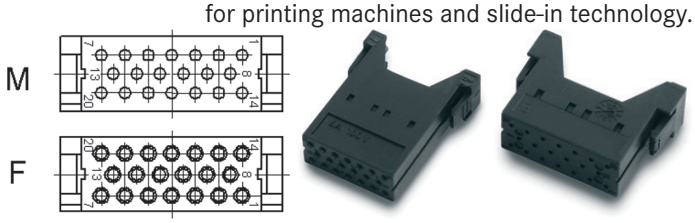


EPIC® MC Dummy Module

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

Info

- Dummy module as a placeholder for future expansion



Suitable housing

- EPIC® MCR Frames
- The suitable connector housings depend on the modular frame used

Suitable contacts:

EPIC® MC Modul: 10pol. stamped

- EPIC® H-D 1.6 stamped contacts Page 84
- EPIC® H-D 1.6 stamped contacts-on-reel Page 85

EPIC® MC Modul: 20pol.

- EPIC® M-D 1.0 D-Sub stamped contacts-on-reel Page 82

Benefits

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Application range

- Plant engineering
- Printing machines
- Control engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
EPIC® MC Module: 10pole stamped
250 V
EPIC® MC Module: 20pole
100 V

Rated current (A)
EPIC® MC Module: 10pole stamped
max. 10 A
EPIC® MC Module: 20pole
4 A

Degree of soiling
EPIC® MC Module: 10pole stamped
3
EPIC® MC Module: 20pole
3

Contact resistance
EPIC® MC Module: 10pole stamped
< 2 mOhm

Contacts
EPIC® MC Module: 10pole stamped
Copper alloy, hard silver/gold-plated
EPIC® MC Module: 20pole
Copper alloy, gold-plated

Number of contacts
EPIC® MC Module: 10pole stamped
10
EPIC® MC Module: 20pole
20

Termination methods
EPIC® MC Module: 10pole stamped
Crimp termination: 0.14 - 2.5 mm²
EPIC® MC Module: 20pole
Crimp termination: 0.08 - 0.56 mm²

Cycle of mechanical operation
EPIC® MC Module: 10pole stamped
100
EPIC® MC Module: 20pole
50

VDE-tested
EPIC® MC Module: 10pole stamped
UL-tested:
UL File Number: E75770
EPIC® MC Module: 20pole
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: 10-pin					
10383400	MCS 10 CG	male	10	1	10
10383500	MCB 10 CG	female	10	1	10
Module: 20-pin					
10383600	MCS 20 CG	male	20	1	10
10383700	MCB 20 CG	female	20	1	10
Dummy module					
10399400	MCS 0 Blind	male	0	1	10
10399500	MCB 0 Blind	female	0	1	10

Photographs are not to scale and do not represent detailed images of the respective products.

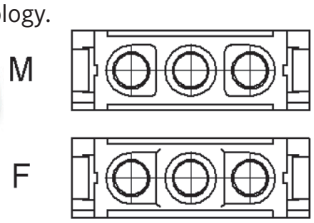
Accessories

- EPIC® MC Module removal tool refer to page 63

EPIC® MC Module: Koax 3pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.





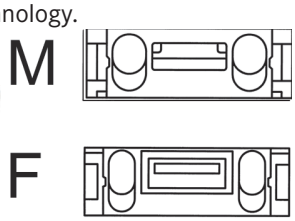
Info

- RGB video signal transmission in one module

EPIC® MC Module: PROFIBUS DP

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.





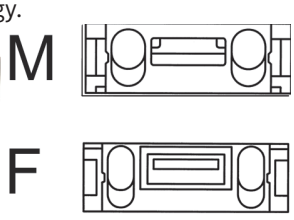
Info

- Profibus DP module for uniterruptible fieldbus operation
- Lever for rapid removal of the module

EPIC® MC Module: Universal Bus

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.





Info

- Connector for shielded data cables
- Lever for rapid removal of the module

Suitable housing

- EPIC® MCR Frames
- Higher housing
- The suitable connector housings depend on the modular frame used

Suitable contacts:

EPIC® MC Modul: Koax 3pol.

- EPIC® MC Coax-Contacts Page 93

Benefits

EPIC® MC Module: Koax 3pole

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

EPIC® MC Module: PROFIBUS DP

- Uninterrupible fieldbus operartion when pulling the connector
- Transmission rate up to 12 MBit/s
- Easy assembly by screw connection
- Shielding connection by strain relief

EPIC® MC Module: Universal Bus

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Application range

- Plant engineering
- Light & sound technology
- Control engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
EPIC® MC Module: Koax 3pole
250 V
EPIC® MC Module: PROFIBUS DP
30 V
EPIC® MC Module: Universal Bus
30 V

EPIC® MC Module: PROFIBUS DP
1 A
EPIC® MC Module: Universal Bus
1 A

Degree of soiling
3

Contact resistance
EPIC® MC Module: Koax 3pole
< 2,7 mOhm

Contacts
Copper alloy, gold-plated

Number of contacts
EPIC® MC Module: Koax 3pole
3
EPIC® MC Module: PROFIBUS DP
2 / 4 + shield
EPIC® MC Module: Universal Bus
4 + shield

Termination methods
EPIC® MC Module: Koax 3pole
Solder termination: var. coax cables
EPIC® MC Module: PROFIBUS DP
Screw termination: for Profibus cable
EPIC® MC Module: Universal Bus
Screw termination: 0.08 - 1.5 mm²

Cycle of mechanical operation
100

Temperature range
EPIC® MC Module: Koax 3pole
-40°C to +100°C,
short-term up to +125°C
EPIC® MC Module: PROFIBUS DP
-20 °C to +85 °C
EPIC® MC Module: Universal Bus
-20 °C to +85 °C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: 3-pin coax					
10399200	MCS 3 coax	male	3	1	10
10399300	MCB 3 coax	female	3	1	10
Module: Profibus DP					
10390400	MCS 2 SS	male	2 + shield	1	5
10390500	MCS 2 BS	female	2 + shield	1	5
Module: Universal Bus					
10390600	MCS 4 SS	male	4 + shield	1	5
10390700	MCS 4 BS	female	4 + shield	1	5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

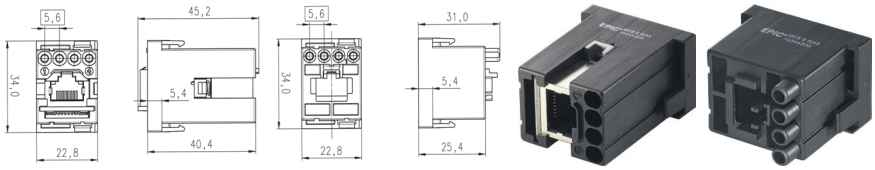
- EPIC® MC Module removal tool refer to page 63

EPIC® MC Module: RJ45

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

Info

- CAT.5-Performance



Suitable housing

- EPIC® MCR Frames
- Higher housing
- The suitable connector housings depend on the modular frame used

Suitable contacts:

- EPIC® H-D 1.6 machined contacts Page 83

Benefits

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Application range

- Plant engineering
- Control engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
max. 600 V/max. 125 V

Rated current (A)
max. 10 A/max. 1.5 A

Degree of soiling
3

Contacts
Copper alloy, gold-plated

Number of contacts
4 Power + 8 Data

Termination methods
Power: crimp termination: 0.14 - 2.5 mm²,
Data: IDC/piercing termination: Cat5, AWG 24-26

Cycle of mechanical operation
100

Temperature range
-20 °C to +85 °C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: RJ 45					
10344300	MCS 8 RJ45	male	4 + 8	2	5
10345300	MCB 8 RJ45	female	4 + 8	2	5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® MC Module removal tool refer to page 63

EPIC® CE6326 Connector RJ45

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- RJ45 connector suitable for RJ45 module

Suitable housing

- EPIC® MCR Frames
- The suitable connector housings depend on the modular frame used

Benefits

- RJ45 connector for use in the module MCS 8 RJ45

Application range

- Plant engineering
- Control engineering

Suitable cables

- ETHERLINE® 4-pairs flexible/high flexible CAT.5e

Suitable tools

- Crimping tool RJ45 Stewart refer to main catalogue
- Use crimping tool type CE5092

Technical data

Classification
ETIM 5.0 Class-ID: EC000309
ETIM 5.0 Class-Description:
Module for active network component/ network unit

Rated voltage (V)
max. 125 V

Rated current (A)
max. 1.5 A

Degree of soiling
3

Contacts
Copper alloy, gold-plated

Number of contacts
8

Termination methods
IDC/piercing termination:
Cat 5, AWG 24-26

Cycle of mechanical operation
100

Temperature range
-20 °C to +85 °C

Article number	Article description	Contact type	Number of operating contacts	Pieces / PU
RJ45 connector for MCS 8 RJ45				
CE6326	CE6326	male	8	10

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® MC BUS

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

Info

- Shielded modul for data and signal transmission



Suitable housing

- EPIC® MCR Frames

Suitable contacts:

- EPIC® H-D 1.6 machined contacts
  Page 83

Benefits

- Shielded modul for data and signal transmission
- Crimp connection for permanent vibration proof contact
- CAT5e up to 1 Gigabit/s
- Cable clamp 3 - 9mm
- The mix of different functions in one plug guarantees high flexibility

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
50

Rated impulse voltage
0,8 kV

Rated current (A)
10

Degree of soiling
3

Number of contacts
8

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Material
PA

Cycle of mechanical operation
500

Temperature range
-40°C
+125°C

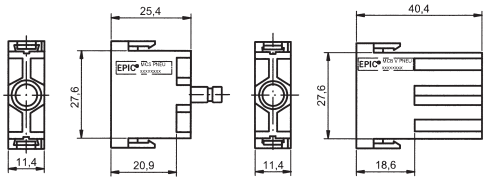
Article number	Article description	Number of operating contacts	Slots	Pieces / PU
EPIC® MC BUS				
10390410	EPIC® MCS BUS 2x(4) CM	2x (4 + shield)	2	10
10390411	EPIC® MCB BUS 2x(4) CM	2x (4 + shield)	2	10
EPIC® MC BUS PIN				
10390412	EPIC® MCS BUS PIN 1x(4) CM	4 + shield		10
10390413	EPIC® MCB BUS PIN 1x(4) CM	4 + shield		10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® MC Module Pneumatic 1pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.





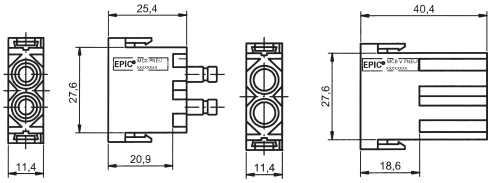
Info

- Pneumatic modules with valve for 2.5 and 4mm tubings

EPIC® MC Module Pneumatic 2pole

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.





Info

- Pneumatic modules with valve for 2.5 and 4mm tubings

Suitable housing

- EPIC® MCR Frames
- Higher housing
- The suitable connector housings depend on the modular frame used

Benefits

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Application range

- Plant engineering
- Printing machines
- Control engineering

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Contacts
Brass

Number of contacts
EPIC® MC Module Pneumatic 1pole
1
EPIC® MC Module Pneumatic 2pole
2

Termination methods
Plug-in connection: for hose with inner diameter 2.5 mm/4.0 mm

Cycle of mechanical operation
100

Operating presure
8 bar

Testing presure
10 bar

Temperature range
-20°C to +100°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
Module: pneumatic 1-pin					
44424004	MCS 1x2,5 PNEU (10)	male	1	1	10
44424005	MCB 1x2,5 PNEU (10)	female with valve	1	1	10
44424006	MCS 1x4,0 PNEU (10)	male	1	1	10
44424007	MCB 1x4,0 PNEU (10)	female with valve	1	1	10
Module: pneumatic 2-pin					
44424008	MCS 2x2,5 PNEU (10)	male	2	1	10
44424009	MCB 2x2,5 PNEU (10)	female with valve	2	1	10
44424010	MCS 2x4,0 PNEU (10)	male	2	1	10
44424011	MCB 2x4,0 PNEU (10)	female with valve	2	1	10

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® MC Module removal tool refer to page 63

EPIC® MC Module removal tool

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Suitable housing

- EPIC® MCR Frames

Benefits

- This tool is used to lift built-in modules out of the module frames

Technical data

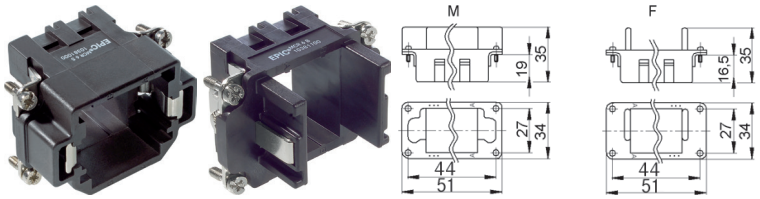
Classification
ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article description	Pieces / PU
MC module removal tool		
11171200	MC module removal tool	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® MCR 6

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

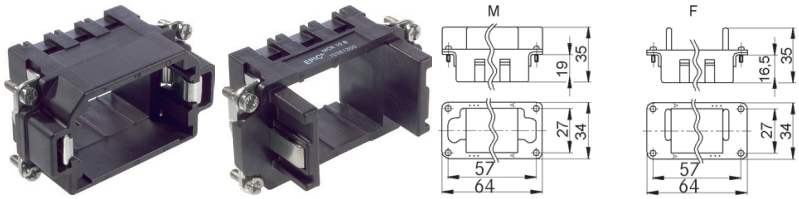


Info

- Frame system for modules
- Various functions can be used together in one connector

EPIC® MCR 10

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

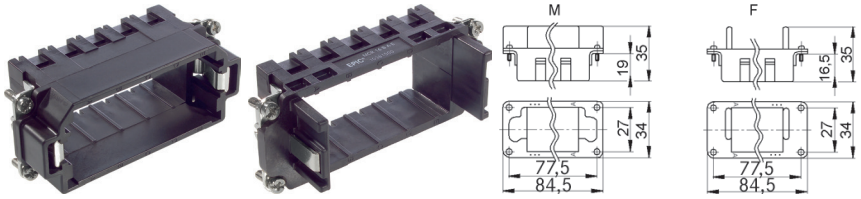


Info

- Frame system for modules
- Various functions can be used together in one connector

EPIC® MCR 16

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.

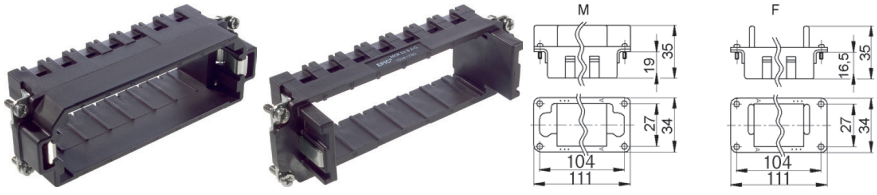


Info

- Frame system for modules
- Various functions can be used together in one connector

EPIC® MCR 24

The mixed assembly guarantees high flexibility. For applications in mechanical and plant engineering, for printing machines and slide-in technology.



Info

- Frame system for modules
- Various functions can be used together in one connector

Suitable housing

EPIC® MCR 6
- EPIC® ULTRA H-B 6
- EPIC® H-B 6 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

EPIC® MCR 10
- EPIC® ULTRA H-B 10
- EPIC® H-B 10 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

EPIC® MCR 16
- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

EPIC® MCR 24
- EPIC® ULTRA H-B 24
- EPIC® H-B 24 Housings
- EPIC® QUICK & EASY Mounting system Page 180
- EPIC® Docking Frame Page 181

Benefits

- The mix of different functions in one plug guarantees high flexibility
- Assembly of individual connectors, suitable for different applications

Product features

- The MCR “male” frame version is designed for use with modules with male contacts; the “female” version is designed for use with modules with female contacts

Technical data

Classification
ETIM 5.0 Class-ID: EC002310
ETIM 5.0 Class-Description: Fixing frame industrial connectors

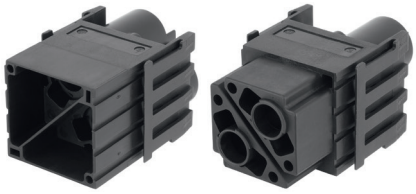
VDE-tested
Certified production control:
VDE-REG.no. **A870**
UL-tested:
UL File Number: E75770

Article number	Article	Slots	Version	Pieces / PU
MCR 6 frame				
10381000	MCR 6 S	2	male	5
10381100	MCR 6 B	2	female	5
MCR 10 frame				
10381200	MCR 10 S	3	male	5
10381300	MCR 10 B	3	female	5
MCR 16 frame				
10381400	MCR 16 S	5	male	5
10381500	MCR 16 B	5	female	5
MCR 24 frame				
10381600	MCR 24 S	7	male	5
10381700	MCR 24 B	7	female	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® MH 2

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector System, mateable with the market standard
- High power module 2pole for compact power transmission

Suitable housing

- EPIC® MH Modular System frame
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® MH 8.0mm Contacts Page 80

Benefits

- High power module 2pole for compact power transmission
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles:
  Test according EN 45545-2.
  Requirement sets R22 and R23.
  Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
1000 V

Rated impulse voltage
8 kV

Rated current (A)
100 A

Degree of soiling
3

Contact resistance
< 5 mOhm

Number of contacts
2

Termination methods
Crimp termination: 10 mm² ... 35 mm²

Material
Polyamide, glass fibre-reinforced

Cycle of mechanical operation
500

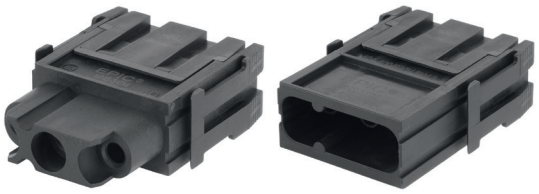
Temperature range
-40°C ... +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 2					
44423212	EPIC® MHS 2 CM	male	2	2	10
44423213	EPIC® MHB 2 CM	female	2	2	10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® MH 3

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector System, mateable with the market standard
- Power module 3pole for compact power transmission

Suitable housing

- EPIC® MH Modular System frame
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® MH 4.0mm Contacts Page 80

Benefits

- Power module 3pole for compact power transmission
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles:
  Test according EN 45545-2.
  Requirement sets R22 and R23.
  Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
830 V

Rated impulse voltage
8 kV

Rated current (A)
40 A

Degree of soiling
3

Contact resistance
< 5 mOhm

Number of contacts
3

Termination methods
Crimp termination: 1.5 mm² - 10 mm²

Material
Polyamide, glass fibre-reinforced

Cycle of mechanical operation
500

Temperature range
-40°C ... +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 3					
44423214	EPIC® MHS 3 CM	male	3	1	10
44423215	EPIC® MHB 3 CM	female	3	1	10

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® MH 4

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector System, mateable with the market standard
- Power module 4 pole for compact power transmission

Suitable housing

- EPIC® MH Modular System frame
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® MH 4.0mm Contacts
  Page 80

Benefits

- Power module 4 pole for compact power transmission
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles:
  Test according EN 45545-2.
  Requirement sets R22 and R23.
  Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
830 V

Rated impulse voltage
8 kV

Rated current (A)
40 A

Degree of soiling
3

Contact resistance
< 5 mOhm

Number of contacts
4

Termination methods
Crimp termination: 1.5 mm² - 10 mm²

Material
Polyamide, glass fibre-reinforced

Cycle of mechanical operation
500

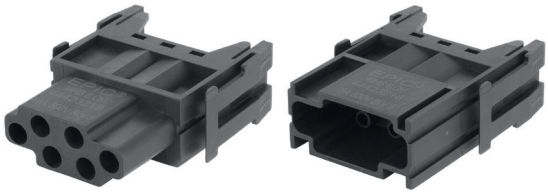
Temperature range
-40°C ... +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 4					
44423216	EPIC® MHS 4 CM	male	4	1	10
44423217	EPIC® MHB 4 CM	female	4	1	10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® MH 6

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector System, mateable with the market standard
- Module 6 pole for control signals

Suitable housing

- EPIC® MH Modular System frame
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® H-BE 2.5 machined contacts
  Page 86

Benefits

- Module 6 pole for control signals
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles:
  Test according EN 45545-2.
  Requirement sets R22 and R23.
  Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
500 V

Rated impulse voltage
6 kV

Rated current (A)
16 A

Degree of soiling
3

Contact resistance
< 5 mOhm

Number of contacts
6

Termination methods
Crimp termination: 0.14 - 4.0 mm²

Material
Polyamide, glass fibre-reinforced

Cycle of mechanical operation
500

Temperature range
-40°C ... +125°C

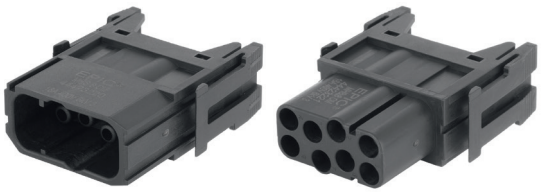
Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 6					
44423218	EPIC® MHS 6 CM	male	6	1	10
44423219	EPIC® MHB 6 CM	female	6	1	10

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® MH 8

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector System, mateable with the market standard
- Module 8 pole for control signals

Suitable housing

- EPIC® MH Modular System frame
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® H-BE 2.5 machined contacts
  Page 86

Benefits

- Module 8 pole for control signals
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles:
  Test according EN 45545-2.
  Requirement sets R22 and R23.
  Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
400 V

Rated impulse voltage
6 kV

Rated current (A)
16 A

Degree of soiling
3

Contact resistance
< 5 mOhm

Number of contacts
8

Termination methods
Crimp termination: 0.14 - 4.0 mm²

Material
Polyamide, glass fibre-reinforced

Cycle of mechanical operation
500

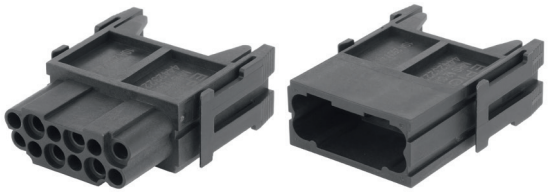
Temperature range
-40°C ... +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 8					
44423220	EPIC® MHS 8 CM	male	8	1	10
44423221	EPIC® MHB 8 CM	female	8	1	10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® MH 12

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector System, mateable with the market standard
- Module 12 pole for control signals

Suitable housing

- EPIC® MH Modular System frame
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® H-D 1.6 machined contacts
  Page 83

Benefits

- Module 12 pole for control signals
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles:
  Test according EN 45545-2.
  Requirement sets R22 and R23.
  Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
250 V

Rated impulse voltage
4 kV

Rated current (A)
10 A

Degree of soiling
3

Contact resistance
< 5 mOhm

Number of contacts
12

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Material
Polyamide, glass fibre-reinforced

Cycle of mechanical operation
500

Temperature range
-40°C ... +125°C

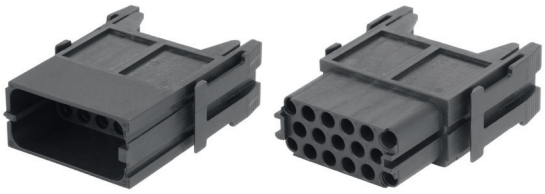
Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 12					
44423222	EPIC® MHS 12 CM	male	12	1	10
44423223	EPIC® MHB 12 CM	female	12	1	10

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® MH 17

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector System, mateable with the market standard
- Universal module for 17 contacts in smallest space

Suitable housing

- EPIC® MH Modular System frame
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® H-D 1.6 machined contacts
  Page 83

Benefits

- Universal module for 17 contacts in smallest space
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles:
  Test according EN 45545-2.
  Requirement sets R22 and R23.
  Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
160 V

Rated impulse voltage
2.5 kV

Rated current (A)
10 A

Degree of soiling
3

Contact resistance
< 5 mOhm

Number of contacts
17

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Material
Polyamide, glass fibre-reinforced

Cycle of mechanical operation
500

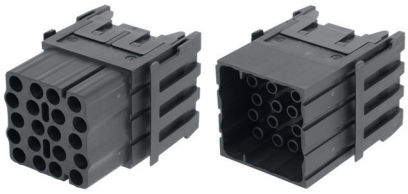
Temperature range
-40°C ... +125°C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 17					
44423224	EPIC® MHS 17 CM	male	17	1	10
44423225	EPIC® MHB 17 CM	female	17	1	10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® MH 20

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector System, mateable with the market standard
- Double module 20 pole for control signals

Suitable housing

- EPIC® MH Modular System frame
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® H-BE 2.5 machined contacts
  Page 86

Benefits

- Double module 20 pole for control signals
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles:
  Test according EN 45545-2.
  Requirement sets R22 and R23.
  Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
500 V

Rated impulse voltage
6 kV

Rated current (A)
16 A

Degree of soiling
3

Contact resistance
< 5 mOhm

Number of contacts
20

Termination methods
Crimp termination: 0.14 - 4.0 mm²

Material
Polyamide, glass fibre-reinforced

Cycle of mechanical operation
500

Temperature range
-40°C ... +125°C

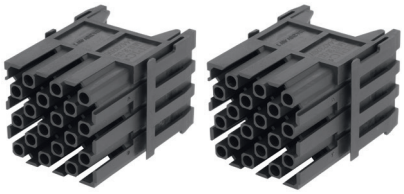
Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 20					
44423226	EPIC® MHS 20 CM	male	20	2	10
44423227	EPIC® MHB 20 CM	female	20	2	10

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® MH 36

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector System, mateable with the market standard
- Double module for 36 contacts in smallest space

Suitable housing

- EPIC® MH Modular System frame
- EPIC® H-B housing use in high version

Suitable contacts:

- EPIC® H-D 1.6 machined contacts
  Page 83

Benefits

- Double module for 36 contacts in smallest space
- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles:
  Test according EN 45545-2.
  Requirement sets R22 and R23.
  Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
250 V

Rated impulse voltage
4 kV

Rated current (A)
10 A

Degree of soiling
3

Contact resistance
< 5 mOhm

Number of contacts
36

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Material
Polyamide, glass fibre-reinforced

Cycle of mechanical operation
500

Temperature range
-40 °C ... +125 °C

Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH 36					
44423266	EPIC® MHS 36 CM	male	36	2	10
44423267	EPIC® MHB 36 CM	female	36	2	10

Photographs are not to scale and do not represent detailed images of the respective products.

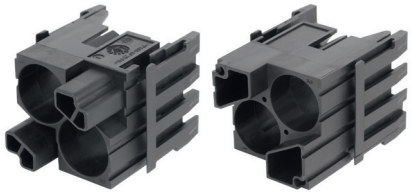
NEW

EPIC® MH Bus 2x(4) Modul

High flexibility by the use of any combination of inserts in one connector

Info

- Modular connector System, mateable with the market standard
- Shielded modul for data and signal transmission

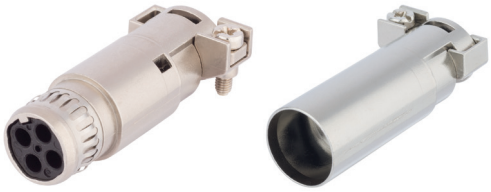


EPIC® MH Bus PIN 1x(4) contact holder

High flexibility by the use of any combination of inserts in one connector

Info

- Modular connector System, mateable with the market standard
- Shielded modul for data and signal transmission



Suitable housing

EPIC® MH Bus 2x(4) Modul

- EPIC® MH Modular System frame
- EPIC® H-B housing use in high version

Suitable contacts:

EPIC® MH Bus 2x(4) Modul

- EPIC® H-D 1.6 machined contacts Page 83
- EPIC® MH Bus PIN 1x(4) Page 75

Benefits

- Shielded modul for data and signal transmission
- EPIC® MH system is mateable with the market standard
- Crimp connection for permanent vibration proof contact
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Rated voltage (V)
50

Rated impulse voltage
0,8 kV

Rated current (A)
10

Degree of soiling
3

Number of contacts
EPIC® MH Bus 2x(4) Modul
8
EPIC® MH Bus PIN 1x(4) contact holder
4

Termination methods
Crimp termination: 0.14 - 2.5 mm²

Material
PA

Cycle of mechanical operation
500

Temperature range
-40°C ... +125°C

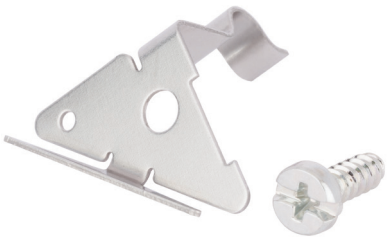
Article number	Article description	Contact type	Number of operating contacts	Slots	Pieces / PU
EPIC® MH Bus 2x(4) Modul					
44423228	EPIC® MHS Bus 2x(4) CM	male	2x (4 + shield)	2	10
44423230	EPIC® MHB Bus 2x(4) CM	female	2x (4 + shield)	2	10
EPIC® MH BUS PIN 1x(4) contact holder					
44423229	EPIC® MHS Bus PIN 1x(4) CM	male	4 + shield		10
44423231	EPIC® MHB Bus PIN 1x(4) CM	female	4 + shield		10

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® MH Potential set

High flexibility by the use of any combination of inserts in one connector



Info

- Equipotential spring for multi frame

Benefits

- Equipotential spring for multi frame
- For use in EPIC® MH BUS modules

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Pieces / PU
EPIC® MH Potential set		
44423265	EPIC® MH Potential Set	10

Photographs are not to scale and do not represent detailed images of the respective products.

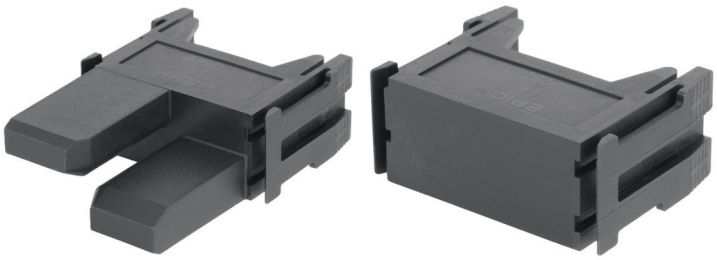
NEW

EPIC® MH 0 blind modul

High flexibility by the use of any combination of inserts in one connector

Info

- Modular connector System, mateable with the market standard
- Dummy module as a placeholder for future expansion



Suitable housing

- EPIC® MH Modular System frame
- EPIC® H-B housing use in high version

Benefits

- Dummy module as a placeholder for future expansion
- EPIC® MH system is mateable with the market standard
- "Z" version with centering function for plug in technique
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles:
  Test according EN 45545-2.
  Requirement sets R22 and R23.
  Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Number of contacts
0

Material
Polyamide, glass fibre-reinforced

Temperature range
-40 °C ... +125 °C

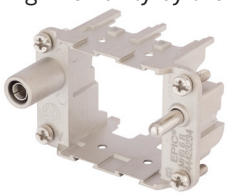
Article number	Article description	Slots	Pieces / PU
EPIC® MH 0 blind modul			
44423232	EPIC® MH 0	1	10
EPIC® MH 0 blind modul with centering			
44423233	EPIC® MH 0 Z	1	10

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® MH 6 multi frame

High flexibility by the use of any combination of inserts in one connector

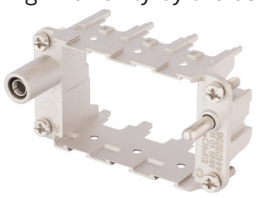


Info

- Modular connector System, mateable with the market standard
- Frame system for modules

EPIC® MH 10 multi frame

High flexibility by the use of any combination of inserts in one connector

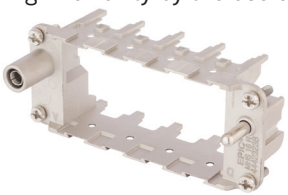


Info

- Modular connector System, mateable with the market standard
- Frame system for modules

EPIC® MH 16 multi frame

High flexibility by the use of any combination of inserts in one connector

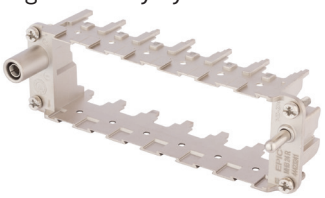


Info

- Modular connector System, mateable with the market standard
- Frame system for modules

EPIC® MH 24 multi frame

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector System, mateable with the market standard
- Frame system for modules

EPIC® MH Clip

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector System, mateable with the market standard
- Adapter clip for modules of competition

Suitable housing

EPIC® MH 6 Multirahmen
- EPIC® ULTRA H-B 6
- EPIC® H-B 6 Housings

EPIC® MH 10 Multirahmen
- EPIC® ULTRA H-B 10
- EPIC® H-B 10 Housings

EPIC® MH 16 Multirahmen
- EPIC® ULTRA H-B 16
- EPIC® H-B 16 Housings

EPIC® MH 24 Multirahmen
- EPIC® ULTRA H-B 24
- EPIC® H-B 24 Housings

Benefits

EPIC® MH 6 multi frame
- Multi frame for own and competition modules
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- PE connection from 1mm² up to 6mm² with end sleeve, 10mm² with adapter

EPIC® MH 10 multi frame
- Multi frame for own and competition modules
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL4
- PE connection from 1mm² up to 6mm² with end sleeve, 10mm² with adapter

EPIC® MH 16 multi frame

- Multi frame for own and competition modules
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles:
  Test according EN 45545-2.
  Requirement sets R22 and R23.
  Hazard level HL1, HL2 and HL4
- PE connection from 1mm² up to 6mm² with end sleeve, 10mm² with adapter

EPIC® MH 24 multi frame

- Multi frame for own and competition modules
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles:
  Test according EN 45545-2.
  Requirement sets R22 and R23.
  Hazard level HL1, HL2 and HL4
- PE connection from 1mm² up to 6mm² with end sleeve, 10mm² with adapter

EPIC® MH Clip

- EPIC® MH Clip for mounting of competition modules in EPIC® MH frame
- EPIC® MH system is mateable with the market standard
- The mix of different functions in one plug guarantees high flexibility
- Railway applications
  - Fire protection on railway vehicles:
  Test according EN 45545-2.
  Requirement sets R22 and R23.
  Hazard level HL1, HL2 and HL4

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector

Material
EPIC® MH 6 multi frame
Zinc die-cast
EPIC® MH 10 multi frame
Zinc die-cast
EPIC® MH 16 multi frame
Zinc die-cast
EPIC® MH 24 multi frame
Zinc die-cast

Cycle of mechanical operation
EPIC® MH 6 multi frame
500
EPIC® MH 10 multi frame
500
EPIC® MH 16 multi frame
500
EPIC® MH 24 multi frame
500

Temperature range
-40°C ... +125°C

Article number	Article description	Contact type	Slots	Pieces / PU
EPIC® MH 6 multi frame				
44423234	EPIC® MHS 6 R	male	2	10
44423235	EPIC® MHB 6 R	female	2	10
EPIC® MH 10 multi frame				
44423236	EPIC® MHS 10 R	male	3	10
44423237	EPIC® MHB 10 R	female	3	10
EPIC® MH 16 multi frame				
44423238	EPIC® MHS 16 R	male	4	10
44423239	EPIC® MHB 16 R	female	4	10
EPIC® MH 24 multi frame				
44423240	EPIC® MHS 24 R	male	6	10
44423241	EPIC® MHB 24 R	female	6	10
EPIC® MH Clip				
44423264	EPIC® MH Clip			20

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® MH 8.0mm Contacts

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector System, mateable with the market standard

Benefits

- Crimp connection for permanent vibration proof contact
- EPIC® MH system is mateable with the market standard

Suitable tools

- For use in battery hydraulic crimping tool Klauke type EK 120/42-L

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Contact resistance
< 5 mOhm

Termination methods
Crimp termination: 10 mm² - 35 mm²

Stripping length (mm)
18

Cycle of mechanical operation
500

Article number	Article description	Contact type	Connection cross section (mm²)	Pieces / PU
EPIC® MH D=8.0 contacts				
44423242	EPIC® MH SCEM AG 10sqmm D=8.0	male	10	10
44423246	EPIC® MH BCEM AG 10sqmm D=8.0	female	10	10
44423243	EPIC® MH SCEM AG 16sqmm D=8.0	male	16	10
44423247	EPIC® MH BCEM AG 16sqmm D=8.0	female	16	10
44423244	EPIC® MH SCEM AG 25sqmm D=8.0	male	25	10
44423248	EPIC® MH BCEM AG 25sqmm D=8.0	female	25	10
44423245	EPIC® MH SCEM AG 35sqmm D=8.0	male	35	10
44423249	EPIC® MH BCEM AG 35sqmm D=8.0	female	35	10

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® MH 4.0mm Contacts

High flexibility by the use of any combination of inserts in one connector



Info

- Modular connector System, mateable with the market standard

Application range

- Mechanical engineering
- Robotics industry
- Plant engineering
- Renewable energy
- Railway applications / vehicle construction

Suitable tools

- EPIC® MH contact removal tool 4.0mm

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Contact resistance
< 5 mOhm

Termination methods
Crimp termination: 1.5 mm² - 10 mm²

Stripping length (mm)
10

Cycle of mechanical operation
500

Article number	Article description	Contact type	Connection cross section (mm²)	Pieces / PU
EPIC® MH 4.0mm Contacts				
44423250	EPIC® MH SCEM AG 1.5sqmm D=4.0	male	1.5	10
44423255	EPIC® MH BCEM AG 1.5sqmm D=4.0	female	1.5	10
44423251	EPIC® MH SCEM AG 2.5sqmm D=4.0	male	2.5	10
44423256	EPIC® MH BCEM AG 2.5sqmm D=4.0	female	2.5	10
44423252	EPIC® MH SCEM AG 4sqmm D=4.0	male	4	10
44423257	EPIC® MH BCEM AG 4sqmm D=4.0	female	4	10
44423253	EPIC® MH SCEM AG 6sqmm D=4.0	male	6	10
44423258	EPIC® MH BCEM AG 6sqmm D=4.0	female	6	10
44423254	EPIC® MH SCEM AG 10sqmm D=4.0	male	10	10
44423259	EPIC® MH BCEM AG 10sqmm D=4.0	female	10	10

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® TOOL DIE 8.0mm

High flexibility by the use of any combination of inserts in one connector

Info

- Crimp dies for electro hydraulic crimp tool

EPIC® MH contact removal tool 8.0mm

High flexibility by the use of any combination of inserts in one connector

Info

- Tool for removing the 8.0mm contacts from the EPIC® MH modules

Suitable contacts:

EPIC® TOOL DIE 8.0mm

- EPIC® MH 8.0mm Contacts Page 80

Benefits

EPIC® MH contact removal tool 8.0mm

- Tool for removing the 8.0mm contacts from the EPIC® MH modules

Suitable tools

EPIC® TOOL DIE 8.0mm

- For use in battery hydraulic crimping tool Klauke type EK 120/42-L

Article number	Article description	Connection cross section (mm²)	Connection cross section (mm²)	Pieces / PU
Crimping dies				
44423270	EPIC® TOOL DIE D=8.0 10sqmm	10	10.00	1
44423271	EPIC® TOOL DIE D=8.0 10sqmm	16	16.00	1
44423272	EPIC® TOOL DIE D=8.0 25sqmm	25	25.00	1
44423273	EPIC® TOOL DIE D=8.0 35sqmm	35	35.00	1
EPIC® MH contact removal tool 8.0mm				
44423269	EPIC® MH contact removal tool 8.0mm			1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® M-D 1.0 D-Sub stamped contacts-on-reel

For inserts and modules of the EPIC® rectangular connectors



Info

- Gold plated contacts in 2 quality levels
- For automated production with crimping machine
- 2 crimp areas for wire and insulation crimp

Suitable tools

- Crimping tool for contacts-on-reel D-Sub refer to main catalogue
- Removal tool refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm²)	Surface	Stripping length (mm)	Note	Pieces / PU
Contacts							
44429011	EPIC® D-SUB SCBG AU G2 0,08-0,22 (500)	male	0.08 - 0.22	Au (0.8 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1
44429007	EPIC® D-SUB BCBG AU G2 0,08-0,22 (500)	female	0.08 - 0.22	Au (0.8 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1
44429013	EPIC® D-SUB SCBG AU G3 0,08-0,22 (500)	male	0.08 - 0.22	Au (0.1 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1
44429009	EPIC® D-SUB BCBG AU G3 0,08-0,22 (500)	female	0.08 - 0.22	Au (0.1 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1
44429012	EPIC® D-SUB SCBG AU G2 0,22-0,56 (500)	male	0.22 - 0.56	Au (0.8 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1
44429008	EPIC® D-SUB BCBG AU G2 0,22-0,56 (500)	female	0.22 - 0.56	Au (0.8 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1
44429014	EPIC® D-SUB SCBG AU G3 0,22-0,56 (500)	male	0.22 - 0.56	Au (0.1 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1
44429010	EPIC® D-SUB BCBG AU G3 0,22-0,56 (500)	female	0.22 - 0.56	Au (0.1 µm)	2.5 + 0.5	1 reel (PU) = 500 contacts	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for M-D 1,0 D-Sub contacts-on-reel stamped

For inserts and modules of the EPIC® rectangular connectors



Suitable contacts:

- EPIC® M-D 1.0 D-Sub stamped contacts-on-reel Page 82

Article number	Article description	Version	Note	Pieces / PU
Tools				
11158400	Crimping tool	In tool case	Crimping dies included, for contacts H-D 1.0 D-Sub (0.08 - 0.56 mm²)	1
11132500	Removal tool		For ribbon contacts: D-Sub 1.0 stamped	1

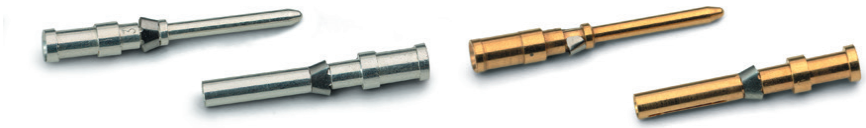
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-D 1.6 machined contacts

For inserts and modules of the EPIC® rectangular connectors

Info

- Choice of high quality gold or silver plated contacts



Suitable tools

- EPIC® Tools for contacts H-D 1.6 machined refer to page 83
- Pneumatic crimping machine for single contacts refer to main catalogue
- Crimping tool for single contacts refer to main catalogue
- Crimping dies for single contacts refer to main catalogue
- Locator refer to main catalogue
- Removal tool refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm²)	Cross-section ratio	Surface	Stripping length (mm)	Pieces / PU
Contacts							
13162000	H-D 1.6 machined	male	0.14 - 0.37	1	Ag	8.0	100
13163000	H-D 1.6 machined	female	0.14 - 0.37	1	Ag	8.0	100
13162100	H-D 1.6 machined	male	0.50	2	Ag	8.0	100
13163100	H-D 1.6 machined	female	0.50	2	Ag	8.0	100
13162200	H-D 1.6 machined	male	0.75 - 1.00	3	Ag	8.0	100
13163200	H-D 1.6 machined	female	0.75 - 1.00	3	Ag	8.0	100
13162300	H-D 1.6 machined	male	1.50	4	Ag	8.0	100
13163300	H-D 1.6 machined	female	1.50	4	Ag	8.0	100
13162400	H-D 1.6 machined	male	2.50	5	Ag	5.8	100
13163400	H-D 1.6 machined	female	2.50	5	Ag	5.8	100
13162500	H-D 1.6 machined	male	0.14 - 0.37	1	Au	8.0	100
13163500	H-D 1.6 machined	female	0.14 - 0.37	1	Au	8.0	100
13162600	H-D 1.6 machined	male	0.50	2	Au	8.0	100
13163600	H-D 1.6 machined	female	0.50	2	Au	8.0	100
13162700	H-D 1.6 machined	male	0.75 - 1.00	3	Au	8.0	100
13163700	H-D 1.6 machined	female	0.75 - 1.00	3	Au	8.0	100
13162800	H-D 1.6 machined	male	1.50	4	Au	8.0	100
13163800	H-D 1.6 machined	female	1.50	4	Au	8.0	100
13162900	H-D 1.6 machined	male	2.50	5	Au	5.8	100
13163900	H-D 1.6 machined	female	2.50	5	Au	5.8	100

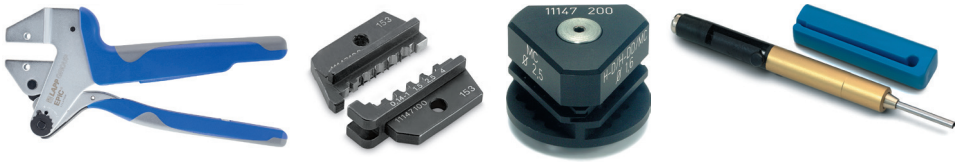
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts H-D 1.6 machined

For inserts and modules of the EPIC® rectangular connectors



11147001



Product features

- Locator and crimping dies fit together with the crimping tool 11147000 and the crimping machine 11147001

Article number	Article description	Version	Note	Pieces / PU
Tools				
11147000	Crimping tool	In tool case	without crimping dies, without locator	1
11147001	Crimping machine	Pneumatic, 5 - 10 bar	without crimping dies, without locator	1
11147100	Crimping dies	For crimping tools 11147000, 11147001	For contacts: H-D 1.6 machined, H-BE 2.5 machined, MC 2.5 machined	1
11147200	Locator	For crimping tools 11147000, 11147001	For contacts: H-D 1.6 machined, H-BE machined, MC 2.5 machined, MC 2.5 stamped	1
11161000	Removal tool		For contacts: H-D 1.6 machined, H-D 1.6 stamped	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-D 1.6 stamped contacts

For inserts and modules of the EPIC® rectangular connectors





Info

- Choice of high quality gold or silver plated contacts
- 2 crimp areas for wire and insulation crimp

Suitable tools

- Pneumatic crimping machine for single contacts refer to main catalogue
- Crimping tool for single contacts refer to main catalogue
- Crimping dies for single contacts refer to main catalogue
- Locator refer to main catalogue
- Removal tool refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm²)	Surface	Stripping length (mm)	Pieces / PU
Contacts						
11241100	H-D 1.6 stamped	male	0.14 - 0.50	Ag	2.5 + 0.5	100
11231100	H-D 1.6 stamped	female	0.14 - 0.50	Ag	2.5 + 0.5	100
11221000	H-D 1.6 stamped	male	0.50 - 1.50	Ag	3.5 + 0.5	100
11236100	H-D 1.6 stamped	female	0.50 - 1.50	Ag	3.5 + 0.5	100
11223500	H-D 1.6 stamped	male	1.50 - 2.50	Ag	3.5 + 0.5	100
11228500	H-D 1.6 stamped	female	1.50 - 2.50	Ag	3.5 + 0.5	100
11243100	H-D 1.6 stamped	male	0.14 - 0.50	Au	2.5 + 0.5	100
11233100	H-D 1.6 stamped	female	0.14 - 0.50	Au	2.5 + 0.5	100
11221300	H-D 1.6 stamped	male	0.50 - 1.50	Au	3.5 + 0.5	100
11238100	H-D 1.6 stamped	female	0.50 - 1.50	Au	3.5 + 0.5	100

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts H-D 1.6 stamped

For inserts and modules of the EPIC® rectangular connectors

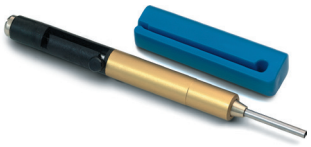


11147001









Article number	Article description	Version	Note	Pieces / PU
Tools				
11147000	Crimping tool	In tool case	without crimping dies, without locator	1
11147001	Crimping machine	Pneumatic, 5 - 10 bar	without crimping dies, without locator	1
11147170	Crimping dies	For crimping tools 11147000, 11147001	For contacts: H-D 1.6 stamped (0.14 - 0.5 mm²)	1
11147180	Crimping dies	For crimping tools 11147000, 11147001	For contacts: H-D 1.6 stamped (0.5 - 1.5 mm²), MC 2.5 stamped (0.5 - 1.5 mm²)	1
11147190	Crimping dies	For crimping tools 11147000, 11147001	For contacts: H-D 1.6 stamped (1.5 - 2.5 mm²), MC 2.5 stamped (1.5 - 2.5 mm²)	1
11147300	Locator		For contacts: H-D 1.6 machined, H-D 1.6 stamped	1
11161000	Removal tool		For contacts: H-D 1.6 machined, H-D 1.6 stamped	1

Photographs are not to scale and do not represent detailed images of the respective products.

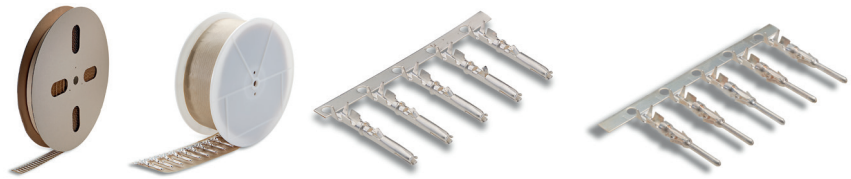
NEW

EPIC® H-D 1.6 stamped contacts-on-reel

For inserts and modules of the EPIC® rectangular connectors

Info

- Choice of high quality gold or silver plated contacts
- For automated production with crimping machine
- 2 crimp areas for wire and insulation crimp



Suitable tools

- Crimping tool for single contacts refer to main catalogue
- Crimping dies for single contacts refer to main catalogue
- Locator refer to main catalogue
- Removal tool refer to main catalogue

Technical data

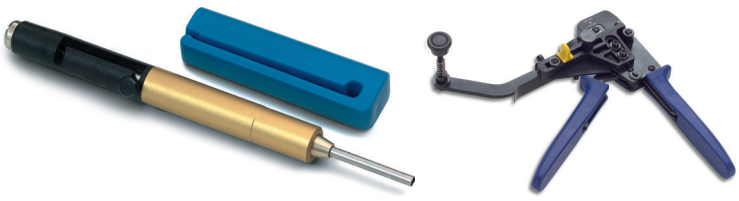
Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm²)	Surface	Stripping length (mm)	Note	Pieces / PU
Contacts							
11240700	H-D SCBG AG 0.14-0.5 200 LI	male	0.14 - 0.50	Ag	2.5 + 0.5	1 reel (PU) = 200 contacts	1
11230700	H-D BCBG AG 0.14-0.5 200 LI	female	0.14 - 0.50	Ag	2.5 + 0.5	1 reel (PU) = 200 contacts	1
11240400	H-D SCBG AG 0.14-0.5 2000 LI	male	0.14 - 0.50	Ag	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11230400	H-D BCBG AG 0.14-0.5 2000 LI	female	0.14 - 0.50	Ag	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11240000	H-D SCBG AG 0.14-0.5 2000 RE	male	0.14 - 0.50	Ag	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11230000	H-D BCBG AG 0.14-0.5 2000 RE	female	0.14 - 0.50	Ag	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11240500	H-D SCBG AU 0.14-0.5 2000 LI	male	0.14 - 0.50	Au	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11230500	H-D BCBG AU 0.14-0.5 2000 LI	female	0.14 - 0.50	Au	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11220700	H-D SCBG AG 0.5-1.5 200 LI	male	0.50 - 1.50	Ag	3.5 + 0.5	1 reel (PU) = 200 contacts	1
11235700	H-D BCBG AG 0.14-0.5 200 LI	female	0.50 - 1.50	Ag	3.5 + 0.5	1 reel (PU) = 200 contacts	1
11226000	H-D SCBG AG 0.5-1.5 2000 LI	male	0.50 - 1.50	Ag	3.5 + 0.5	1 reel (PU) = 2000 contacts	1
11226500	H-D BCBG AG 0.5-1.5 2000 LI	female	0.50 - 1.50	Ag	3.5 + 0.5	1 reel (PU) = 2000 contacts	1
11220000	H-D SCBG AG 0.5-1.5 2000 RE	male	0.50 - 1.50	Ag	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11235000	H-D BCBG AG 0.5-1.5 2000 RE	female	0.50 - 1.50	Ag	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11220100	H-D SCBG AU 0.5-1.5 2000 RE	male	0.50 - 1.50	Au	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11235200	H-D BCBG AG 0.5-1.5 200 LI	female	0.50 - 1.50	Au	2.5 + 0.5	1 reel (PU) = 2000 contacts	1
11223000	H-D SCBG AG 1.5-2.5 100 LI	male	1.50 - 2.50	Ag	3.5 + 0.5	1 reel (PU) = 100 contacts	1
11228000	H-D BCBG AG 1.5-2.5 100 LI	female	1.50 - 2.50	Ag	3.5 + 0.5	1 reel (PU) = 100 contacts	1
11222700	H-D SCBG AG 1.5-2.5 2000 LI	male	1.50 - 2.50	Ag	3.5 + 0.5	1 reel (PU) = 2000 contacts	1
11227700	H-D BCBG AG 1.5-2.5 2000 LI	female	1.50 - 2.50	Ag	3.5 + 0.5	1 reel (PU) = 2000 contacts	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts-on-reel H-D 1.6 stamped

For inserts and modules of the EPIC® rectangular connectors



Article number	Article description	Version	Note	Pieces / PU
EPIC® Tools for contacts-on-reel H-D 1.6 stamped				
11153500	Crimping tool	In tool case	Without crimping dies	1
11153600	Crimping dies	For crimping tool 11153500	For ribbon contacts: H-D 1.6 stamped (0.14 - 0.5 mm²)	1
11153700	Crimping dies	For crimping tool 11153500	For ribbon contacts: H-D 1.6 stamped (0.5 - 1.5 mm²), MC 2.5 stamped (0.5 - 1.5 mm²)	1
11153800	Crimping dies	For crimping tool 11153500	For ribbon contacts: H-D 1.6 stamped (1.5 - 2.5 mm²), MC 2.5 stamped (1.5 - 2.5 mm²)	1
11161000	Removal tool		For contacts: H-D 1.6 machined, H-D 1.6 stamped	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-BE 2.5 machined contacts

For inserts and modules of the EPIC® rectangular connectors





Info

- Choice of high quality gold or silver plated contacts

Suitable tools

- Pneumatic crimping machine for single contacts refer to main catalogue
- Crimping tool for single contacts refer to main catalogue
- Crimping dies for single contacts refer to main catalogue
- Locator refer to main catalogue
- Removal tool refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm²)	Cross-section ratio	Surface	Stripping length (mm)	Pieces / PU
Contacts							
11190000	H-BE 2.5 machined	male	0.50	0	Ag	7.4	100
11195000	H-BE 2.5 machined	female	0.50	0	Ag	7.4	100
11190100	H-BE 2.5 machined	male	0.75 - 1.00	1	Ag	7.4	100
11195100	H-BE 2.5 machined	female	0.75 - 1.00	1	Ag	7.4	100
11190200	H-BE 2.5 machined	male	1.50	2	Ag	7.4	100
11195200	H-BE 2.5 machined	female	1.50	2	Ag	7.4	100
11190300	H-BE 2.5 machined	male	2.50	3	Ag	7.4	100
11195300	H-BE 2.5 machined	female	2.50	3	Ag	7.4	100
11190400	H-BE 2.5 machined	male	4.00	0	Ag	7.4	100
11195400	H-BE 2.5 machined	female	4.00	0	Ag	7.4	100
Contacts							
11190301	H-BE 2.5 machined	male	0.14 - 0.37	2	Au	7.4	100
11190302	H-BE 2.5 machined	female	0.14 - 0.37	2	Au	7.4	100
11192000	H-BE 2.5 machined	male	0.50	0	Au	7.4	100
11197000	H-BE 2.5 machined	female	0.50	0	Au	7.4	100
11192100	H-BE 2.5 machined	male	0.75 - 1.00	1	Au	7.4	100
11197100	H-BE 2.5 machined	female	0.75 - 1.00	1	Au	7.4	100
11192200	H-BE 2.5 machined	male	1.50	2	Au	7.4	100
11197200	H-BE 2.5 machined	female	1.50	2	Au	7.4	100

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts H-BE 2.5 machined

For inserts and modules of the EPIC® rectangular connectors



11147001









Product features

- Locator and crimping dies fit together with the crimping tool 11147000 and the crimping machine 11147001

Article number	Article description	Version	Note	Pieces / PU
Tools				
11147000	Crimping tool	In tool case	without crimping dies, without locator	1
11147001	Crimping machine	Pneumatic, 5 - 10 bar	without crimping dies, without locator	1
11147100	Crimping dies	For crimping tools 11147000, 11147001	For contacts: H-D 1.6 machined, H-BE 2.5 machined, MC 2.5 machined	1
11147200	Locator	For crimping tools 11147000, 11147001	For contacts: H-D 1.6 machined, H-BE machined, MC 2.5 machined, MC 2.5 stamped	1
11182500	Removal tool		For contacts: H-BE 2.5 machined	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® MC 2.5 machined contacts

For inserts and modules of the EPIC® rectangular connectors

Info

- Choice of high quality gold or silver plated contacts



Suitable tools

- Pneumatic crimping machine for single contacts refer to main catalogue
- Crimping tool for single contacts refer to main catalogue
- Crimping dies for single contacts refer to main catalogue
- Locator refer to main catalogue
- Removal tool refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Version	Contact type	Conductor cross-section (mm²)	Cross-section ratio	Surface	Stripping length (mm)	Pieces / PU
Contacts								
1121300C	MC 2.5 machined	male		0.50		Ag	7.8	100
1121800C	MC 2.5 machined		female	0.50		Ag	7.8	100
1121310C	MC 2.5 machined	male		1.00	1	Ag	7.8	100
1121810C	MC 2.5 machined		female	1.00	1	Ag	7.8	100
1121320C	MC 2.5 machined	male		1.50	2	Ag	7.8	100
1121820C	MC 2.5 machined		female	1.50	2	Ag	7.8	100
1121330C	MC 2.5 machined	male		2.50	3	Ag	7.8	100
1121830C	MC 2.5 machined		female	2.50	3	Ag	7.8	100
1121340C	MC 2.5 machined	male		4.00		Ag	7.8	100
1121840C	MC 2.5 machined		female	4.00		Ag	7.8	100

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts MC 2.5 machined

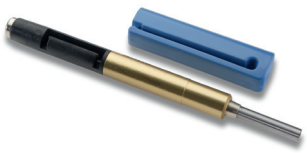
For inserts and modules of the EPIC® rectangular connectors


11147001









Product features

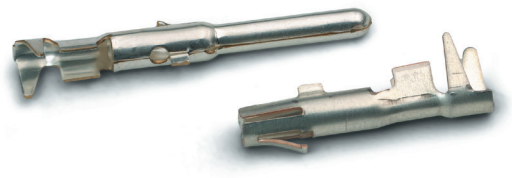
- Locator and crimping dies fit together with the crimping tool 11147000 and the crimping machine 11147001

Article number	Article description	Version	Note	Pieces / PU
Tools				
11147000	Crimping tool	In tool case	without crimping dies, without locator	1
11147001	Crimping machine	Pneumatic, 5 - 10 bar	without crimping dies, without locator	1
11147100	Crimping dies	For crimping tools 11147000, 11147001	For contacts: H-D 1.6 machined, H-BE 2.5 machined, MC 2.5 machined	1
11147200	Locator	For crimping tools 11147000, 11147001	For contacts: H-D 1.6 machined, H-BE machined, MC 2.5 machined, MC 2.5 stamped	1
11171000	Removal tool		For contacts: MC 2.5 machined	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® MC 2.5 stamped contacts

For inserts and modules of the EPIC® rectangular connectors



Info

- Choice of high quality gold or silver plated contacts
- 2 crimp areas for wire and insulation crimp

Suitable tools

- Pneumatic crimping machine for single contacts refer to main catalogue
- Crimping tool for single contacts refer to main catalogue
- Crimping dies for single contacts refer to main catalogue
- Locator refer to main catalogue
- Removal tool refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm²)	Surface	Stripping length (mm)	Pieces / PU
Contacts						
11201000	MC 2.5 stamped	male	0.50 - 1.50	Ag	3.5 + 0.5	100
11205000	MC 2.5 stamped	female	0.50 - 1.50	Ag	3.5 + 0.5	100
11202000	MC 2.5 stamped	male	1.50 - 2.50	Ag	3.5 + 0.5	100
11206000	MC 2.5 stamped	female	1.50 - 2.50	Ag	3.5 + 0.5	100

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts MC 2.5 stamped

For inserts and modules of the EPIC® rectangular connectors


11147001









Product features

- Locator and crimping dies fit together with the crimping tool 11147000 and the crimping machine 11147001

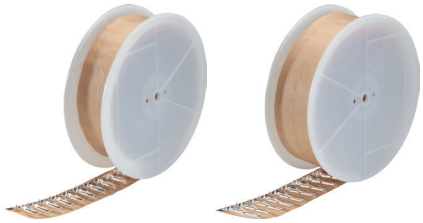
Article number	Article description	Version	Note	Pieces / PU
Tools				
11147000	Crimping tool	In tool case	without crimping dies, without locator	1
11147001	Crimping machine	Pneumatic, 5 - 10 bar	without crimping dies, without locator	1
11147180	Crimping dies	For crimping tools 11147000, 11147001	For contacts: H-D 1.6 stamped (0.5 - 1.5 mm²), MC 2.5 stamped (0.5 - 1.5 mm²)	1
11147190	Crimping dies	For crimping tools 11147000, 11147001	For contacts: H-D 1.6 stamped (1.5 - 2.5 mm²), MC 2.5 stamped (1.5 - 2.5 mm²)	1
11147300	Locator		For contacts: H-D 1.6 machined, H-D 1.6 stamped	1
11160000	Removal tool		For contacts: MC 2.5 stamped	1

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® MC 2.5 stamped contacts-on-reel

For inserts and modules of the EPIC® rectangular connectors



Info

- Choice of high quality gold or silver plated contacts
- For automated production with crimping machine
- 2 crimp areas for wire and insulation crimp

Suitable tools

- Crimping tool for single contacts refer to main catalogue
- Crimping dies for single contacts refer to main catalogue
- Locator refer to main catalogue
- Removal tool refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm²)	Surface	Stripping length (mm)	Note	Pieces / PU
Contacts							
11208000	MC SCBG AG 0.5-1.5 200 LI	male	0.50 - 1.50	Ag	3.5 + 0.5	1 reel (PU) = 200 contacts	1
11209000	MC BCBG AG 0.5-1.5 200 LI	female	0.50 - 1.50	Ag	3.5 + 0.5	1 reel (PU) = 200 contacts	1
11208500	H-D SCBG AG 1.5-2.5 100 LI	male	1.50 - 2.50	Ag	3.5 + 0.5	1 reel (PU) = 100 contacts	1
11209500	MC BCBG AG 1.5-2.5 100 LI	female	1.50 - 2.50	Ag	3.5 + 0.5	1 reel (PU) = 100 contacts	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts-on-reel MC 2.5 stamped

For inserts and modules of the EPIC® rectangular connectors



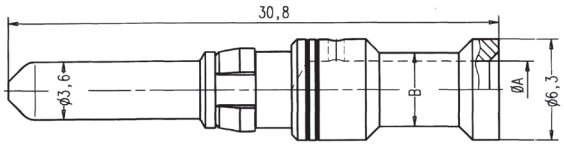
Article number	Article description	Version	Note	Pieces / PU
EPIC® Tools for contacts-on-reel MC 2.5 stamped				
11153500	Crimping tool	In tool case	Without crimping dies	1
11153700	Crimping dies	For crimping tool 11153500	For ribbon contacts: H-D 1.6 stamped (0.5 - 1.5 mm²), MC 2.5 stamped (0.5 - 1.5 mm²)	1
11153800	Crimping dies	For crimping tool 11153500	For ribbon contacts: H-D 1.6 stamped (1.5 - 2.5 mm²), MC 2.5 stamped (1.5 - 2.5 mm²)	1
11160000	Removal tool		For contacts: MC 2.5 stamped	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Modular 3.6 machined contacts

For inserts and modules of the EPIC® rectangular connectors





Info

- Silver plated and passivated contacts

Suitable tools

- Pneumatic crimping machine for single contacts refer to main catalogue
- Crimping tool for single contacts refer to main catalogue
- Crimping dies for single contacts refer to main catalogue
- Locator refer to main catalogue
- Removal tool refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Contact type	Conductor cross-section (mm²)	Surface	Stripping length (mm)	Pieces / PU
Contacts						
1121070C	MC 3.6 machined	male	1.50	Ag	10.0	100
1121570C	MC 3.6 machined	female	1.50	Ag	10.0	100
1121060C	MC 3.6 machined	male	2.50	Ag	10.0	100
1121560C	MC 3.6 machined	female	2.50	Ag	10.0	100
1121000C	MC 3.6 machined	male	4.00	Ag	10.0	100
1121500C	MC 3.6 machined	female	4.00	Ag	10.0	100
1121010C	MC 3.6 machined	male	6.00	Ag	10.0	100
1121510C	MC 3.6 machined	female	6.00	Ag	10.0	100
1121020C	MC 3.6 machined	male	10.00	Ag	10.0	100
1121520C	MC 3.6 machined	female	10.00	Ag	10.0	100

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts MC 3.6 machined

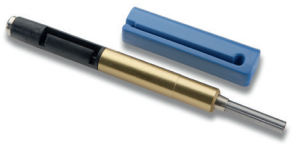
For inserts and modules of the EPIC® rectangular connectors


11147001









Product features

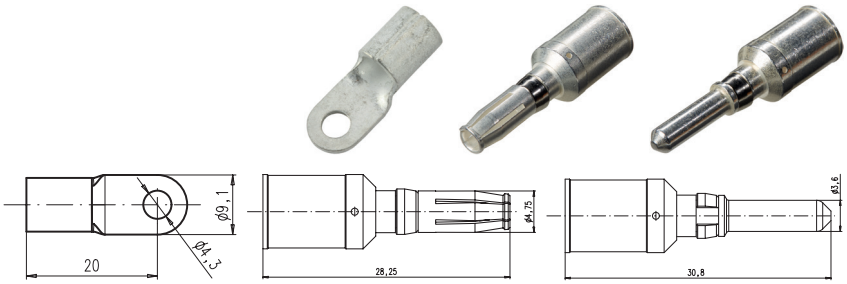
- Locator and crimping dies fit together with the crimping tool 11147000 and the crimping machine 11147001

Article number	Article description	Version	Note	Pieces / PU
Tools				
11147000	Crimping tool	In tool case	without crimping dies, without locator	1
11147001	Crimping machine	Pneumatic, 5 - 10 bar	without crimping dies, without locator	1
11147110	Crimping dies	For crimping tools 11147000, 11147001	For contacts: MC 3.6 machined (1.5 - 2.5 mm²)	1
11147120	Crimping dies	For crimping tools 11147000, 11147001	For contacts: MC 3.6 machined (4.0 - 10 mm²)	1
11147210	Locator	For crimping tools 11147000, 11147001	For contacts: MC 3.6 machined	1
11171100	Removal tool		For contacts: MC 3.6 machined	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Modular 3.6 machined contacts 16 mm²

For inserts and modules of the EPIC® rectangular connectors



Info

- Crimping contact for power modules
- Silver plated and passivated contacts

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Contact resistance
< 1 mOhm

Contacts
Copper alloy, hard silver-plated

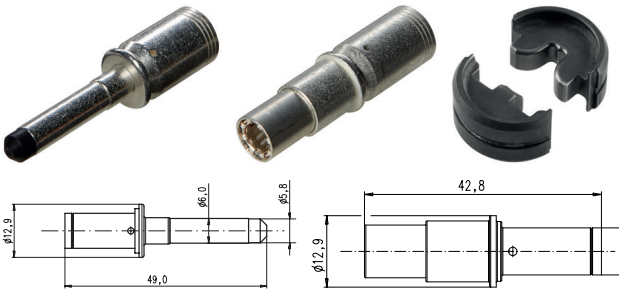
Cycle of mechanical operation
500

Article number	Article description	Inserts	Version	Cross-section (mm²)	Surface	Pieces / PU
Contacts						
44424014	EPIC® Modular SCEM AG 16 D=3.6	Crimping contacts for HC2 modules	male	16	Ag	20
44424015	EPIC® Modular BCEM AG 16 D=3.6	Crimping contacts for HC2 modules	female	16	Ag	20
Ring lug for Protection earth						
44424029	EPIC® KB 16-4R	Ring cable lug to connect a 16mm² protective wire to the module frame	Ringlug	16		10
Crimping die for contacts of HC2 modules						
11147111	EPIC® TOOL DIE D=3.6/16 mm²	Crimping dies		16		1

Photographs are not to scale and do not represent detailed images of the respective products.

Modular 6.0 machined contacts

For inserts and modules of the EPIC® rectangular connectors



Info

- Silver plated and passivated contacts

Suitable tools

- For use in battery hydraulic crimping tool Klauke type EK 60/22-L

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Contact resistance
< 1 mOhm

Material
Copper alloy, hard silver-plated

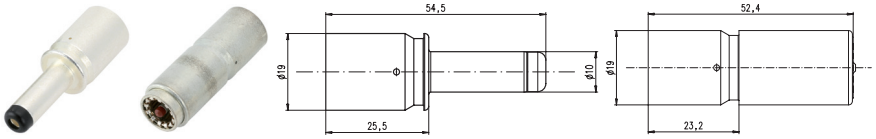
Cycle of mechanical operation
500

Article number	Article description	Inserts	Version	Cross-section (mm²)	Cross-section ratio	Surface	Pieces / PU
Contacts							
44424019	Modular SCEM AG 16 D=6.0	Crimping contacts for HHC2 modules	male	16	1	Ag	20
44424022	Modular BCEM AG 16 D=6.0	Crimping contacts for HHC2 modules	female	16	1	Ag	20
44424020	Modular SCEM AG 25 D=6.0	Crimping contacts for HHC2 modules	male	25	2	Ag	20
44424023	Modular BCEM AG 25 D=6.0	Crimping contacts for HHC2 modules	female	25	2	Ag	20
44424021	Modular SCEM AG 35 D=6.0	Crimping contacts for HHC2 modules	male	35	3	Ag	20
44424024	Modular BCEM AG 35 D=6.0	Crimping contacts for HHC2 modules	female	35	3	Ag	20
Crimping die for contacts of HHC2 modules							
44424025	TOOL DIE D=6.0/16 mm²	Crimping dies		16			1
44424026	TOOL DIE D=6.0/25 mm²	Crimping dies		25			1
44424027	TOOL DIE D=6.0/35 mm²	Crimping dies		35			1

* Trade product, no Lapp product
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Modular 10.0 machined contacts

For inserts and modules of the EPIC® rectangular connectors



Info

- Crimping contacts for maximum cross sections and currents
- Silver plated and passivated contacts

Suitable tools

- For use in battery hydraulic crimping tool Klauke type EK 120/42-L

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Contact resistance
< 1 mOhm

Material
Copper alloy, hard silver-plated

Cycle of mechanical operation
500

Article number	Article description	Inserts	Version	Contact type	Cross-section (mm²)	Surface	Pieces / PU
Contacts							
44424032	Modular SCEM AG 50 D=10.0	Crimping contacts for HHC1 modules		male	50	Ag	1
44424035	Modular BCEM AG 50 D=10.0	Crimping contacts for HHC1 modules	female	female	50	Ag	1
44424033	Modular SCEM AG 70 D=10.0	Crimping contacts for HHC1 modules	male	male	70	Ag	1
44424036	Modular BCEM AG 70 D=10.0	Crimping contacts for HHC1 modules	female	female	70	Ag	1
44424034	Modular SCEM AG 95 D=10.0	Crimping contacts for HHC1 modules	male	male	95	Ag	1
44424037	Modular BCEM AG 95 D=10.0	Crimping contacts for HHC1 modules	female	female	95	Ag	1
Crimping die for contacts of HHC1 modules							
44424038	TOOL DIE D=10.0/50 mm²	Crimping dies			50		1
44424039	TOOL DIE D=10.0/70 mm²	Crimping dies			70		1
44424040	TOOL DIE D=10.0/95 mm²	Crimping dies			95		1

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® MC Coax-Contacts

For inserts and modules of the EPIC® rectangular connectors



Info

- Selection between 50 and 75 ohms contacts
- All contacts are high quality gold plated

Product features

- Solder termination: the inner conductor and the outer sleeve of the COAX cable are terminated by soldering

Suitable cables

- UNITRONIC® VIDEO FLAT refer to main catalogue
- UNITRONIC® VIDEO RL BK refer to main catalogue
- UNITRONIC® Combi cable refer to main catalogue

Suitable tools

- Pneumatic crimping machine for single contacts refer to main catalogue
- Crimping tool for single contacts refer to main catalogue
- Crimping dies for single contacts refer to main catalogue
- Locator refer to main catalogue
- Removal tool refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Article number	Article description	Contact type	Surface	For cable type	Pieces / PU
Solder termination					
44429018	EPIC® MC SLEM 50Ohm RG58CU	male	Au	RG 58 CU	10
44429017	EPIC® MC BLEM 50Ohm RG58CU	female	Au	RG 58 CU	10
44429020	EPIC® MC SLEM 75Ohm RG180BU	male	Au	RG 180 BU	10
44429019	EPIC® MC BLEM 75Ohm RG180BU	female	Au	RG 180 BU	10
44429022	EPIC® MC SLEM 75Ohm RG187AU	male	Au	RG 187 AU	10
44429021	EPIC® MC BLEM 75Ohm RG187AU	female	Au	RG 187 AU	10
Solder/crimp termination					
11214200	MC SLEM COAX MALE	male	Au	RG 58	1
11219200	MC BLEM COAX FEMALE	female	Au	RG 58	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Tools for contacts MC Coax

For inserts and modules of the EPIC® rectangular connectors







11147001

Product features

- Locator and crimping dies fit together with the crimping tool 11147000 and the crimping machine 11147001

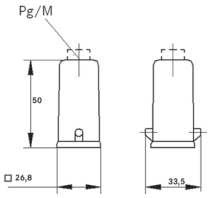
Article number	Article description	Version	Note	Pieces / PU
Tools				
11147000	Crimping tool	In tool case	without crimping dies, without locator	1
11147001	Crimping machine	Pneumatic, 5 - 10 bar	without crimping dies, without locator	1
11147130	Crimping dies	For crimping tools 11147000, 11147001	For coax-contacts 11214200, 11219200	1
11171100	Removal tool		For contacts: MC 3.6 machined	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-A 3 MTG

Innovative metal and plastic housing design





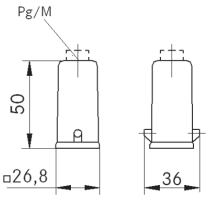
Info

- Small, rugged metal housing
- Protection rating UL50E tested

EPIC® H-A 3 TG

Innovative metal and plastic housing design





Info

- Lightweight, chemically resistant plastic housing
- Protection rating UL50E tested

Benefits

- Housing in plastic or metal version. For power supply in the smallest possible space

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

- Hood
- Bolts for single lever
- Straight cable entry
- Versions with / without cable gland

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
EPIC® H-A 3 MTG
Housing: powder-coated zinc die-casting, grey
Lever: zinc-plated steel
EPIC® H-A 3 TG
Housing: grey thermoplastic, black
Lever: zinc-plated steel

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Material	Colour	Cable gland	Cable clamping range	Dimensions incl. cable gland	Pieces / PU
H-A housing: hood (straight cable entry)									
10512100	H-A 3 MTgv		11	Zinc die-casting	grey				10
10426500	H-A 3 MTgv		11	Zinc die-casting	grey	yes	6.5 - 12.0	57	10
19512100	H-A 3 MTgv M20	20		Zinc die-casting	grey				10
19426500	H-A 3 MTgv M20	20		Zinc die-casting	grey	yes	3.0 - 13.5	57	10
EPIC® H-A 3 TG									
10425500	H-A 3 Tgv		11	Thermoplastic	black				10
10426000	H-A 3 Tgv		11	Thermoplastic	grey				10
10426700	H-A 3 Tgv		11	Thermoplastic	black	yes	6.5 - 12.0	62	10
10426400	H-A 3 Tgv		11	Thermoplastic	grey	yes	6.5 - 12.0	62	10
19425500	H-A 3 Tgv M20	20		Thermoplastic	black				10
19426000	H-A 3 Tgv M20	20		Thermoplastic	grey				10

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

EPIC® H-A 3 MTG

- EPIC® Protective cover H-A 3 refer to page 184
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue

EPIC® H-A 3 TG

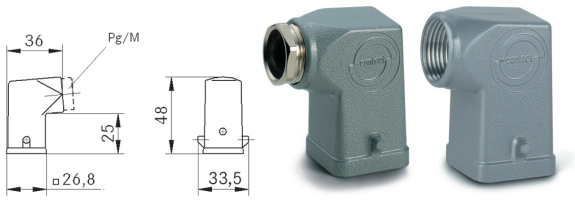
- EPIC® Protective cover H-A 3 refer to page 184
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue

EPIC® H-A 3 MTS

Innovative metal and plastic housing design

Info

- Small, rugged metal housing
- Protection rating UL50E tested

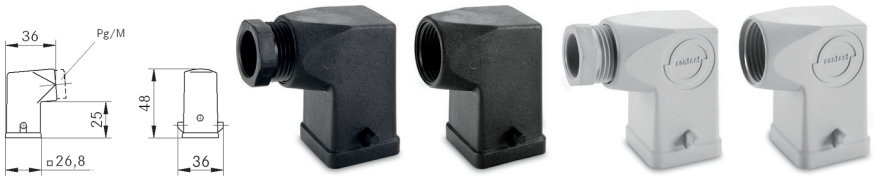


EPIC® H-A 3 TS

Innovative metal and plastic housing design

Info

- Lightweight, chemically resistant plastic housing
- Protection rating UL50E tested



Benefits

- Housing in plastic or metal version. For power supply in the smallest possible space

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

- Hood
- Bolts for single lever
- Side cable entry
- Versions with / without cable gland

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
EPIC® H-A 3 MTS
Housing: powder-coated zinc die-casting, grey
Lever: zinc-plated steel
EPIC® H-A 3 TS
Housing: grey thermoplastic, black
Lever: zinc-plated steel

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Material	Colour	Cable gland	Cable clamping range	Dimensions incl. cable gland	Pieces / PU
H-A housing: hood (side cable entry)									
10512300	H-A 3 MTs		11	Zinc die-casting	grey				10
10427500	H-A 3 MTs		11	Zinc die-casting	grey	yes	6.5 - 12.0	43	10
19512300	H-A 3 Ts M20	20		Zinc die-casting	grey				10
19427500	H-A 3 Ts M20	20		Zinc die-casting	grey	yes	3.0 - 13.5	43	10
EPIC® H-A 3 TS									
10427300	H-A 3 Ts		11	Thermoplastic	black				10
10427000	H-A 3 Ts		11	Thermoplastic	grey				10
10620600	H-A 3 Ts		11	Thermoplastic	black	yes	6.5 - 12.0	48	10
10427100	H-A 3 Ts		11	Thermoplastic	grey	yes	6.5 - 12.0	48	10
19427300	H-A 3 Ts M20	20		Thermoplastic	black				10
19427000	H-A 3 Ts M20	20		Thermoplastic	grey				10

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

EPIC® H-A 3 MTS

- EPIC® Protective cover H-A 3 refer to page 184
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue

EPIC® H-A 3 TS

- EPIC® Protective cover H-A 3 refer to page 184
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue

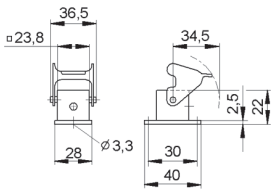
EPIC® H-A 3 AG

Innovative metal and plastic housing design









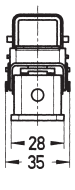
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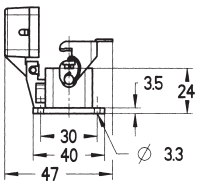
- Lightweight, chemically resistant plastic housing
- Protection rating UL50E tested

EPIC® H-A 3 MAGD

Innovative metal and plastic housing design





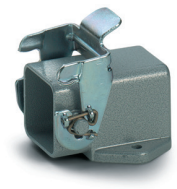


Info

- Metal lid with sturdy hinge
- Protection rating UL50E tested

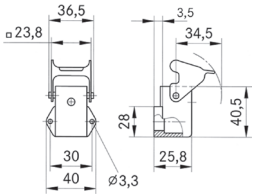
EPIC® H-A 3 AGS

Innovative metal and plastic housing design









Info

- Lightweight, chemically resistant plastic housing
- Protection rating UL50E tested

Benefits

- Housing in plastic or metal version. For power supply in the smallest possible space

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 3 AG
- Panel-mount base
- 1 lever
- Included: flat gasket

EPIC® H-A 3 MAGD
- Panel-mount base
- 1 lever
- Metal cover
- Included: flat gasket

EPIC® H-A 3 AGS
- Panel-mount base
- 1 lever
- Angled version
- Included: flat gasket

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
EPIC® H-A 3 AG
Housing: powder-coated zinc die-casting, grey
Lever: zinc-plated steel
Sealing: NBR
Housing: grey thermoplastic, black
Lever: zinc-plated steel
Sealing: NBR
EPIC® H-A 3 MAGD
Housing: powder-coated zinc die-casting, grey
Lever: zinc-plated steel
Sealing: NBR
Metal cover
EPIC® H-A 3 AGS
Housing: powder-coated zinc die-casting, grey
Lever: zinc-plated steel
Sealing: NBR
Housing: grey thermoplastic, black
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
EPIC® H-A 3 AG
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770
EPIC® H-A 3 MAGD
UL-tested:
UL File Number: E75770
EPIC® H-A 3 AGS
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	Colour	Material	Pieces / PU
H-A housing: panel-mount base (straight)				
10422500	H-A 3 Mag	grey	Zinc die-casting	10
10422200	H-A 3 Ag	black	Thermoplastic	10
10422000	H-A 3 Ag	grey	Thermoplastic	10
H-A housing: panel-mount base with cover (with sealing, for female inserts)				
44429015	H-A 3 MAGD	grey	Aluninium die-casting	10
H-A housing: panel-mount base (angled)				
10423500	H-A 3 Mags	grey	Zinc die-casting	10
10423100	H-A 3 Ags	black	Thermoplastic	10
10423000	H-A 3 Ags	grey	Thermoplastic	10

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® Protective cover H-A 3 refer to page 184

EPIC® H-A 3 AGSV

Innovative metal and plastic housing design

Info

- Lightweight, chemically resistant plastic housing
- Protection rating UL50E tested



EPIC® H-A 3 AGSV open bottom

Innovative metal and plastic housing design

Info

- Lightweight, chemically resistant plastic housing
- Protection rating UL50E tested



Benefits

- Housing in plastic or metal version. For power supply in the smallest possible space

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 3 AGSV

- Surface-mount base
- 1 lever
- 1 cable entry
- Versions with / without cable gland

EPIC® H-A 3 AGSV open bottom

- Surface-mount base
- 1 lever
- 2 cable entries
- Housing type: with open base
- Included: flat gasket

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated zinc die-casting, grey
Lever: zinc-plated steel
Sealing: NBR
Housing: grey thermoplastic, black
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Material	Colour	Cable gland	Cable clamping range	Dimensions incl. cable gland	Pieces / PU
H-A housing: surface-mount base									
10512700	H-A 3 MAgsv		11	Zinc die-casting	grey			51.5	10
10424000	H-A 3 Agsv		11	Thermoplastic	grey			56	10
10424500	H-A 3 MAgsv		11	Zinc die-casting	grey	yes	6.5 - 12.0	57.5	10
10424200	H-A 3 Agsv		11	Thermoplastic	grey	yes	6.5 - 12.0	65	10
19512700	H-A 3 MAgsv M20	20		Zinc die-casting	grey			54.5	10
19421900	H-A 3 Agsv M20	20		Thermoplastic	grey	yes	3.0 - 13.5	56	10
19424500	H-A 3 MAgsv M20	20		Zinc die-casting	grey	yes	3.0 - 13.5	60.5	10
H-A housing: surface-mount base (with open base)									
19517200	H-A 3 MAgsv M20	20		Zinc die-casting	grey				10
19515200	H-A 3 Agsv M20	20		Thermoplastic	grey				10

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

EPIC® H-A 3 AGSV

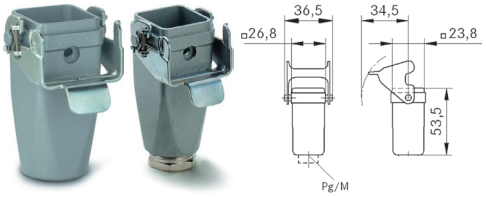
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® ST refer to main catalogue
- SKINTOP® ST-M refer to main catalogue
- EPIC® Protective cover H-A refer to page 184

EPIC® H-A 3 AGSV open bottom

- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® ST refer to main catalogue
- SKINTOP® ST-M refer to main catalogue
- EPIC® Protective cover H-A refer to page 184

EPIC® H-A 3 MTGVB

Innovative metal and plastic housing design



Info

- Small, rugged metal housing
- Protection rating UL50E tested

EPIC® H-A 3 TGVB

Innovative metal and plastic housing design



Info

- Lightweight, chemically resistant plastic housing
- Protection rating UL50E tested

Benefits

- Housing in plastic or metal version. For power supply in the smallest possible space

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

- Cable coupler hood
- 1 lever
- Straight cable entry
- Versions with / without cable gland

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
EPIC® H-A 3 MTGVB
Housing: powder-coated zinc die-casting, grey
Lever: zinc-plated steel
EPIC® H-A 3 TGVB
Housing: grey thermoplastic, black
Lever: zinc-plated steel

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Material	Colour	Cable gland	Cable clamping range	Dimensions incl. cable gland	Pieces / PU
H-A housing: cable coupler hood (straight cable entry)									
10512900	H-A 3 MTgvb		11	Zinc die-casting	grey				10
10429500	H-A 3 MTgvb		11	Zinc die-casting	grey	yes	6.5 - 12.0	60	10
19512900	H-A 3 MTgvb M20	20		Zinc die-casting	grey				10
EPIC® H-A 3 TGVB									
10429200	H-A 3 Tgvb		11	Thermoplastic	black				10
10429000	H-A 3 Tgvb		11	Thermoplastic	grey				10
10620300	H-A 3 Tgvb		11	Thermoplastic	black	yes	6.5 - 12.0	65	10
10429100	H-A 3 Tgvb		11	Thermoplastic	grey	yes	6.5 - 12.0	65	10
19429200	H-A 3 Tgvb M20	20		Thermoplastic	black				10
19429000	H-A 3 Tgvb M20	20		Thermoplastic	grey				10

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

EPIC® H-A 3 MTGVB

- EPIC® Protective cover H-A 3 refer to page 184
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue

EPIC® H-A 3 TGVB

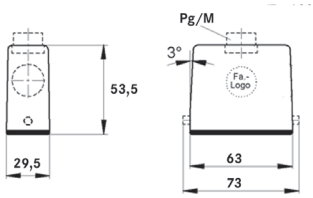
- EPIC® Protective cover H-A 3 refer to page 184
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue

EPIC® H-A 10 TG

These connectors are attractive because of their compact housing.

Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested



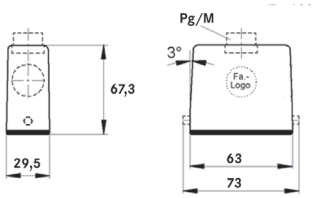


EPIC® H-A 10 TGH

These connectors are attractive because of their compact housing.

Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested





Benefits

- Small and space-saving for narrow available space

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 10 TG

- Hood, low version
- Bolts for single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-A 10 TGH

- Hood, high version
- Bolts for single lever
- Straight cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-A housing: hood (straight cable entry, bolts for single lever)					
10446000	H-A 10 TG 13,5		13.5	yes	5
10446100	H-A 10 TG 16		16	yes	5
19446000	H-A 10 TG M20	20			5
19446100	H-A 10 TG M25	25			5
10456100					
H-A housing: hood (straight cable entry, bolts for single lever, high version)					
70460200	H-A 10 TGH 16		16	yes	5
70460400	H-A 10 TGH 21		21	yes	5
79460200	H-A 10 TGH M20	20			5
79460400	H-A 10 TGH M25	25			5

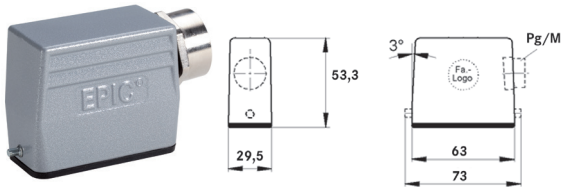
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® for industrial connectors refer to main catalogue
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue
- EPIC® Protective cover H-A refer to page 184

EPIC® H-A 10 TS

These connectors are attractive because of their compact housing.

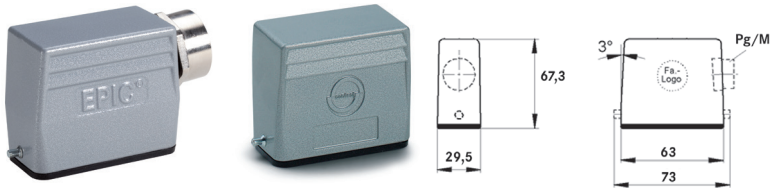


Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested

EPIC® H-A 10 TSH

These connectors are attractive because of their compact housing.



Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested

Benefits

- Small and space-saving for narrow available space

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 10 TS

- Hood, low version
- Bolts for single lever
- Side cable entry
- Versions with neck

EPIC® H-A 10 TSH

- Hood, high version
- Bolts for single lever
- Side cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Neck	Pieces / PU
H-A housing: hood (side cable entry, bolts for single lever)					
10445000	H-A 10 TS 16		16	yes	5
10445500	H-A 10 TS 21		21	yes	5
19445000	H-A 10 TS M20	20		yes	5
19445500	H-A 10 TS M25	25		yes	5
H-A housing: hood (side cable entry, bolts for single lever, high version)					
70462200	H-A 10 TSH 16		16	yes	5
70462400	H-A 10 TSH 21		21	yes	5
79462200	H-A 10 TSH M20	20			5
79462400	H-A 10 TSH M25	25			5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

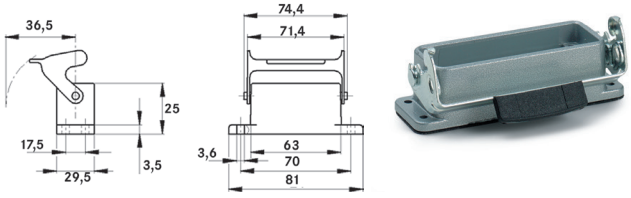
- SKINTOP® for industrial connectors refer to main catalogue
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue
- EPIC® Protective cover H-A refer to page 184

EPIC® H-A 10 AG-LB

These connectors are attractive because of their compact housing.

Info

- Protection rating UL50E tested

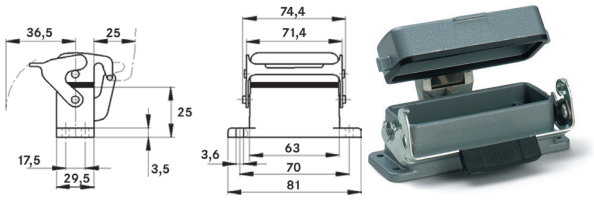


EPIC® H-A 10 AD-LB

These connectors are attractive because of their compact housing.

Info

- Metal lid with sturdy hinge
- Protection rating UL50E tested



Benefits

- Small and space-saving for narrow available space

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 10 AG-LB

- Panel-mount base
- Single lever
- Included: flat gasket

EPIC® H-A 10 AD-LB

- Panel-mount base
- Single lever
- Metal cover
- Included: flat gasket

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	Pieces / PU
H-A housing: panel-mount base (single lever)		
10442000	H-A 10 AG-LB	5
H-A housing: panel-mount base (cover, single lever)		
70444000	H-A 10 AD-LB	5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

EPIC® H-A 10 AG-LB

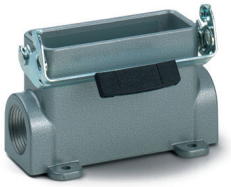
- EPIC® Protective cover H-A refer to page 184

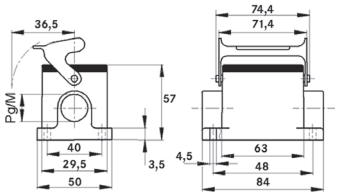
EPIC® H-A 10 AD-LB

- EPIC® Protective cover H-A refer to page 184

EPIC® H-A 10 SGR-LB

These connectors are attractive because of their compact housing.



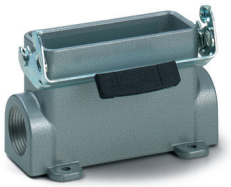


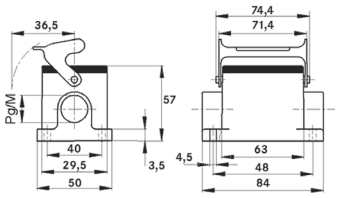
Info

- Protection rating UL50E tested

EPIC® H-A 10 SGRL-LB

These connectors are attractive because of their compact housing.





Info

- For easy introduction of two cables
- Protection rating UL50E tested

Benefits

- Small and space-saving for narrow available space

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 10 SGR-LB

- Surface-mount base
- Single lever
- 1 cable entry

EPIC® H-A 10 SGRL-LB

- Surface-mount base
- Single lever
- 2 cable entries

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-A housing: surface-mount base (1 cable entry, single lever)				
10448100	H-A 10 SGR-LB 16		16	5
10448000	H-A 10 SGR-LB 21		21	5
19448100	H-A 10 SGR-LB M20	20		5
19448000	H-A 10 SGR-LB M25	25		5
H-A housing: surface-mount base (2 cable entries, single lever)				
10450100	H-A 10 SGRL-LB 16		16	5
19450100	H-A 10 SGRL-LB M20	20		5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

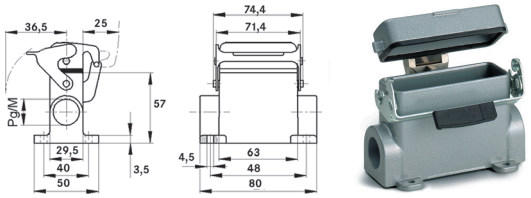
- SKINTOP® for industrial connectors refer to main catalogue
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue
- EPIC® Protective cover H-A refer to page 184

EPIC® H-A 10 SDR-LB

These connectors are attractive because of their compact housing.

Info

- Metal lid with sturdy hinge
- Protection rating UL50E tested

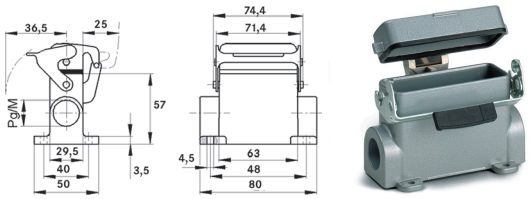


EPIC® H-A 10 SDRL-LB

These connectors are attractive because of their compact housing.

Info

- Metal lid with sturdy hinge
- For easy introduction of two cables
- Protection rating UL50E tested



Benefits

- Small and space-saving for narrow available space

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 10 SDR-LB

- Surface-mount base
- Single lever
- 1 cable entry
- Metal cover

EPIC® H-A 10 SDRL-LB

- Surface-mount base
- Single lever
- 2 cable entries
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-A housing: surface-mount base (cover, 1 cable entry, single lever)				
70455200	H-A 10 SDR-LB 16		16	5
70455400	H-A 10 SDR-LB 21		21	5
79455200	H-A 10 SDR-LB M20	20		5
79455400	H-A 10 SDR-LB M25	25		5
H-A housing: surface-mount base (cover, 2 cable entries, single lever)				
70456200	H-A 10 SDRL-LB 16		16	5
70456400	H-A 10 SDRL-LB 21		21	5
79456200	H-A 10 SDRL-LB M20	20		5
79456400	H-A 10 SDRL-LB M25	25		5

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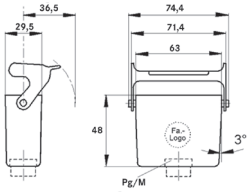
Accessories

- SKINTOP® for industrial connectors refer to main catalogue
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue
- EPIC® Protective cover H-A refer to page 184

EPIC® H-A 10 TBF-LB

These connectors are attractive because of their compact housing.





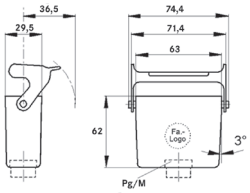
Info

- Protection rating UL50E tested

EPIC® H-A 10 TBFH-LB

These connectors are attractive because of their compact housing.





Info

- More interior space for wiring
- Protection rating UL50E tested

Benefits

- Small and space-saving for narrow available space

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 10 TBF-LB

- Cable coupler hood, low version
- Single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-A 10 TBFH-LB

- Cable coupler hood, high version
- Single lever
- Straight cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-A housing: cable coupler hood (straight cable entry, single lever)					
10439000	H-A 10 TBF-LB 13,5		13.5	yes	5
70450000	H-A 10 TBF-LB 16		16	yes	5
19439000	H-A 10 TBF-LB M20	20			5
79450000	H-A 10 TBF-LB M25	25			5
H-A housing: cable coupler hood (straight cable entry, single lever, high version)					
70450400	H-A 10 TBFH-LB 21		21	yes	5
79450400	H-A 10 TBFH-LB M25	25			5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

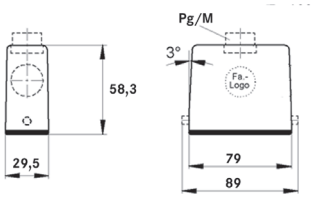
- SKINTOP® for industrial connectors refer to main catalogue
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue

EPIC® H-A 16 TG

These connectors are attractive because of their compact housing.

Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested



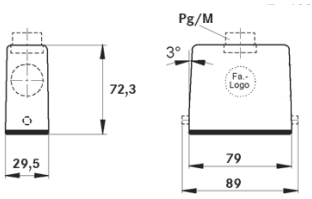


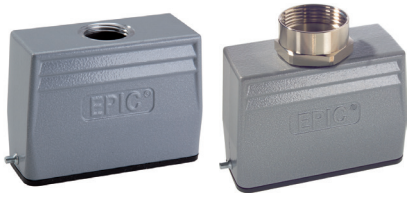
EPIC® H-A 16 TGH

These connectors are attractive because of their compact housing.

Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested





Benefits

- Small and compact, for applications with high number of contacts

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 16 TG

- Hood, low version
- Bolts for single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-A 16 TGH

- Hood, high version
- Bolts for single lever
- Straight cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-A housing: hood (straight cable entry, bolts for single lever)					
10565000	H-A 16 TG 16		16	yes	5
10565300	H-A 16 TG 21		21	yes	5
19565000	H-A 16 TG M20	20			5
19565300	H-A 16 TG M25	25			5
H-A housing: hood (straight cable entry, bolts for single lever, high version)					
70490200	H-A 16 TGH 16		16	yes	5
70490400	H-A 16 TGH 21		21	yes	5
79490200	H-A 16 TGH M20	20			5
79490400	H-A 16 TGH M25	25			5

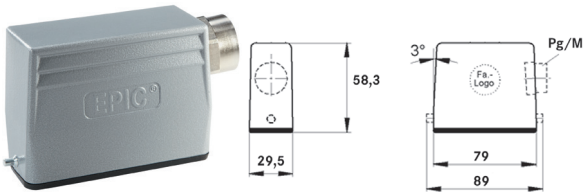
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® for industrial connectors refer to main catalogue
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue
- EPIC® Protective cover H-A refer to page 184

EPIC® H-A 16 TS

These connectors are attractive because of their compact housing.

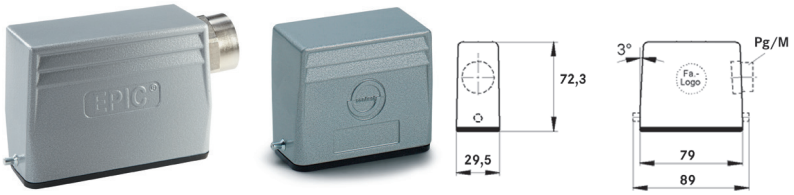


Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested

EPIC® H-A 16 TSH

These connectors are attractive because of their compact housing.



Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested

Benefits

- Small and compact, for applications with high number of contacts

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 16 TS

- Hood, low version
- Bolts for single lever
- Side cable entry
- Versions with neck

EPIC® H-A 16 TSH

- Hood, high version
- Bolts for single lever
- Side cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Neck	Pieces / PU
H-A housing: hood (side cable entry, bolts for single lever)					
10564000	H-A 16 TS 16		16	yes	5
10564500	H-A 16 TS 21		21	yes	5
19564000	H-A 16 TS M20	20		yes	5
19564500	H-A 16 TS M25	25		yes	5
H-A housing: hood (side cable entry, bolts for single lever, high version)					
70492200	H-A 16 TSH 16		16	yes	5
70492400	H-A 16 TSH 21		21	yes	5
79492200	H-A 16 TSH M20	20			5
79492400	H-A 16 TSH M25	25			5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

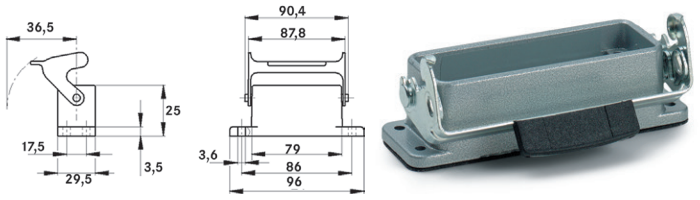
- SKINTOP® for industrial connectors refer to main catalogue
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue
- EPIC® Protective cover H-A refer to page 184

EPIC® H-A 16 AG-LB

These connectors are attractive because of their compact housing.

Info

- Protection rating UL50E tested

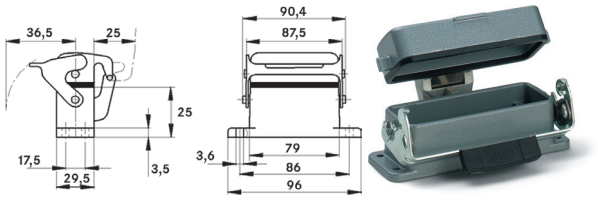


EPIC® H-A 16 AD-LB

These connectors are attractive because of their compact housing.

Info

- Metal lid with sturdy hinge
- Protection rating UL50E tested



Benefits

- Small and compact, for applications with high number of contacts

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 16 AG-LB

- Panel-mount base
- Single lever
- Included: flat gasket

EPIC® H-A 16 AD-LB

- Panel-mount base
- Single lever
- Metal cover
- Included: flat gasket

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	Pieces / PU
H-A housing: panel-mount base (single lever)		
10462000	H-A 16 AG-LB	5
H-A housing: panel-mount base (cover, single lever)		
70474000	H-A 16 AD-LB	5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

EPIC® H-A 16 AG-LB

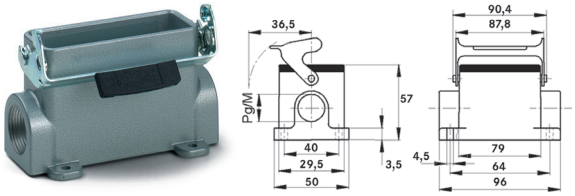
- EPIC® Flat gaskets for housings H-A and H-B refer to page 182
- EPIC® Protective cover H-A refer to page 184

EPIC® H-A 16 AD-LB

- EPIC® Flat gaskets for housings H-A and H-B refer to page 182

EPIC® H-A 16 SGR-LB

These connectors are attractive because of their compact housing.

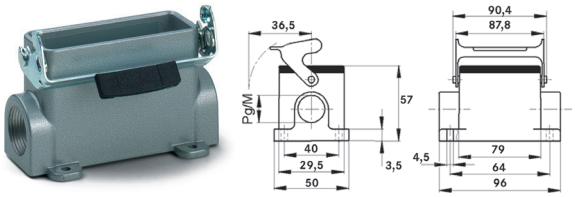


Info

- Protection rating UL50E tested

EPIC® H-A 16 SGRL-LB

These connectors are attractive because of their compact housing.



Info

- For easy introduction of two cables
- Protection rating UL50E tested

Benefits

- Small and compact, for applications with high number of contacts

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 16 SGR-LB

- Surface-mount base
- Single lever
- 1 cable entry

EPIC® H-A 16 SGRL-LB

- Surface-mount base
- Single lever
- 2 cable entries

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-A housing: surface-mount base (1 cable entry, single lever)				
10567100	H-A 16 SGR-LB 16		16	5
10567000	H-A 16 SGR-LB 21		21	5
19567100	H-A 16 SGR-LB M20	20		5
19567000	H-A 16 SGR-LB M25	25		5
H-A housing: surface-mount base (2 cable entries, single lever)				
10568100	H-A 16 SGRL-LB 16		16	5
10568000	H-A 16 SGRL-LB 21		21	5
19568100	H-A 16 SGRL-LB M20	20		5
19568000	H-A 16 SGRL-LB M25	25		5

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Accessories

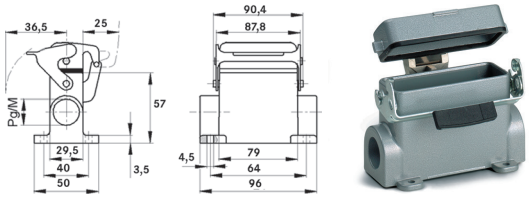
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- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue
- EPIC® Protective cover H-A refer to page 184

EPIC® H-A 16 SDR-LB

These connectors are attractive because of their compact housing.

Info

- Metal lid with sturdy hinge
- Protection rating UL50E tested

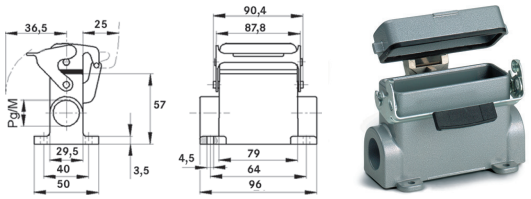


EPIC® H-A 16 SDRL-LB

These connectors are attractive because of their compact housing.

Info

- Metal lid with sturdy hinge
- For easy introduction of two cables
- Protection rating UL50E tested



Benefits

- Small and compact, for applications with high number of contacts

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 16 SDR-LB

- Surface-mount base
- Single lever
- 1 cable entry
- Metal cover

EPIC® H-A 16 SDRL-LB

- Surface-mount base
- Single lever
- 2 cable entries
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-A housing: surface-mount base (cover, 1 cable entry, single lever)				
70485200	H-A 16 SDR-LB 16		16	5
70485400	H-A 16 SDR-LB 21		21	5
79485200	H-A 16 SDR-LB M20	20		5
79485400	H-A 16 SDR-LB M25	25		5
H-A housing: surface-mount base (cover, 2 cable entries, single lever)				
70486200	H-A 16 SDRL-LB 16		16	5
70486400	H-A 16 SDRL-LB 21		21	5
79486400	H-A 16 SDRL-LB M25	25		5

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Accessories

EPIC® H-A 16 SDR-LB

- SKINTOP® for industrial connectors refer to main catalogue
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue

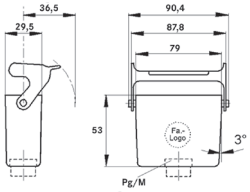
EPIC® H-A 16 SDRL-LB

- SKINTOP® for industrial connectors refer to main catalogue
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue

EPIC® H-A 16 TBF-LB

These connectors are attractive because of their compact housing.





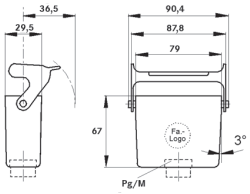
Info

- Protection rating UL50E tested

EPIC® H-A 16 TBFH-LB

These connectors are attractive because of their compact housing.





Info

- More interior space for wiring
- Protection rating UL50E tested

Benefits

- Small and compact, for applications with high number of contacts

Application range

- Machine and equipment manufacturing
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 16 TBF-LB

- Cable coupler hood, low version
- Single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-A 16 TBFH-LB

- Cable coupler hood, high version
- Single lever
- Straight cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-A housing: cable coupler hood (straight cable entry, single lever)					
10563000	H-A 16 TBF-LB 16		16	yes	5
19563000	H-A 16 TBF-LB M20	20			5
19563200	H-A 16 TBF-LB M25	25			5
H-A housing: cable coupler hood (straight cable entry, single lever, high version)					
70480200	H-A 16 TBFH-LB 16		16	yes	5
70480400	H-A 16 TBFH-LB 21		21	yes	5
79480200	H-A 16 TBFH-LB M20	20			5
79480400	H-A 16 TBFH-LB M25	25			5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

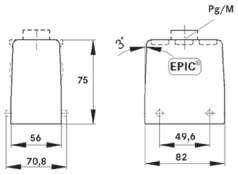
- SKINTOP® for industrial connectors refer to main catalogue
- SKINTOP® MS refer to main catalogue
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® MSR refer to main catalogue
- SKINTOP® MSR-M refer to main catalogue
- EPIC® Protective cover H-A refer to page 184

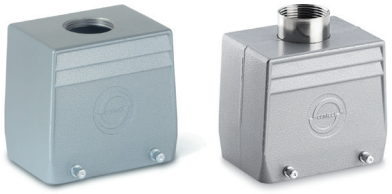
EPIC® H-A 32 TG

Rugged housings for 2 inserts

Info

- Compact, robust metal housings for double size H-A 32



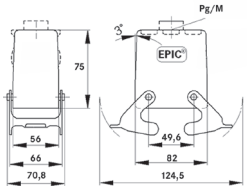


EPIC® H-A 32 TGB

Rugged housings for 2 inserts

Info

- Compact, robust metal housings for double size H-A 32





Benefits

- For two inserts of the small H-A, H-D and STA series. Space-saving

Application range

- Machine and equipment manufacturing
- Control engineering

Product features

EPIC® H-A 32 TG

- Hood
- Bolts for double lever
- Straight cable entry
- Versions with / without neck

EPIC® H-A 32 TGB

- Hood
- Dual levers
- Straight cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-A housing: hood (straight cable entry, bolts for double lever)					
10582000	H-A 32 TG 21		21	yes	5
10582001	H-A 32 TG 21		21		5
10583000	H-A 32 TG 29		29	yes	5
19582000	H-A 32 TG M25	25			5
19583000	H-A 32 TG M32	32			5
79520600	H-A 32 TG M40	40			5
H-A housing: hood (straight cable entry, double lever)					
10585000	H-A 32 TGB 29		29	yes	5
19585000	H-A 32 TGB M32	32			5
79525800	H-A 32 TGB M40	40			5

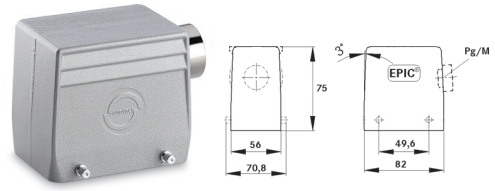
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-A 32 TS

Rugged housings for 2 inserts

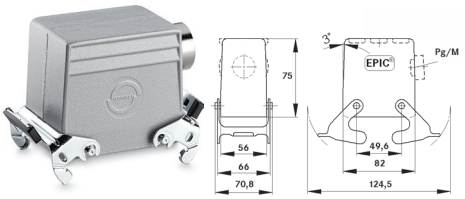


Info

- Compact, robust metal housings for double size H-A 32

EPIC® H-A 32 TSB

Rugged housings for 2 inserts



Info

- Compact, robust metal housings for double size H-A 32

Benefits

- For two inserts of the small H-A, H-D and STA series. Space-saving

Application range

- Machine and equipment manufacturing
- Control engineering

Product features

EPIC® H-A 32 TS

- Hood
- Bolts for double lever
- Side cable entry
- Versions with / without neck

EPIC® H-A 32 TSB

- Hood
- Dual levers
- Side cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-A housing: hood (side cable entry, bolts for double lever)					
10576000	H-A 32 TS 21		21	yes	5
10576200	H-A 32 TS 21		21		5
10577000	H-A 32 TS 29		29	yes	5
19576000	H-A 32 TS M25	25			5
19577000	H-A 32 TS M32	32			5
19577500	H-A 32 TS M40	40			5
H-A housing: hood (side cable entry, double lever)					
10578000	H-A 32 TSB 21		21	yes	5
10579000	H-A 32 TSB 29		29	yes	5
19578000	H-A 32 TSB M25	25			5
19579000	H-A 32 TSB M32	32			5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

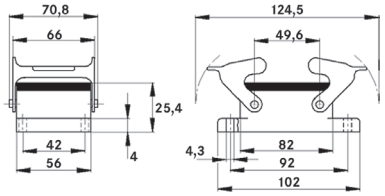
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-A 32 AG

Rugged housings for 2 inserts

Info

- Compact, robust metal housings for double size H-A 32



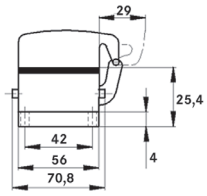


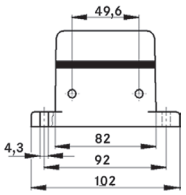
EPIC® H-A 32 AD-BO

Rugged housings for 2 inserts

Info

- Compact, robust metal housings for double size H-A 32







Benefits

- For two inserts of the small H-A, H-D and STA series. Space-saving

Application range

- Machine and equipment manufacturing
- Control engineering

Product features

EPIC® H-A 32 AG

- Panel-mount base
- Dual levers
- Included: flat gasket

EPIC® H-A 32 AD-BO

- Panel-mount base
- Bolts for double lever
- Metal cover
- Included: flat gasket

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)

VDE-tested
UL-tested:
UL File Number: E75770

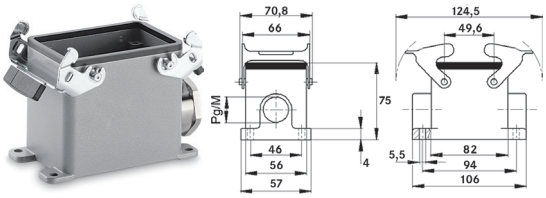
Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	Pieces / PU
H-A housing: panel-mount base (double lever)		
10472000	H-A 32 AG	5
H-A housing: panel-mount base (cover, bolts for double lever)		
70503000	H-A 32 AD-BO	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-A 32 SGR

Rugged housings for 2 inserts

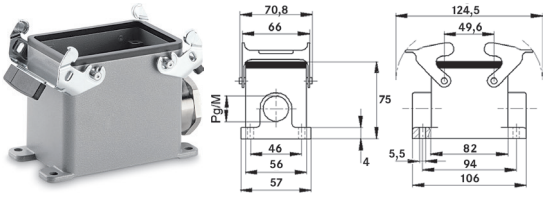


Info

- Compact, robust metal housings for double size H-A 32

EPIC® H-A 32 SGRL

Rugged housings for 2 inserts



Info

- Compact, robust metal housings for double size H-A 32

Benefits

- For two inserts of the small H-A, H-D and STA series. Space-saving

Application range

- Machine and equipment manufacturing
- Control engineering

Product features

EPIC® H-A 32 SGR

- Surface-mount base
- Dual levers
- 1 cable entry

EPIC® H-A 32 SGRL

- Surface-mount base
- Dual levers
- 2 cable entries

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-A housing: surface-mount base (1 cable entry, double lever)					
10474000	H-A 32 SGR 21		21	yes	5
10474100	H-A 32 SGR 29		29	yes	5
19474000	H-A 32 SGR M25	25		yes	5
19474100	H-A 32 SGR M32	32		yes	5
H-A housing: surface-mount base (2 cable entries, double lever)					
10482000	H-A 32 SGRL 21		21	yes	5
19482000	H-A 32 SGRL M25	25		yes	5
79506800	H-A 32 SGRL M40	40			5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

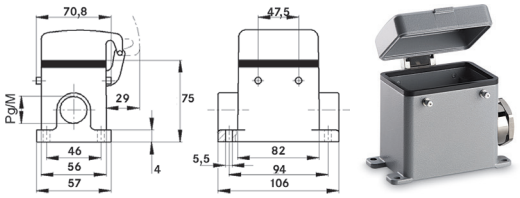
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-A 32 SDR-BO

Rugged housings for 2 inserts

Info

- Compact, robust metal housings for double size H-A 32

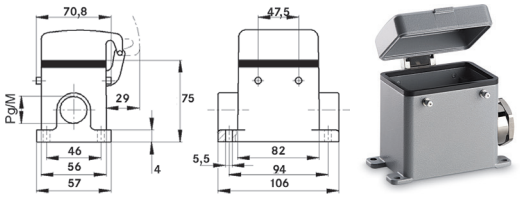


EPIC® H-A 32 SDRL-BO

Rugged housings for 2 inserts

Info

- Compact, robust metal housings for double size H-A 32



Benefits

- For two inserts of the small H-A, H-D and STA series. Space-saving

Application range

- Machine and equipment manufacturing
- Control engineering

Product features

EPIC® H-A 32 SDR-BO

- Surface-mount base
- Bolts for double lever
- 1 cable entry
- Metal cover

EPIC® H-A 32 SDRL-BO

- Surface-mount base
- Bolts for double lever
- 2 cable entries
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-A housing: surface-mount base (cover, 1 cable entry, bolts for double lever)					
70515200	H-A 32 SDR-BO 21		21	yes	5
70515400	H-A 32 SDR-BO 29		29	yes	5
79515200	H-A 32 SDR-BO M25			yes	5
79515400	H-A 32 SDR-BO M32			yes	5
H-A housing: surface-mount base (cover, 2 cable entries, bolts for double lever)					
70516200	H-A 32 SDRL-BO 21		21	yes	5
70516400	H-A 32 SDRL-BO 29		29	yes	5
79516200	H-A 32 SDRL-BO M25	25		yes	5
79516400	H-A 32 SDRL-BO M32	32		yes	5

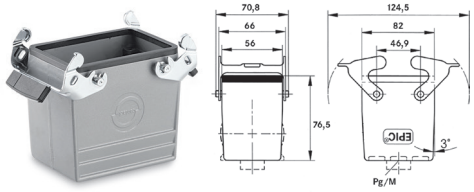
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-A 32 TBF

Rugged housings for 2 inserts



Info

- Compact, robust metal housings for double size H-A 32

Benefits

- For two inserts of the small H-A, H-D and STA series. Space-saving

Application range

- Machine and equipment manufacturing
- Control engineering

Product features

- Cable coupler hood
- Dual levers
- Straight cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-A housing: cable coupler hood (straight cable entry, double lever)					
10588000	H-A 32 TBF 21		21	yes	5
10588500	H-A 32 TBF 29		29	yes	5
19588000	H-A 32 TBF M25	25			5
19588500	H-A 32 TBF M32	32			5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

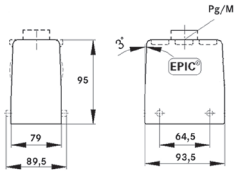
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-A 48 TG

Rugged housings for 3 inserts

Info

- Compact, robust metal housings for double size H-A 48



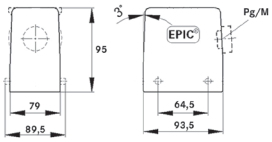


EPIC® H-A 48 TS

Rugged housings for 3 inserts

Info

- Compact, robust metal housings for double size H-A 48





Benefits

- Three different inserts, each suitable for housing type H-A 16, can be integrated in this housing. High flexibility

Application range

- Machine and equipment manufacturing
- Control engineering

Product features

EPIC® H-A 48 TG

- Hood
- Bolts for double lever
- Straight cable entry
- Versions with / without neck

EPIC® H-A 48 TS

- Hood
- Bolts for double lever
- Side cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-A housing: hood (straight cable entry, bolts for double lever)					
10631800	H-A 48 TG 29		29	yes	1
10631900	H-A 48 TG 29		29		1
19631800	H-A 48 TG M32	32			1
19636600	H-A 48 TG M40	40			1
H-A housing: hood (side cable entry, bolts for double lever)					
10630800	H-A 48 TS 29		29	yes	1
10630900	H-A 48 TS 29		29		1
19630800	H-A 48 TS M32	32			1
19635600	H-A 48 TS M40	40			1

Photographs are not to scale and do not represent detailed images of the respective products.

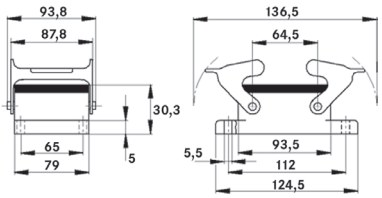
Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-A 48 AG

Rugged housings for 3 inserts





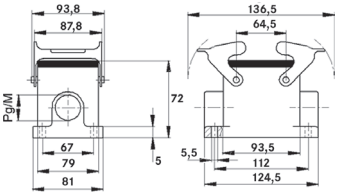
Info

- Compact, robust metal housings for double size H-A 48

EPIC® H-A 48 SGR

Rugged housings for 3 inserts





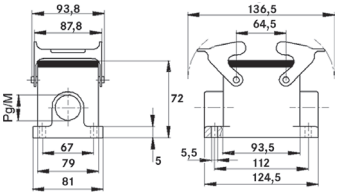
Info

- Compact, robust metal housings for double size H-A 48

EPIC® H-A 48 SGRL

Rugged housings for 3 inserts





Info

- Compact, robust metal housings for double size H-A 48

Benefits

- Three different inserts, each suitable for housing type H-A 16, can be integrated in this housing. High flexibility

Application range

- Machine and equipment manufacturing
- Control engineering

Product features

EPIC® H-A 48 AG

- Panel-mount base
- Dual levers
- Included: flat gasket

EPIC® H-A 48 SGR

- Surface-mount base
- Dual levers
- 1 cable entry

EPIC® H-A 48 SGRL

- Surface-mount base
- Dual levers
- 2 cable entries

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Article number	Article description	M	PG	Neck	Pieces / PU
H-A housing: panel-mount base (double lever)					
10625500	H-A 48 AG				1
H-A housing: surface-mount base (1 cable entry, double lever)					
10633800	H-A 48 SGR 29		29	yes	1
19633800	H-A 48 SGR M32	32		yes	1
19638600	H-A 48 SGR M40	40			1
H-A housing: surface-mount base (2 cable entries, double lever)					
19639600	H-A 48 SGRL M40	40			1

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

EPIC® H-A 48 SGR

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-A 48 SGRL

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® ULTRA H-A 3 TG

Housing EPIC® ULTRA: for higher functional reliability



Info

- EMC protection
- Corrosion-resistant
- Protection rating UL50E tested

EPIC® ULTRA H-A 3 TS

Housing EPIC® ULTRA: for higher functional reliability



Info

- EMC protection
- Corrosion-resistant
- Protection rating UL50E tested

EPIC® ULTRA H-A 3 TBF

Housing EPIC® ULTRA: for higher functional reliability



Info

- EMC protection
- Corrosion-resistant
- Protection rating UL50E tested

Benefits

- Optimum, low-resistance 360° screening
- All-purpose due to high corrosion resistance and high environmental protection.
- Space-saving due to compact dimensions
- High mechanical and chemical resistance

Application range

- In EMC-sensitive environments
- For fixed and flexible applications (e.g. machinery building, wind turbines)
- Construction machinery
- Electric motor manufacturing

Product features

- Pluggable with standard housings
- Resistance to cyclic salt spray is tested according to IEC 68-2-52, severity level 2
- Salt spray testing according to DIN EN ISO 9227, method NSS, period of test 480 hours
- Corrosion-resistant according to DIN EN 6988
- Delivery including stainless steel screw for the inserts

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: nickel-plated zinc diecasting
Lever: stainless steel
Sealing: NBR

Protection rating
IP 65
NEMA 250, UL50E: 12, 4, 4X (latched)

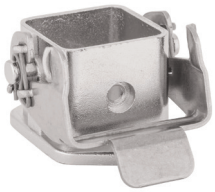
Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	Pieces / PU
EPIC® ULTRA H-A 3 TG			
10423300	ULTRA H-A 3 TG	20	10
EPIC® ULTRA H-A 3 TS			
10423201	ULTRA H-A 3 TS	20	10
EPIC® ULTRA H-A 3 TBF			
10423204	ULTRA H-A 3 TBF	20	10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® ULTRA H-A 3 AG

Housing EPIC® ULTRA: for higher functional reliability

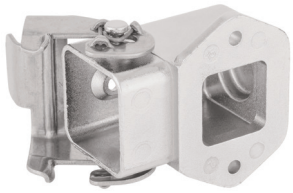


Info

- EMC protection
- Corrosion-resistant
- Protection rating UL50E tested

EPIC® ULTRA H-A 3 AGS

Housing EPIC® ULTRA: for higher functional reliability



Info

- EMC protection
- Corrosion-resistant
- Protection rating UL50E tested

EPIC® ULTRA H-A 3 AGSV

Housing EPIC® ULTRA: for higher functional reliability



Info

- EMC protection
- Corrosion-resistant
- Protection rating UL50E tested

Benefits

- Optimum, low-resistance 360° screening
- All-purpose due to high corrosion resistance and high environmental protection.
- Space-saving due to compact dimensions
- High mechanical and chemical resistance

Application range

- In EMC-sensitive environments
- For fixed and flexible applications (e.g. machinery building, wind turbines)
- Construction machinery
- Electric motor manufacturing

Product features

- Pluggable with standard housings
- Resistance to cyclic salt spray is tested according to IEC 68-2-52, severity level 2
- Salt spray testing according to DIN EN ISO 9227, method NSS, period of test 480 hours
- Corrosion-resistant according to DIN EN 6988
- Delivery including stainless steel screw for the inserts

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: nickel-plated zinc diecasting
Lever: stainless steel
Sealing: NBR

Protection rating
IP 65
NEMA 250, UL50E: 12, 4, 4X (latched)

Temperature range
-40°C to +100°C,
short-term up to +125°C

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Article number	Article description	M	
EPIC® ULTRA H-A 3 AG			
10423200	ULTRA H-A 3 AG		10
EPIC® ULTRA H-A 3 AGS			
10423202	ULTRA H-A 3 AGS		10
EPIC® ULTRA H-A 3 AGSV			
10423203	ULTRA H-A 3 AGSV	20	10

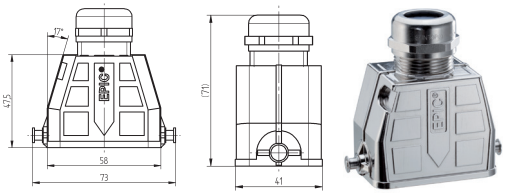
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® ULTRA H-B 6 TG LB

Housing EPIC® ULTRA: for higher functional reliability

Info

- EMC protection
- Corrosion-resistant
- SKINTOP® integrated cable gland

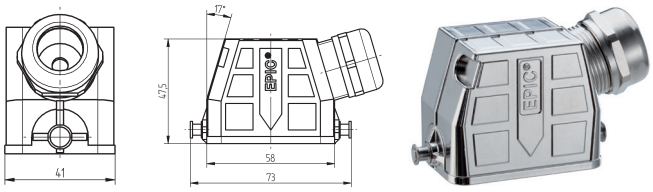


EPIC® ULTRA H-B 6 TS LB

Housing EPIC® ULTRA: for higher functional reliability

Info

- EMC protection
- Corrosion-resistant
- SKINTOP® integrated cable gland



Benefits

- Optimum, low-resistance 360° screening
- All-purpose due to high corrosion resistance and high environmental protection.
- Space-saving due to compact dimensions
- Faster than any other comparable system
- High mechanical resistance

Application range

- In EMC-sensitive environments
- For fixed and flexible applications (e.g. machinery building, wind turbines)
- Construction machinery
- Electric motor manufacturing

Product features

- Housings with the BRUSH addition come with BRUSH cable screen contacting
- Pluggable with standard housings
- Corrosion-resistant according to DIN EN 6988
- Resistance to cyclic salt spray is tested according to IEC 68-2-52, severity level 2
- Salt spray testing according to DIN EN ISO 9227, method NSS, period of test 480 hours

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: nickel-plated zinc die-casting
Lever and bolts: stainless steel
Sealing: NBR
Cable gland
Body: nickel-plated brass
Insert: PA
Seal: special elastomer

Protection rating
IP 65
NEMA 250, UL50E: 12, 4, 4X (latched)

Temperature range
-40 °C to +100 °C

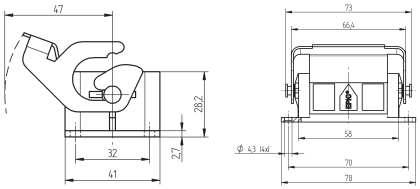
Article number	Article description	Clamping range in mm	Minimum Ø above braiding (mm)	Pieces / PU
H-B housing: hood (straight cable entry, bolts for single lever)				
70250200	ULTRA H-B 6 TG-LB 6-13	6 - 13		1
70250201	ULTRA H-B 6 TG-LB 9-17	9 - 17		1
70250202	ULTRA H-B 6 TG-LB 9-17 BRUSH	9 - 17	6	1
H-B housing: hood (side cable entry, bolts for single lever)				
70250203	ULTRA H-B 6 TS-LB 6-13	6 - 13		1
70250204	ULTRA H-B 6 TS-LB 9-17	9 - 17		1
70250205	ULTRA H-B 6 TS-LB 9-17 BRUSH	9 - 17	6	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® ULTRA H-B 6 AG LB

Housing EPIC® ULTRA: for higher functional reliability





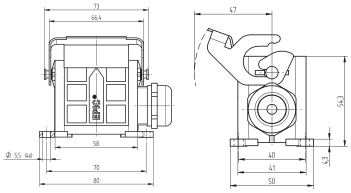
Info

- EMC protection
- Corrosion-resistant

EPIC® ULTRA H-B 6 SGR LB

Housing EPIC® ULTRA: for higher functional reliability





Info

- EMC protection
- Corrosion-resistant
- SKINTOP® integrated cable gland

Benefits

- Optimum, low-resistance 360° screening
- All-purpose due to high corrosion resistance and high environmental protection.
- Space-saving due to compact dimensions
- Faster than any other comparable system
- High mechanical resistance

Application range

- In EMC-sensitive environments
- For fixed and flexible applications (e.g. machinery building, wind turbines)
- Construction machinery
- Electric motor manufacturing

Product features

- Housings with the BRUSH addition come with BRUSH cable screen contacting
- Pluggable with standard housings
- Corrosion-resistant according to DIN EN 6988
- Resistance to cyclic salt spray is tested according to IEC 68-2-52, severity level 2
- Salt spray testing according to DIN EN ISO 9227, method NSS, period of test 480 hours

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: nickel-plated zinc die-casting
Lever and bolts: stainless steel
Sealing: NBR
Cable gland
Body: nickel-plated brass
Insert: PA
Seal: special elastomer

Protection rating
IP 65
NEMA 250, UL50E: 12, 4, 4X (latched)

Temperature range
-40°C to +100°C

Article number	Article description	Clamping range in mm	Minimum Ø above braiding (mm)	Pieces / PU
H-B housing: panel-mount base (single lever)				
70250206	ULTRA H-B 6 AG LB			1
H-B housing: surface-mount base (1 cable entry, single lever)				
70250207	ULTRA H-B 6 SGR LB 6-13	6 - 13		1
70250208	ULTRA H-B 6 SGR LB 9-17	9 - 17		1
70250209	ULTRA H-B 6 SGR LB 9-17 BRUSH	9 - 17	6	1

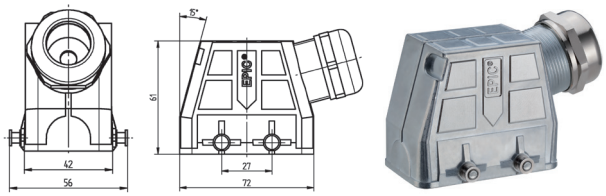
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® ULTRA H-B 10 TS QB

Housing EPIC® ULTRA: for higher functional reliability

Info

- EMC protection
- Corrosion-resistant
- SKINTOP® integrated cable gland

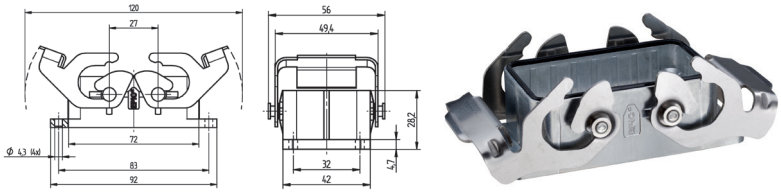


EPIC® ULTRA H-B 10 AG QB

Housing EPIC® ULTRA: for higher functional reliability

Info

- EMC protection
- Corrosion-resistant



Benefits

- Optimum, low-resistance 360° screening
- All-purpose due to high corrosion resistance and high environmental protection.
- Space-saving due to compact dimensions
- Faster than any other comparable system
- High mechanical resistance

Application range

- In EMC-sensitive environments
- For fixed and flexible applications (e.g. machinery building, wind turbines)
- Construction machinery
- Electric motor manufacturing

Product features

- Housings with the BRUSH addition come with BRUSH cable screen contacting
- Pluggable with standard housings
- Corrosion-resistant according to DIN EN 6988
- Resistance to cyclic salt spray is tested according to IEC 68-2-52, severity level 2
- Salt spray testing according to DIN EN ISO 9227, method NSS, period of test 480 hours

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: nickel-plated zinc die-casting
Lever and bolts: stainless steel
Sealing: NBR
Cable gland
Body: nickel-plated brass
Insert: PA
Seal: special elastomer

Protection rating
IP 68
NEMA 250, UL50E: 12, 4, 4X (latched)

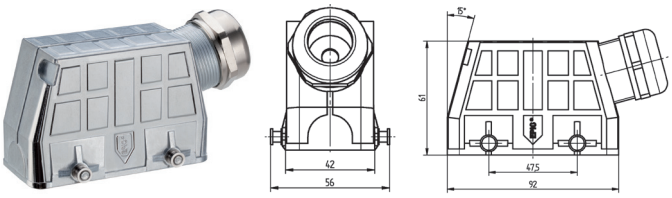
Temperature range
-40 °C to +100 °C

Article number	Article description	Clamping range in mm	Minimum Ø above braiding (mm)	Pieces / PU
H-B housing: hood (side cable entry, bolts for double lever)				
70250210	ULTRA H-B 10 TS QB 7-15	7 - 15		1
70250211	ULTRA H-B 10 TS QB 11-21	11 - 21		1
70250212	ULTRA H-B 10 TS QB 11-21 BRUSH	11 - 21	8	1
H-B housing: panel-mount base (double lever)				
70250213	ULTRA H-B 10 AG QB			1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® ULTRA H-B 16 TS QB

Housing EPIC® ULTRA: for higher functional reliability

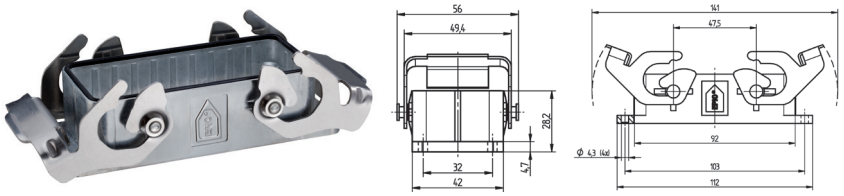


Info

- EMC protection
- Corrosion-resistant
- SKINTOP® integrated cable gland

EPIC® ULTRA H-B 16 AG QB

Housing EPIC® ULTRA: for higher functional reliability



Info

- EMC protection
- Corrosion-resistant

Benefits

- Optimum, low-resistance 360° screening
- All-purpose due to high corrosion resistance and high environmental protection.
- Space-saving due to compact dimensions
- Faster than any other comparable system
- High mechanical resistance

Application range

- Construction machinery
- In EMC-sensitive environments
- For fixed and flexible applications (e.g. machinery building, wind turbines)
- Electric motor manufacturing

Product features

- Housings with the BRUSH addition come with BRUSH cable screen contacting
- Pluggable with standard housings
- Corrosion-resistant according to DIN EN 6988
- Resistance to cyclic salt spray is tested according to IEC 68-2-52, severity level 2
- Salt spray testing according to DIN EN ISO 9227, method NSS, period of test 480 hours

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: nickel-plated zinc die-casting
Lever and bolts: stainless steel
Sealing: NBR
Cable gland
Body: nickel-plated brass
Insert: PA
Seal: special elastomer

Protection rating
IP 68
NEMA 250, UL50E: 12, 4, 4X (latched)

Temperature range
-40°C to +100°C

Article number	Article description	Clamping range in mm	Minimum Ø above braiding (mm)	Pieces / PU
H-B housing: hood (side cable entry, bolts for double lever)				
70250214	ULTRA H-B 16 TS QB 7-15	7 - 15		1
70250215	ULTRA H-B 16 TS QB 11-21	11 - 21		1
70250216	ULTRA H-B 16 TS QB 11-21 BRUSH	11 - 21	8	1
H-B housing: panel-mount base (double lever)				
70250217	ULTRA H-B 16 AG QB			1

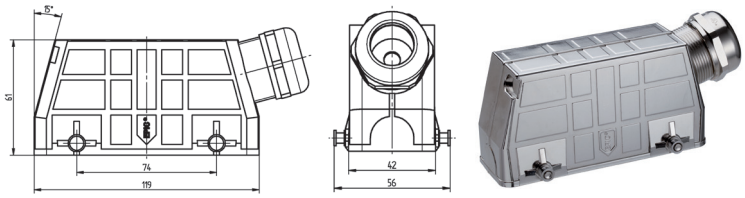
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® ULTRA H-B 24 TS QB

Housing EPIC® ULTRA: for higher functional reliability

Info

- EMC protection
- Corrosion-resistant
- SKINTOP® integrated cable gland

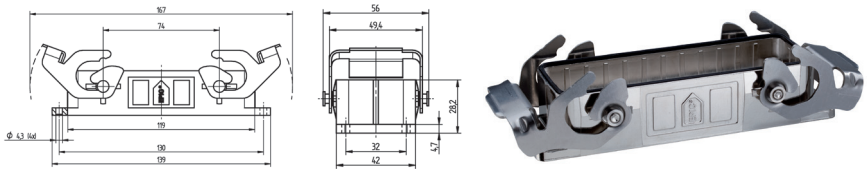


EPIC® ULTRA H-B 24 AG QB

Housing EPIC® ULTRA: for higher functional reliability

Info

- EMC protection
- Corrosion-resistant



Benefits

- Optimum, low-resistance 360° screening
- All-purpose due to high corrosion resistance and high environmental protection.
- Space-saving due to compact dimensions
- Faster than any other comparable system
- High mechanical resistance

Application range

- In EMC-sensitive environments
- For fixed and flexible applications (e.g. machinery building, wind turbines)
- Construction machinery
- Electric motor manufacturing

Product features

- Housings with the BRUSH addition come with BRUSH cable screen contacting
- Pluggable with standard housings
- Corrosion-resistant according to DIN EN 6988
- Resistance to cyclic salt spray is tested according to IEC 68-2-52, severity level 2
- Salt spray testing according to DIN EN ISO 9227, method NSS, period of test 480 hours

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: nickel-plated zinc die-casting
Lever and bolts: stainless steel
Sealing: NBR
Cable gland
Body: nickel-plated brass
Insert: PA
Seal: special elastomer

Protection rating
IP 65
NEMA 250, UL50E: 12 (latched)

Temperature range
-40°C to +100°C

Article number	Article description	Clamping range in mm	Minimum Ø above braiding (mm)	Pieces / PU
H-B housing: hood (side cable entry, bolts for double lever)				
70250219	ULTRA H-B 24 TS QB 7-15	7 - 15		1
70250220	ULTRA H-B 24 TS QB 11-21	11 - 21		1
70250221	ULTRA H-B 24 TS QB 11-21 BRUSH	11 - 21	8	1
H-B housing: panel-mount base (double lever)				
70250222	ULTRA H-B 24 AG QB			1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Protective cover H-B



Product features

- Protective cover for EPIC® ULTRA housings
- Without retaining cord
- Protective cover made of FDA approved material
- Protective cover for hoods with stainless steel levers and bolts

Technical data

Classification
ETIM 5.0 Class-ID: EC002314
ETIM 5.0 Class-Description: Cap for industrial connectors

Article number	Version	Bolts	Clamp	Pieces / PU
ULTRA Protective Cover for panel and surface mount bases				
70250250	for housing ULTRA H-B 6	2		1
70250251	for housing ULTRA H-B 10	4		1
70250252	for housing ULTRA H-B 16	4		1
70250253	for housing ULTRA H-B 24	4		1
ULTRA Protective Cover for hoods				
70250254	for housing ULTRA H-B 6		Single lever	1
70250255	for housing ULTRA H-B 10		Double Lever	1
70250256	for housing ULTRA H-B 16		Double Lever	1
70250257	for housing ULTRA H-B 24		Double Lever	1

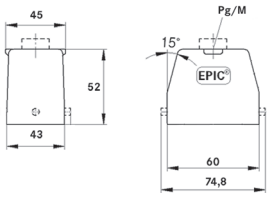
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 6 TG

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested



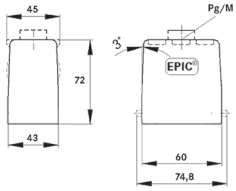


EPIC® H-B 6 TGH

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested





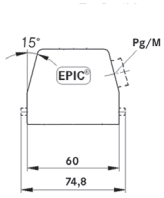
EPIC® H-B 6 TS

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested







Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Benefits

- The smallest housing out of the H-B series. For inserts with high electrical properties

Application range

- Plant engineering
- Control engineering
- Plastics industry

Product features

EPIC® H-B 6 TG
- Hood, low version
- Bolts for single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 6 TGH
- Hood, high version
- Bolts for single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 6 TS
- Hood, low version
- Bolts for single lever
- Side cable entry
- Versions with neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (straight cable entry, bolts for single lever)					
10011000	H-B 6 TG 13,5		13.5	yes	10
10021000	H-B 6 TG 16		16	yes	10
19011000	H-B 6 TG M20	20			10
19021000	H-B 6 TG M25	25			10
H-B housing: hood (straight cable entry, bolts for single lever, high version)					
70020200	H-B 6 TGH 21		21	yes	10
70020400	H-B 6 TGH 29		29	yes	10
79020200	H-B 6 TGH M25	25			10
79020400	H-B 6 TGH M32	32			10
H-B housing: hood (side cable entry, bolts for single lever)					
10012000	H-B 6 TS 13,5		13.5	yes	10
10022000	H-B 6 TS 16		16	yes	10
19012000	H-B 6 TS M20	20		yes	10
19022000	H-B 6 TS M25	25		yes	10

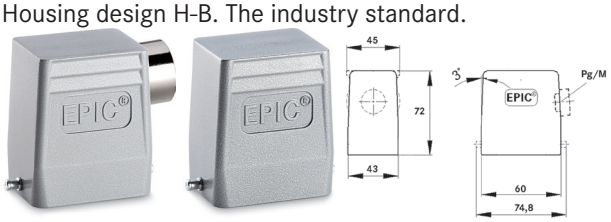
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 6 TSH

Housing design H-B. The industry standard.



Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested

EPIC® H-B 6 AG-LB

Housing design H-B. The industry standard.

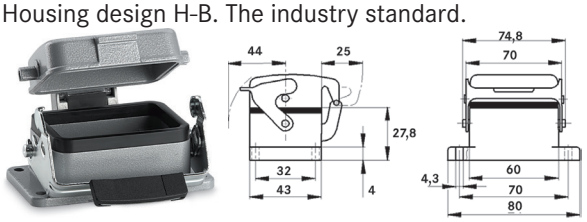


Info

- Protection rating UL50E tested

EPIC® H-B 6 AD-LB

Housing design H-B. The industry standard.



Info

- Metal lid with sturdy hinge
- Protection rating UL50E tested

Benefits

- The smallest housing out of the H-B series. For inserts with high electrical properties

Application range

- Plant engineering
- Control engineering
- Plastics industry

Product features

EPIC® H-B 6 TSH

- Hood, high version
- Bolts for single lever
- Side cable entry
- Versions with / without neck

EPIC® H-B 6 AG-LB

- Panel-mount base
- Single lever
- Included: flat gasket

EPIC® H-B 6 AD-LB

- Panel-mount base
- Single lever
- Metal cover
- Included: flat gasket

Suitable inserts

- Refer to Selection Table A 10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (side cable entry, bolts for single lever, high version)					
70022200	H-B 6 TSH 21		21	yes	10
70022400	H-B 6 TSH 29		29	yes	10
79022200	H-B 6 TSH M25	25			10
79022400	H-B 6 TSH M32	32			10
H-B housing: panel-mount base (single lever)					
10003000	H-B 6 AG-LB				10
H-B housing: panel-mount base (cover, single lever)					
10004000	H-B 6 AD-LB				10

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

EPIC® H-B 6 TSH

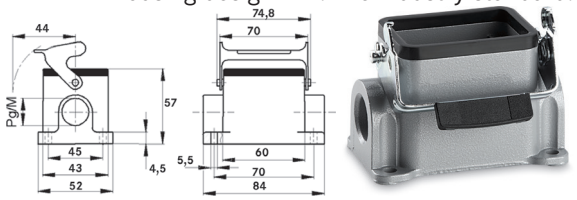
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 6 SGR-LB

Housing design H-B. The industry standard.

Info

- Protection rating UL50E tested

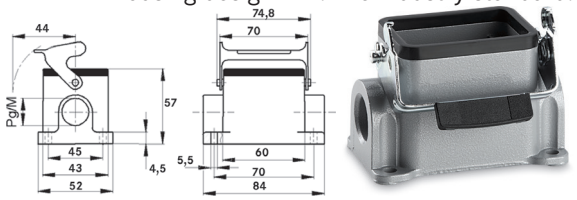


EPIC® H-B 6 SGRL-LB

Housing design H-B. The industry standard.

Info

- For easy introduction of two cables
- Protection rating UL50E tested

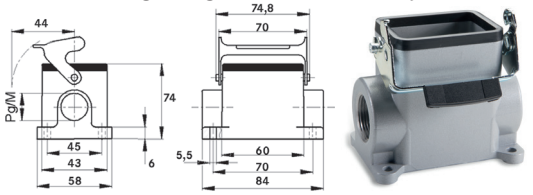


EPIC® H-B 6 SGRH-LB

Housing design H-B. The industry standard.

Info

- More interior space for wiring
- Protection rating UL50E tested



Benefits

- The smallest housing out of the H-B series. For inserts with high electrical properties

Application range

- Plant engineering
- Control engineering
- Plastics industry

Product features

EPIC® H-B 6 SGR-LB

- Surface-mount base, low version
- Single lever
- 1 cable entry

EPIC® H-B 6 SGRL-LB

- Surface-mount base, low version
- Single lever
- 2 cable entries

EPIC® H-B 6 SGRH-LB

- Surface-mount base, high version
- Single lever
- 1 cable entry

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (1 cable entry, single lever)				
10005000	H-B 6 SGR 16		16	10
19005000	H-B 6 SGR M20	20		10
79005600	H-B 6 SGR M25	25		10
H-B housing: surface-mount base (2 cable entries, single lever)				
10006000	H-B 6 SGRL 16		16	10
19006000	H-B 6 SGRL M20	20		10
79006600	H-B 6 SGRL M25	25		10
H-B housing: surface-mount base (1 cable entry, single lever, high version)				
70005200	H-B 6 SGRH-LB 21		21	10
70005400	H-B 6 SGRH-LB 29		29	10
79005200	H-B 6 SGRH-LB M25	25		10
79005400	H-B 6 SGRH-LB M32	32		10

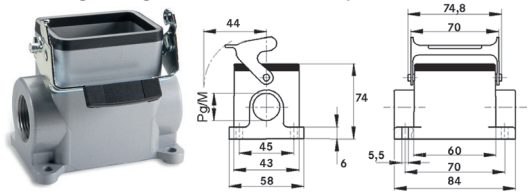
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 6 SGRLH-LB

Housing design H-B. The industry standard.

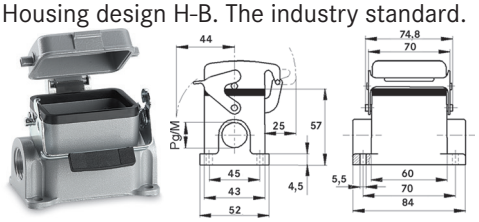


Info

- More interior space for wiring
- For easy introduction of two cables
- Protection rating UL50E tested

EPIC® H-B 6 SDR-LB

Housing design H-B. The industry standard.

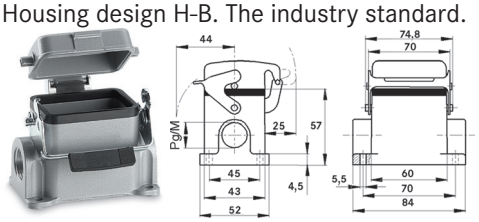


Info

- Metal lid with sturdy hinge
- Protection rating UL50E tested

EPIC® H-B 6 SDRL-LB

Housing design H-B. The industry standard.



Info

- Metal lid with sturdy hinge
- Metal lid with sturdy hinge
- Protection rating UL50E tested

Benefits

- The smallest housing out of the H-B series. For inserts with high electrical properties

Application range

- Plant engineering
- Control engineering
- Plastics industry

Product features

EPIC® H-B 6 SGRLH-LB

- Surface-mount base, high version
- Single lever
- 2 cable entries

EPIC® H-B 6 SDR-LB

- Surface-mount base, low version
- Single lever
- 1 cable entry
- Metal cover

EPIC® H-B 6 SDRL-LB

- Surface-mount base, low version
- Single lever
- 2 cable entries
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (2 cable entries, single lever, high version)				
70006200	H-B 6 SGRLH 21		21	10
79006200	H-B 6 SGRLH M25	25		10
79006400	H-B 6 SGRLH M32	32		10
H-B housing: surface-mount base (cover, 1 cable entry, single lever)				
10007000	H-B 6 SDR 16		16	10
19007000	H-B 6 SDR M20	20		10
79015600	H-B 6 SDR M25	25		10
H-B housing: surface-mount base (cover, 2 cable entries, single lever)				
10009000	H-B 6 SDRL-LB 16		16	10
19009000	H-B 6 SDRL-LB M20	20		10
79016600	H-B 6 SDRL-LB M25	25		10

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Accessories

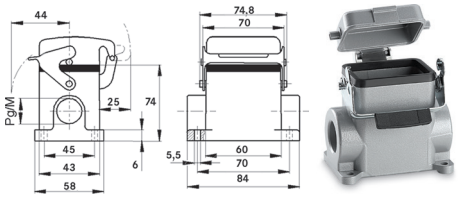
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 6 SDRH-LB

Housing design H-B. The industry standard.

Info

- More interior space for wiring
- Metal lid with sturdy hinge
- Protection rating UL50E tested

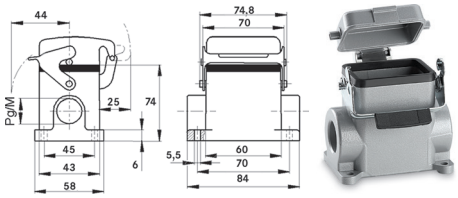


EPIC® H-B 6 SDRLH-LB

Housing design H-B. The industry standard.

Info

- More interior space for wiring
- Metal lid with sturdy hinge
- Protection rating UL50E tested



Benefits

- The smallest housing out of the H-B series. For inserts with high electrical properties

Application range

- Plant engineering
- Control engineering
- Plastics industry

Product features

EPIC® H-B 6 SDRH-LB

- Surface-mount base, high version
- Single lever
- 1 cable entry
- Metal cover

EPIC® H-B 6 SDRLH-LB

- Surface-mount base, high version
- Single lever
- 2 cable entries
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (cover, 1 cable entry, single lever, high version)				
70015200	H-B 6 SDRH-LB 21		21	10
79015200	H-B 6 SDRH-LB M25	25		10
79015400	H-B 6 SDRH-LB M32	32		10
H-B housing: surface-mount base (cover, 2 cable entries, single lever, high version)				
70016200	H-B 6 SDRLH-LB 21		21	10
79016200	H-B 6 SDRLH-LB M25	25		10
79016400	H-B 6 SDRLH-LB M32	32		10

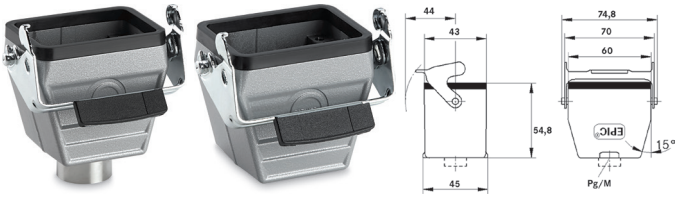
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 6 TBF-LB

Housing design H-B. The industry standard.

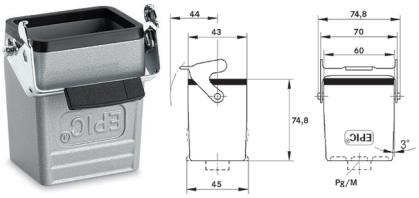


Info

- Protection rating UL50E tested

EPIC® H-B 6 TBFH-LB

Housing design H-B. The industry standard.



Info

- More interior space for wiring
- Protection rating UL50E tested

Benefits

- The smallest housing out of the H-B series. For inserts with high electrical properties

Application range

- Plant engineering
- Control engineering
- Plastics industry

Product features

EPIC® H-B 6 TBF-LB

- Cable coupler hood, low version
- Single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 6 TBFH-LB

- Cable coupler hood, high version
- Single lever
- Straight cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: cable coupler hood (1 straight cable entry, single lever)					
10014000	H-B 6 TBF 13,5		13.5	yes	10
10024000	H-B 6 TBF 16		16	yes	10
19014000	H-B 6 TBF M20	20			10
19024000	H-B 6 TBF M25	25			10
H-B housing: cable coupler hood (1 straight cable entry, single lever, high version)					
70010200	H-B 6 TBFH 21		21	yes	10
70010400	H-B 6 TBFH 29		29	yes	10
79010200	H-B 6 TBFH M25	25			10

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Accessories

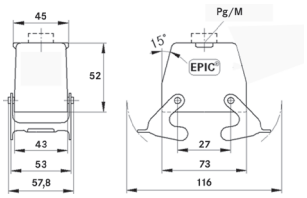
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

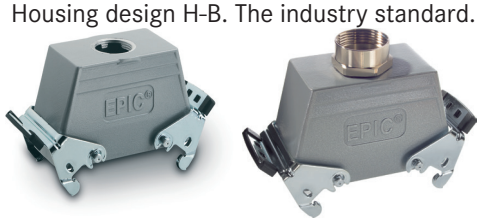
EPIC® H-B 10 TGB

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- For connection with counterpart with integrated cover
- Protection rating UL50E tested



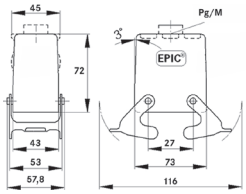


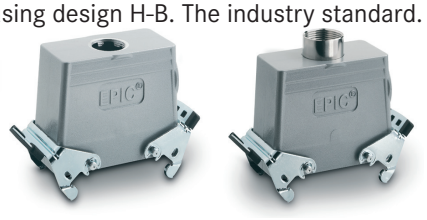
EPIC® H-B 10 TGBH

Housing design H-B. The industry standard.

Info

- More interior space for wiring
- For connection with counterpart with integrated cover
- Protection rating UL50E tested



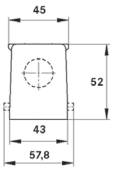


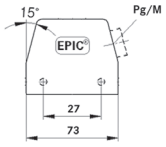
EPIC® H-B 10 TS

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested







Benefits

EPIC® H-B 10 TGB

- The smallest housing with single and double lever. The right housing is available for every application
- Double lever version with 2 levers for increased safety

EPIC® H-B 10 TGBH

- The smallest housing with single and double lever. The right housing is available for every application
- Double lever version with 2 levers for increased safety

EPIC® H-B 10 TS

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 10 TGB

- Hood, low version
- Dual levers
- Straight cable entry
- Versions with / without neck

EPIC® H-B 10 TGBH

- Hood, high version
- Dual levers
- Straight cable entry
- Versions with / without neck

EPIC® H-B 10 TS

- Hood, low version
- Bolts for double lever
- Side cable entry
- Versions with neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (straight cable entry, double lever)					
10041000	H-B 10 TGB 16		16	yes	10
19041000	H-B 10 TGB M20	20			10
79055700	H-B 10 TGB M25	25			10
H-B housing: hood (straight cable entry, double lever, high version)					
70055200	H-B 10 TGBH 21		21	yes	10
70055400	H-B 10 TGBH 29		29	yes	10
79055200	H-B 10 TGBH M25	25			10
79055400	H-B 10 TGBH M32	32			10
H-B housing: hood (side cable entry, bolts for double lever)					
10042000	H-B 10 TS 16		16	yes	10
10042100	H-B 10 TS 21		21	yes	10
19042000	H-B 10 TS M20	20		yes	10
19042100	H-B 10 TS M25	25		yes	10

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Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 10 TG-RO

Housing design H-B. The industry standard.



Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested

EPIC® H-B 10 TGH-RO

Housing design H-B. The industry standard.

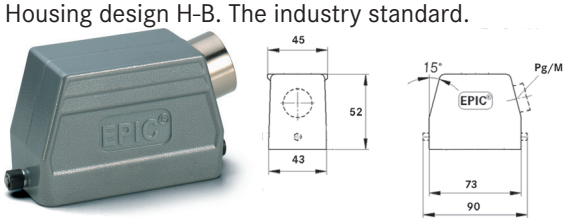


Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested

EPIC® H-B 10 TS-RO

Housing design H-B. The industry standard.



Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 10 TG-RO

- Hood, low version
- Reels for single lever
- Versions with / without neck

EPIC® H-B 10 TGH-RO

- Hood, high version
- Reels for single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 10 TS-RO

- Hood, low version
- Reels for single lever
- Side cable entry
- Versions with neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (straight cable entry, bolts for single lever)					
10040900	H-B 10 TG-RO 16		16	yes	10
10040700	H-B 10 TG-RO 21		21	yes	10
19040900	H-B 10 TG-RO M20	20			10
19040700	H-B 10 TG-RO M25	25			10
H-B housing: hood (straight cable entry, bolts for single lever, high version)					
70044200	H-B 10 TGH-RO 21		21	yes	10
70044400	H-B 10 TGH-RO 29		29	yes	10
79044200	H-B 10 TGH-RO M25	25			10
79044400	H-B 10 TGH-RO M32	32			10
H-B housing: hood (side cable entry, bolts for single lever)					
10042900	H-B 10 TS-RO 16		16	yes	10
10042800	H-B 10 TS-RO 21		21	yes	10
19042900	H-B 10 TS-RO M20	20		yes	10
19042800	H-B 10 TS-RO M25	25		yes	10

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

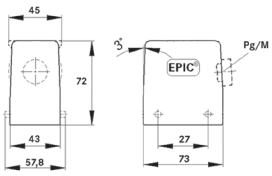
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 10 TSH

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested



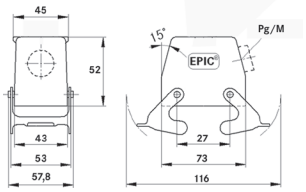


EPIC® H-B 10 TSB

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested



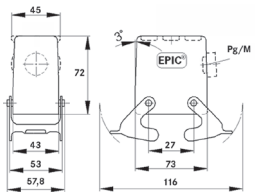


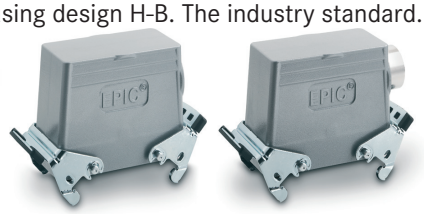
EPIC® H-B 10 TSBH

Housing design H-B. The industry standard.

Info

- More interior space for wiring
- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested





Benefits

EPIC® H-B 10 TSH
- The smallest housing with single and double lever. The right housing is available for every application

EPIC® H-B 10 TSB
- The smallest housing with single and double lever. The right housing is available for every application
- For connection with counterpart with integrated cover

EPIC® H-B 10 TSBH
- The smallest housing with single and double lever. The right housing is available for every application
- For connection with counterpart with integrated cover

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 10 TSH
- Hood, high version
- Bolts for double lever
- Side cable entry
- Versions with / without neck

EPIC® H-B 10 TSB
- Hood, low version
- Dual levers
- Side cable entry
- Versions with neck

EPIC® H-B 10 TSBH
- Hood, high version
- Dual levers
- Side cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (side cable entry, bolts for double lever, high version)					
70052400	H-B 10 TSH 21		21	yes	10
70052600	H-B 10 TSH 29		29	yes	10
79052400	H-B 10 TSH M25	25			10
79052600	H-B 10 TSH M32	32			10
H-B housing: hood (side cable entry, double lever)					
10045000	H-B 10 TSB 16		16	yes	10
19045000	H-B 10 TSB M20	20		yes	10
79057700	H-B 10 TSB M25	25		yes	10
H-B housing: hood (side cable entry, double lever, high version)					
70057200	H-B 10 TSBH 21		21	yes	10
70057400	H-B 10 TSBH 29		29	yes	10
79057200	H-B 10 TSBH M25	25			10

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Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 10 TSH-RO

Housing design H-B. The industry standard.

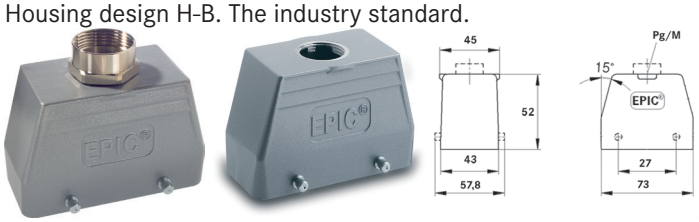


Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested

EPIC® H-B 10 TG

Housing design H-B. The industry standard.

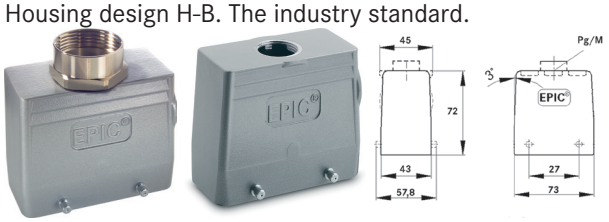


Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested

EPIC® H-B 10 TGH

Housing design H-B. The industry standard.



Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 10 TSH-RO

- Hood, high version
- Reels for single lever
- Side cable entry
- Versions with / without neck

EPIC® H-B 10 TG

- Hood, low version
- Bolts for double lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 10 TGH

- Hood, high version
- Bolts for double lever
- Straight cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (side cable entry, bolts for single lever, high version)					
70054200	H-B 10 TSH-RO 21		21	yes	10
70054400	H-B 10 TSH-RO 29		29	yes	10
79054200	H-B 10 TSH-RO M25	25			10
79054400	H-B 10 TSH-RO M32	32			10
H-B housing: hood (straight cable entry, bolts for double lever)					
10040000	H-B 10 TG 16		16	yes	10
10040100	H-B 10 TG 21		21	yes	10
19040000	H-B 10 TG M20	20			10
19040100	H-B 10 TG M25	25			10
H-B housing: hood (straight cable entry, bolts for double lever, high version)					
70050400	H-B 10 TGH 21		21	yes	10
70050600	H-B 10 TGH 29		29	yes	10
79050400	H-B 10 TGH M25	25			10
79050600	H-B 10 TGH M32	32			10

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Accessories

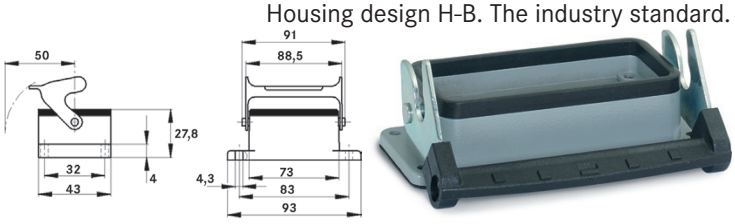
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 10 AG-LB

Housing design H-B. The industry standard.

Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

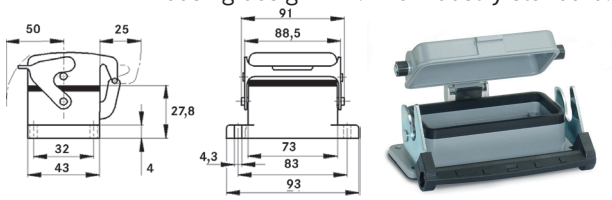


EPIC® H-B 10 AD-LB

Housing design H-B. The industry standard.

Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Metal lid with sturdy hinge
- Protection rating UL50E tested

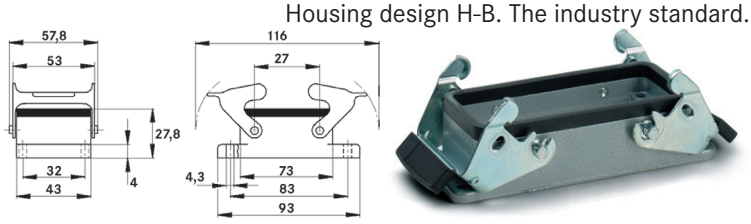


EPIC® H-B 10 AG

Housing design H-B. The industry standard.

Info

- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested

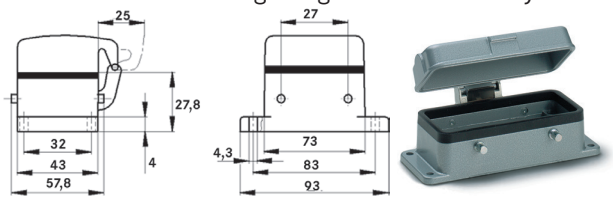


EPIC® H-B 10 AD-BO

Housing design H-B. The industry standard.

Info

- Metal lid with sturdy hinge
- Protection rating UL50E tested



Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 10 AG-LB
- Panel-mount base
- Single lever
- Included: flat gasket

EPIC® H-B 10 AD-LB
- Metal cover
- Panel-mount base
- Single lever
- Included: flat gasket

EPIC® H-B 10 AG
- Panel-mount base
- Dual levers
- Included: flat gasket

EPIC® H-B 10 AD-BO
- Panel-mount base
- Bolts for double lever
- Metal cover
- Included: flat gasket

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection ratingEPIC® H-B 10 AG-LB
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

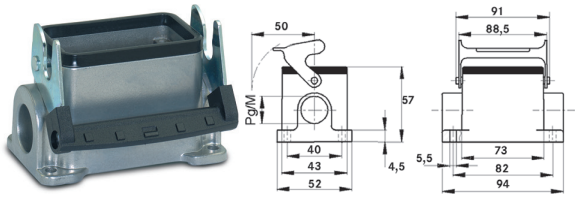
Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Pieces / PU
H-B housing: panel-mount base (single lever)		
10032900	H-B 10 AG-LB	10
H-B housing: panel-mount base (cover, single lever)		
10033900	H-B 10 AD-LB	10
H-B housing: panel-mount base (double lever)		
10032000	H-B 10 AG	10
H-B housing: panel-mount base (cover, bolts for double lever)		
10033000	H-B 10 AD-BO	10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 10 SGR-LB

Housing design H-B. The industry standard.

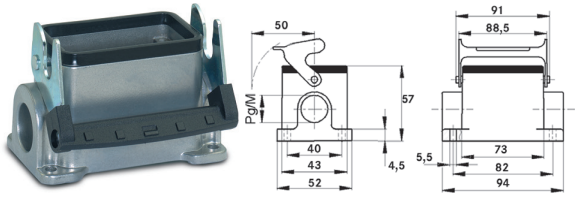


Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

EPIC® H-B 10 SGRL-LB

Housing design H-B. The industry standard.



Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 10 SGR-LB

- Surface-mount base, low version
- Single lever
- 1 cable entry

EPIC® H-B 10 SGRL-LB

- Surface-mount base, low version
- Single lever
- 2 cable entries

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (1 cable entry, single lever)				
10034900	H-B 10 SGR-LB 16		16	10
10034700	H-B 10 SGR-LB 21		21	10
19034900	H-B 10 SGR-LB M20	20		10
19034700	H-B 10 SGR-LB M25	25		10
H-B housing: surface-mount base (2 cable entries, single lever)				
10035900	H-B 10 SGRL-LB 16		16	10
19035900	H-B 10 SGRL-LB M20	20		10
79061600	H-B 10 SGRL-LB M25	25		10

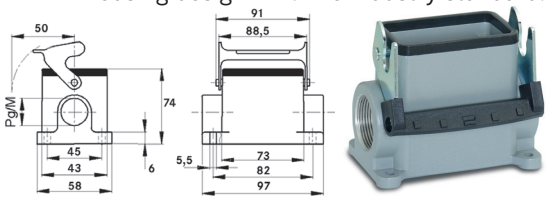
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 10 SGRH-LB

Housing design H-B. The industry standard.

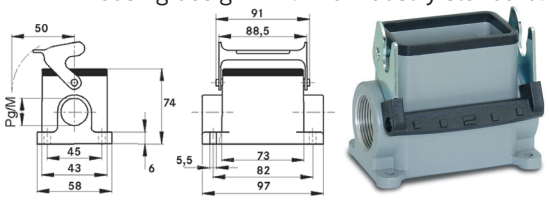


Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

EPIC® H-B 10 SGRLH-LB

Housing design H-B. The industry standard.

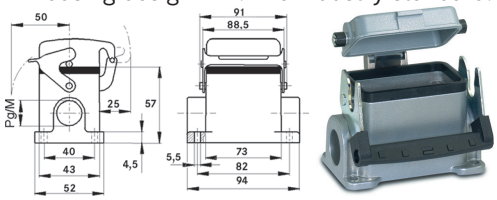


Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

EPIC® H-B 10 SDR-LB

Housing design H-B. The industry standard.



Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Metal lid with sturdy hinge
- Protection rating UL50E tested

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 10 SGRH-LB

- Surface-mount base, high version
- Single lever
- 1 cable entry

EPIC® H-B 10 SGRLH-LB

- Surface-mount base, high version
- Single lever
- 2 cable entries

EPIC® H-B 10 SDR-LB

- Surface-mount base, low version
- Single lever
- 1 cable entry
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (1 cable entry, single lever, high version)				
70060200	H-B 10 SGRH-LB 21		21	10
70060400	H-B 10 SGRH-LB 29		29	10
79060200	H-B 10 SGRH-LB M25	25		10
79060400	H-B 10 SGRH-LB M32	32		10
H-B housing: surface-mount base (2 cable entries, single lever, high version)				
70061200	H-B 10 SGRLH-LB 21		21	10
70061400	H-B 10 SGRLH-LB 29		29	10
79061200	H-B 10 SGRLH-LB M25	25		10
79061400	H-B 10 SGRLH-LB M32	32		10
H-B housing: surface-mount base (cover, 1 cable entry, single lever)				
10036900	H-B 10 SDR-LB 16		16	10
19036900	H-B 10 SDR-LB M20	20		10
79064600	H-B 10 SDR-LB M25	25		10

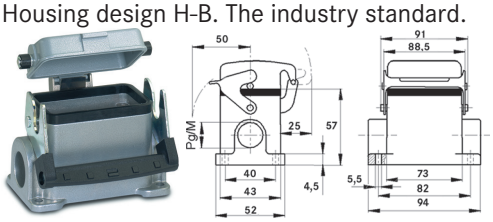
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 10 SDRL-LB

Housing design H-B. The industry standard.

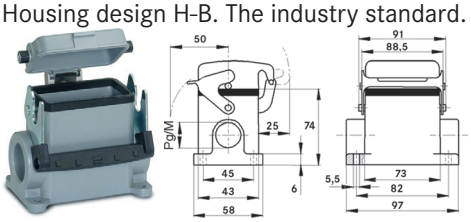


Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Metal lid with sturdy hinge
- Protection rating UL50E tested

EPIC® H-B 10 SDRH-LB

Housing design H-B. The industry standard.

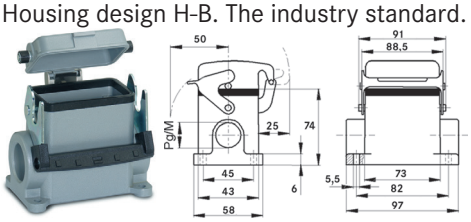


Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Metal lid with sturdy hinge
- Protection rating UL50E tested

EPIC® H-B 10 SDRLH-LB

Housing design H-B. The industry standard.



Info

- Metal lid with sturdy hinge
- For easy introduction of two cables
- Protection rating UL50E tested

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 10 SDRL-LB

- Surface-mount base, low version
- Single lever
- 2 cable entries
- Metal cover

EPIC® H-B 10 SDRH-LB

- Surface-mount base, high version
- Single lever
- 1 cable entry
- Metal cover

EPIC® H-B 10 SDRLH-LB

- Surface-mount base, high version
- Single lever
- 2 cable entries
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (cover, 2 cable entries, single lever)				
10038900	H-B 10 SDRL-LB 16		16	10
19038900	H-B 10 SDRL-LB M20	20		10
79065600	H-B 10 SDRL-LB M25	25		10
H-B housing: surface-mount base (cover, 1 cable entry, single lever, high version)				
70064200	H-B 10 SDRH-LB 21		21	5
70064400	H-B 10 SDRH-LB 29		29	5
79064200	H-B 10 SDRH-LB M25	25		5
79064400	H-B 10 SDRH-LB M32	32		5
H-B housing: surface-mount base (cover, 2 cable entries, single lever, high version)				
70065200	H-B 10 SDRLH-LB 21		21	5
70065400	H-B 10 SDRLH-LB 29		29	5
79065200	H-B 10 SDRLH-LB M25	25		5
79065400	H-B 10 SDRLH-LB M32	32		5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

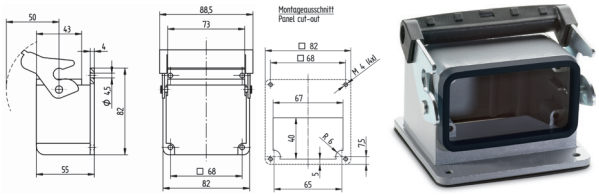
NEW

EPIC® H-B 10 AGS-LB

Housing design H-B. The industry standard.

Info

- Housing for motor termination
- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested



Benefits

- Small angle housing for drives and control cabinets with single lever

Application range

- Plant engineering
- Drive systems
- Light & sound technology
- Plastics industry

Product features

- Panel-mount base
- Single lever
- Angled version
- Included: flat gasket

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

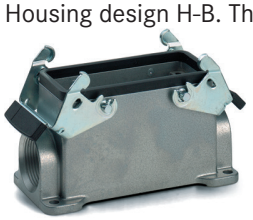
Temperature range
-40°C to +100°C,
short-term up to +125°C

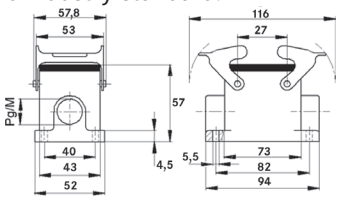
Article number	Article description	Pieces / PU
H-B housing: panel-mount base (angled, single lever)		
44423026	H-B 10 AGS-LB	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 10 SGR

Housing design H-B. The industry standard.



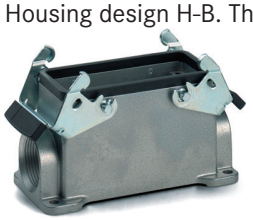


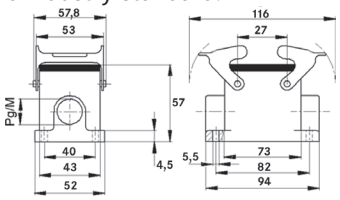
Info

- Double lever version with 2 levers for increased safety

EPIC® H-B 10 SGRL

Housing design H-B. The industry standard.





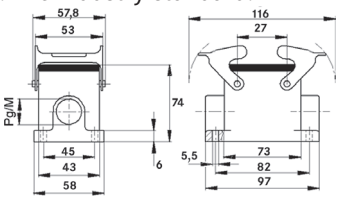
Info

- Double lever version with 2 levers for increased safety
- For easy introduction of two cables

EPIC® H-B 10 SGRH

Housing design H-B. The industry standard.





Info

- More interior space for wiring
- Double lever version with 2 levers for increased safety
- For easy introduction of two cables

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 10 SGR

- Surface-mount base, low version
- Dual levers
- 1 cable entry

EPIC® H-B 10 SGRL

- Surface-mount base, low version
- Dual levers
- 2 cable entries

EPIC® H-B 10 SGRH

- Surface-mount base, high version
- Dual levers
- 1 cable entry

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (1 cable entry, double lever)				
10034000	H-B 10 SGR 16		16	10
19034000	H-B 10 SGR M20	20		10
19034100	H-B 10 SGR M25	25		10
H-B housing: surface-mount base (2 cable entries, double lever)				
10035000	H-B 10 SGRL 16		16	10
19035000	H-B 10 SGRL M20	20		10
19035100	H-B 10 SGRL M25	25		10
H-B housing: surface-mount base (1 cable entry, double lever, high version)				
70035200	H-B 10 SGRH 21		21	10
70035400	H-B 10 SGRH 29		29	10
79035200	H-B 10 SGRH M25	25		10
79035400	H-B 10 SGRH M32	32		10

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

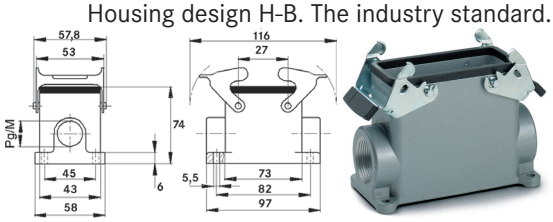
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 10 SGRLH

Housing design H-B. The industry standard.

Info

- More interior space for wiring
- Double lever version with 2 levers for increased safety

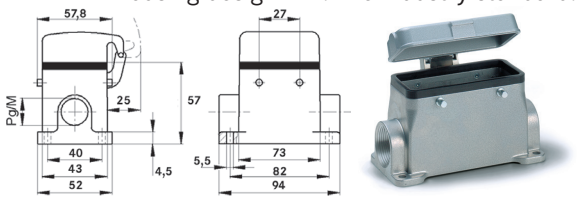


EPIC® H-B 10 SDR-BO

Housing design H-B. The industry standard.

Info

- Metal lid with sturdy hinge
- Protection rating UL50E tested

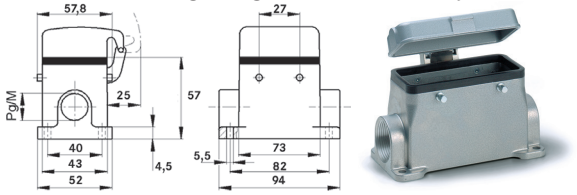


EPIC® H-B 10 SDRL-BO

Housing design H-B. The industry standard.

Info

- Metal lid with sturdy hinge
- For easy introduction of two cables
- Protection rating UL50E tested



Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 10 SGRLH

- Surface-mount base, high version
- Dual levers
- 2 cable entries

EPIC® H-B 10 SDR-BO

- Surface-mount base, low version
- Bolts for double lever
- 1 cable entry
- Metal cover

EPIC® H-B 10 SDRL-BO

- Surface-mount base, low version
- Bolts for double lever
- 2 cable entries
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (2 cable entries, double lever, high version)				
70036200	H-B 10 SGRLH 21		21	10
70036400	H-B 10 SGRLH 29		29	10
79036200	H-B 10 SGRLH M25	25		10
79036400	H-B 10 SGRLH M32	32		10
H-B housing: surface-mount base (cover, 1 cable entry, bolts for double lever)				
10036000	H-B 10 SDR-BO 16		16	10
19036000	H-B 10 SDR-BO M20	20		10
19036100	H-B 10 SDR-BO M25	25		10
H-B housing: surface-mount base (cover, 2 cable entries, bolts for double lever)				
10038000	H-B 10 SDRL-BO 16		16	10
19038000	H-B 10 SDRL-BO M20	20		10
79046600	H-B 10 SDRL-BO M25	25		10

Photographs are not to scale and do not represent detailed images of the respective products.

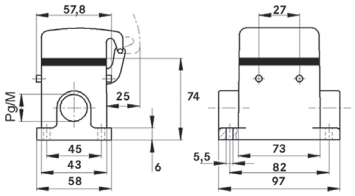
Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 10 SDRH-BO

Housing design H-B. The industry standard.





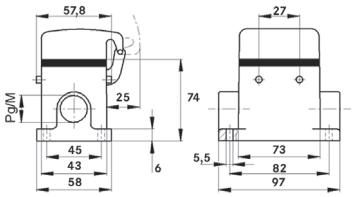
Info

- More interior space for wiring
- Metal lid with sturdy hinge
- Protection rating UL50E tested

EPIC® H-B 10 SDRLH-BO

Housing design H-B. The industry standard.





Info

- Double lever version with 2 levers for increased safety
- For easy introduction of two cables
- Protection rating UL50E tested

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 10 SDRH-BO

- Surface-mount base, high version
- Bolts for double lever
- 1 cable entry
- Metal cover

EPIC® H-B 10 SDRLH-BO

- Surface-mount base, high version
- Bolts for double lever
- 2 cable entries
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (cover, 1 cable entry, bolts for double lever, high version)				
70045200	H-B 10 SDRH-BO 21		21	5
70045400	H-B 10 SDRH-BO 29		29	5
79045200	H-B 10 SDRH-BO M25	25		5
H-B housing: surface-mount base (cover, 2 cable entries, bolts for double lever, high version)				
70046200	H-B 10 SDRLH-BO 21		21	5
79046200	H-B 10 SDRLH-BO M25	25		5
79046400	H-B 10 SDRLH-BO M32	32		5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 10 TBF-LB

Housing design H-B. The industry standard.



Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

EPIC® H-B 10 TBFH-LB

Housing design H-B. The industry standard.

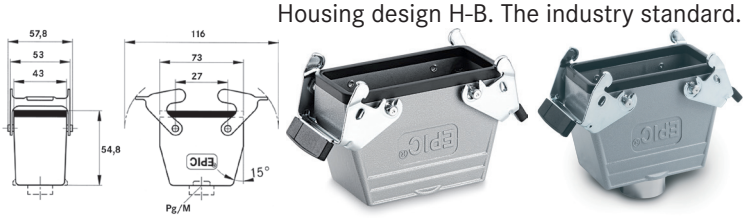


Info

- More interior space for wiring
- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

EPIC® H-B 10 TBF

Housing design H-B. The industry standard.



Info

- Double lever version with 2 levers for increased safety

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 10 TBF-LB

- Cable coupler hood, low version
- Single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 10 TBFH-LB

- Cable coupler hood, high version
- Single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 10 TBF

- Cable coupler hood, low version
- Dual levers
- Straight cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: cable coupler hood (1 straight cable entry, single lever)					
10046900	H-B 10 TBF-LB 16		16	yes	10
70042200	H-B 10 TBF-LB 21		21	yes	10
19046900	H-B 10 TBF-LB M20	20			10
79042200	H-B 10 TBF-LB M25	25			10
H-B housing: cable coupler hood (1 straight cable entry, single lever, high version)					
70042400	H-B 10 TBFH-LB 21		21	yes	10
70042600	H-B 10 TBFH-LB 29		29	yes	10
79042400	H-B 10 TBFH-LB M25	25			10
79042600	H-B 10 TBFH-LB M32	32			10
H-B housing: cable coupler hood (straight cable entry, double lever)					
10046000	H-B 10 TBF 16		16	yes	10
70040200	H-B 10 TBF 21		21	yes	10
19046000	H-B 10 TBF M20	20			10
79040200	H-B 10 TBF M25	25			10

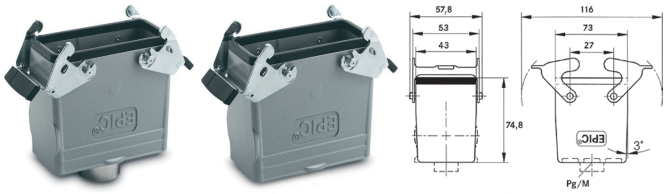
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 10 TBFH

Housing design H-B. The industry standard.



Info

- More interior space for wiring
- Double lever version with 2 levers for increased safety

Benefits

- The smallest housing with single and double lever. The right housing is available for every application

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

- Cable coupler hood, high version
- Dual levers
- Straight cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: cable coupler hood (straight cable entry, double lever, high version)					
70040400	H-B 10 TBFH 21		21	yes	10
70040600	H-B 10 TBFH 29		29	yes	10
79040400	H-B 10 TBFH M25	25			10
79040600	H-B 10 TBFH M32	32			10

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

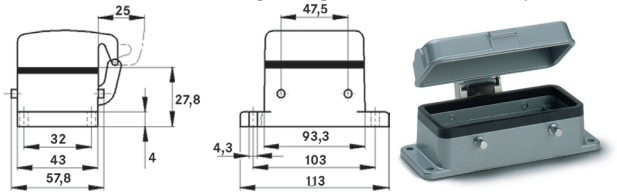
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 16 AD-BO

Housing design H-B. The industry standard.

Info

- Double lever version with 2 levers for increased safety
- Metal lid with sturdy hinge
- Protection rating UL50E tested

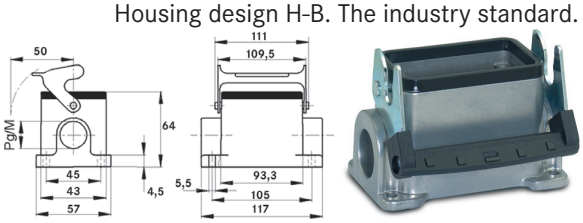


EPIC® H-B 16 SGR-LB

Housing design H-B. The industry standard.

Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

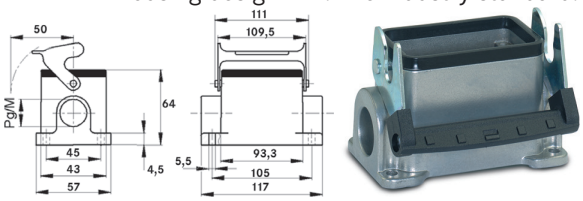


EPIC® H-B 16 SGRL-LB

Housing design H-B. The industry standard.

Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- For easy introduction of two cables
- Protection rating UL50E tested



Benefits

- The housing standard. Wide choice for all applications

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 16 AD-BO

- Panel-mount base
- Bolts for double lever
- Metal cover
- Included: flat gasket

EPIC® H-B 16 SGR-LB

- Surface-mount base, low version
- Single lever
- 1 cable entry

EPIC® H-B 16 SGRL-LB

- Surface-mount base, low version
- Single lever
- 2 cable entries

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
EPIC® H-B 16 AD-BO
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)
EPIC® H-B 16 SGR-LB
IP 65 (latched)
UL50 Type 12 (latched)
EPIC® H-B 16 SGRL-LB
IP 65 (latched)
UL50 Type 12 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: panel-mount base (cover, bolts for double lever)				
10073000	H-B 16 AD-BO			5
H-B housing: surface-mount base (1 cable entry, single lever)				
10074900	H-B 16 SGR-LB 21		21	5
19074900	H-B 16 SGR-LB M25	25		5
H-B housing: surface-mount base (2 cable entries, single lever)				
10075900	H-B 16 SGRL-LB 21		21	5
19075900	H-B 16 SGRL-LB M25	25		5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

EPIC® H-B 16 SGR-LB

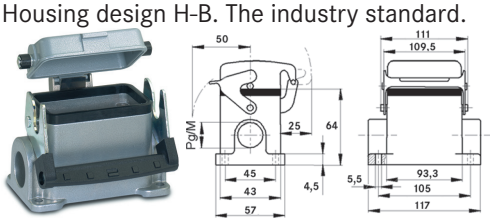
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 16 SGRL-LB

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 16 SDRL-LB

Housing design H-B. The industry standard.

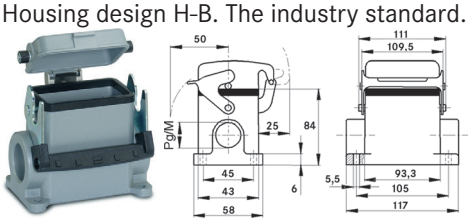


Info

- Metal lid with sturdy hinge
- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

EPIC® H-B 16 SDRH-LB

Housing design H-B. The industry standard.

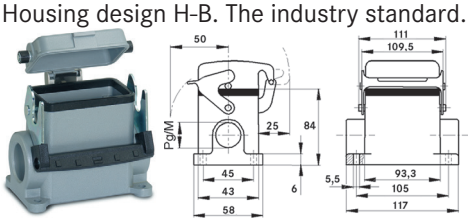


Info

- Metal lid with sturdy hinge
- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

EPIC® H-B 16 SDRLH-LB

Housing design H-B. The industry standard.



Info

- Metal lid with sturdy hinge
- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

Benefits

EPIC® H-B 16 SDRL-LB

- The housing standard. Wide choice for all applications

EPIC® H-B 16 SDRH-LB

- More interior space for wiring
- The housing standard. Wide choice for all applications

EPIC® H-B 16 SDRLH-LB

- The housing standard. Wide choice for all applications

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 16 SDRL-LB

- Surface-mount base, low version
- Single lever
- 2 cable entries
- Metal cover

EPIC® H-B 16 SDRH-LB

- Surface-mount base, high version
- Single lever
- 1 cable entry
- Metal cover

EPIC® H-B 16 SDRLH-LB

- Surface-mount base, high version
- Single lever
- 2 cable entries
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
UL50 Type 12 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (cover, 2 cable entries, single lever)				
10078900	H-B 16 SDRL-LB 21		21	5
19078900	H-B 16 SDRL-LB M25	25		5
H-B housing: surface-mount base (cover, 1 cable entry, single lever, high version)				
70114200	H-B 16 SDRH-LB 21		21	5
70114400	H-B 16 SDRH-LB 29		29	5
79114200	H-B 16 SDRH-LB M25	25		5
79114400	H-B 16 SDRH-LB M32	32		5
H-B housing: surface-mount base (cover, 2 cable entries, single lever, high version)				
70115200	H-B 16 SDRLH-LB 21		21	5
70115400	H-B 16 SDRLH-LB 29		29	5
79115200	H-B 16 SDRLH-LB M25	25		5
79115400	H-B 16 SDRLH-LB M32	32		5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

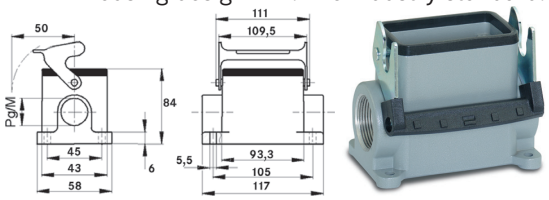
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 16 SGRH-LB

Housing design H-B. The industry standard.

Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- More interior space for wiring
- Protection rating UL50E tested

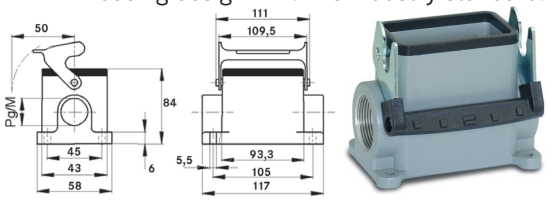


EPIC® H-B 16 SGRLH-LB

Housing design H-B. The industry standard.

Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- For easy introduction of two cables
- Protection rating UL50E tested

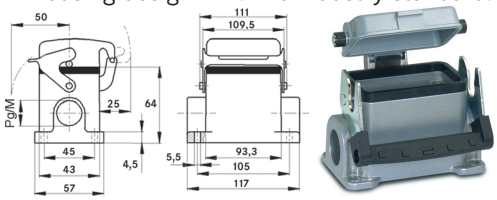


EPIC® H-B 16 SDR-LB

Housing design H-B. The industry standard.

Info

- Metal lid with sturdy hinge
- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested



Benefits

EPIC® H-B 16 SGRH-LB
- The housing standard. Wide choice for all applications

EPIC® H-B 16 SGRLH-LB
- The housing standard. Wide choice for all applications
- More interior space for wiring

EPIC® H-B 16 SDR-LB
- The housing standard. Wide choice for all applications

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 16 SGRH-LB
- Surface-mount base, high version
- Single lever
- 1 cable entry

EPIC® H-B 16 SGRLH-LB
- Surface-mount base, high version
- Single lever
- 2 cable entries

EPIC® H-B 16 SDR-LB
- Surface-mount base, low version
- Single lever
- 1 cable entry
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
UL50 Type 12 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (1 cable entry, single lever, high version)				
70110200	H-B 16 SGRH-LB 21		21	5
70110400	H-B 16 SGRH-LB 29		29	5
79110200	H-B 16 SGRH-LB M25	25		5
79110400	H-B 16 SGRH-LB M32	32		5
H-B housing: surface-mount base (2 cable entries, single lever, high version)				
70111200	H-B 16 SGRLH-LB 21		21	5
70111400	H-B 16 SGRLH-LB 29		29	5
79111200	H-B 16 SGRLH-LB M25	25		5
79111400	H-B 16 SGRLH-LB M32	32		5
H-B housing: surface-mount base (cover, 1 cable entry, single lever)				
10076900	H-B 16 SDR-LB 21		21	5
19076900	H-B 16 SDR-LB M25	25		5

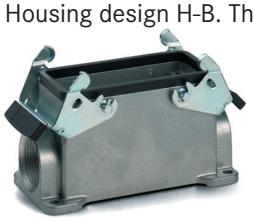
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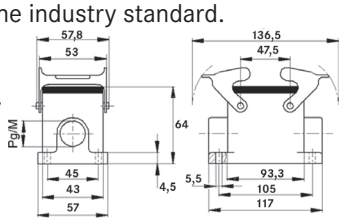
Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 16 SGR

Housing design H-B. The industry standard.



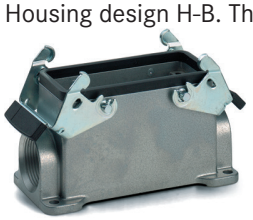


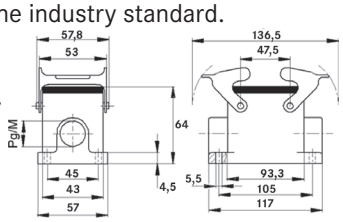
Info

- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested

EPIC® H-B 16 SGRL

Housing design H-B. The industry standard.





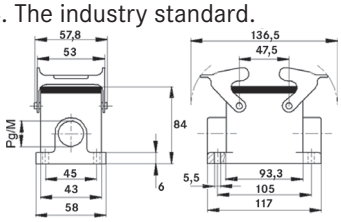
Info

- Double lever version with 2 levers for increased safety
- For easy introduction of two cables
- Protection rating UL50E tested

EPIC® H-B 16 SGRH

Housing design H-B. The industry standard.





Info

- More interior space for wiring
- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested

Benefits

- The housing standard. Wide choice for all applications

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 16 SGR

- Surface-mount base, low version
- Dual levers
- 1 cable entry

EPIC® H-B 16 SGRL

- Surface-mount base, low version
- Dual levers
- 2 cable entries

EPIC® H-B 16 SGRH

- Surface-mount base, high version
- Dual levers
- 1 cable entry

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (1 cable entry, double lever)				
10074000	H-B 16 SGR 21		21	5
19074000	H-B 16 SGR M25	25		5
H-B housing: surface-mount base (2 cable entries, double lever)				
10075000	H-B 16 SGRL 21		21	5
19075000	H-B 16 SGRL M25	25		5
H-B housing: surface-mount base (1 cable entry, double lever, high version)				
70085200	H-B 16 SGRH 21		21	5
70085400	H-B 16 SGRH 29		29	5
79085200	H-B 16 SGRH M25	25		5
79085400	H-B 16 SGRH M32	32		5

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Accessories

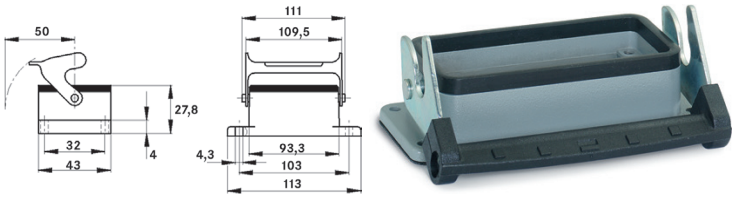
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 16 AG-LB

Housing design H-B. The industry standard.

Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

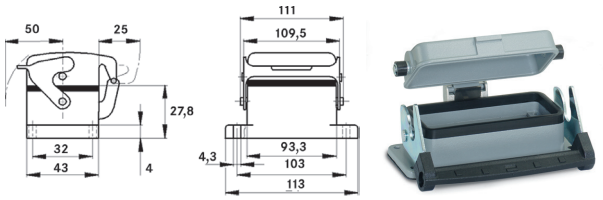


EPIC® H-B 16 AD-LB

Housing design H-B. The industry standard.

Info

- Metal lid with sturdy hinge
- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

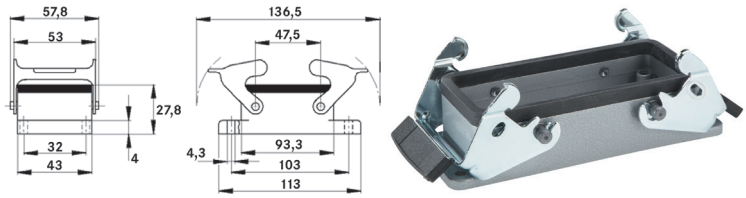


EPIC® H-B 16 AG

Housing design H-B. The industry standard.

Info

- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested



Benefits

- The housing standard. Wide choice for all applications

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 16 AG-LB

- Panel-mount base
- Single lever
- Included: flat gasket

EPIC® H-B 16 AD-LB

- Panel-mount base
- Single lever
- Metal cover
- Included: flat gasket

EPIC® H-B 16 AG

- Panel-mount base
- Dual levers
- Included: flat gasket

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
EPIC® H-B 16 AG-LB
IP 65 (latched)
UL50 Type 12 (latched)
EPIC® H-B 16 AD-LB
IP 65 (latched)
UL50 Type 12 (latched)
EPIC® H-B 16 AG
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

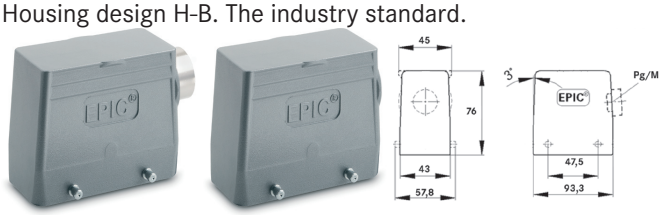
Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Pieces / PU
H-B housing: panel-mount base (single lever)		
10072900	H-B 16 AG-LB	5
H-B housing: panel-mount base (cover, single lever)		
10073900	H-B 16 AD-LB	5
H-B housing: panel-mount base (double lever)		
10072000	H-B 16 AG	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 16 TSH

Housing design H-B. The industry standard.

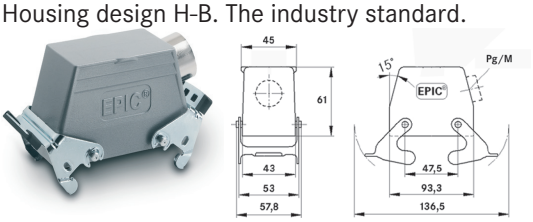


Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested

EPIC® H-B 16 TSB

Housing design H-B. The industry standard.



Info

- Non-slip ridges for comfortable disconnecting
- For connection with counterpart with integrated cover
- NEMA 250, UL50E: 12, 4 (latched)

EPIC® H-B 16 TSBH

Housing design H-B. The industry standard.



Info

- More interior space for wiring
- For connection with counterpart with integrated cover
- NEMA 250, UL50E: 12, 4 (latched)

Benefits

EPIC® H-B 16 TSH
- The housing standard. Wide choice for all applications

EPIC® H-B 16 TSB
- The housing standard. Wide choice for all applications
- Double lever version with 2 levers for increased safety

EPIC® H-B 16 TSBH
- The housing standard. Wide choice for all applications
- Double lever version with 2 levers for increased safety

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 16 TSH
- Hood, high version
- Bolts for double lever
- Side cable entry
- Versions with / without neck

EPIC® H-B 16 TSB
- Hood, low version
- Dual levers
- Side cable entry
- Versions with neck

EPIC® H-B 16 TSBH
- Hood, high version
- Dual levers
- Side cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
EPIC® H-B 16 TSH
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)
EPIC® H-B 16 TSB
IP 65 (latched)
EPIC® H-B 16 TSBH
IP 65 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested: UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (side cable entry, bolts for double lever, high version)					
70102200	H-B 16 TSH 21		21	yes	5
70102400	H-B 16 TSH 29		29	yes	5
79102200	H-B 16 TSH M25	25			5
79102400	H-B 16 TSH M32	32			5
79102800	H-B 16 TSH M40	40			5
H-B housing: hood (side cable entry, double lever)					
10083000	H-B 16 TSB 21		21	yes	5
19083000	H-B 16 TSB M25	25		yes	5
H-B housing: hood (side cable entry, double lever, high version)					
70107200	H-B 16 TSBH 21		21	yes	5
70107400	H-B 16 TSBH 29		29	yes	5
79107200	H-B 16 TSBH M25	25			5
79107400	H-B 16 TSBH M32	32			5

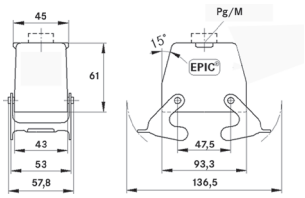
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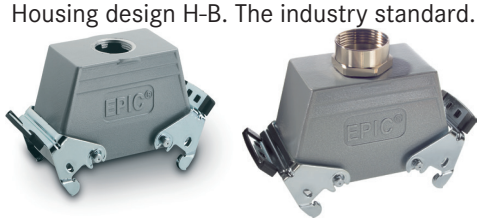
Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 16 TGB

Housing design H-B. The industry standard.



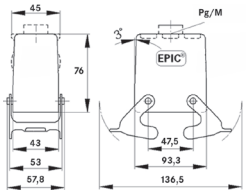


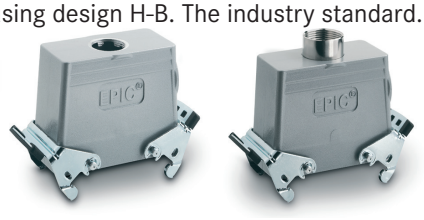
Info

- Non-slip ridges for comfortable disconnecting
- For connection with counterpart with integrated cover
- NEMA 250, UL50E: 12, 4 (latched)

EPIC® H-B 16 TGBH

Housing design H-B. The industry standard.



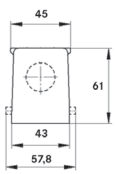


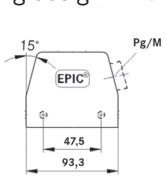
Info

- More interior space for wiring
- For connection with counterpart with integrated cover
- Protection rating UL50E tested

EPIC® H-B 16 TS

Housing design H-B. The industry standard.







Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
EPIC® H-B 16 TGB
IP 65 (latched)
EPIC® H-B 16 TGBH
IP 65 (latched)
EPIC® H-B 16 TS
IP 65 (latched)
Protection rating UL50E tested

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested: UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Benefits

EPIC® H-B 16 TGB
- The housing standard. Wide choice for all applications
- Double lever version with 2 levers for increased safety

EPIC® H-B 16 TGBH
- The housing standard. Wide choice for all applications
- Double lever version with 2 levers for increased safety

EPIC® H-B 16 TS
- The housing standard. Wide choice for all applications

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 16 TGB
- Hood, low version
- Dual levers
- Straight cable entry
- Versions with / without neck

EPIC® H-B 16 TGBH
- Hood, high version
- Dual levers
- Straight cable entry
- Versions with / without neck

EPIC® H-B 16 TS
- Hood, low version
- Bolts for double lever
- Side cable entry
- Versions with neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (straight cable entry, double lever)					
10081000	H-B 16 TGB 21		21	yes	5
19081000	H-B 16 TGB M25	25			5
H-B housing: hood (straight cable entry, double lever, high version)					
70105200	H-B 16TGBH 21		21	yes	5
70105400	H-B 16TGBH 29		29	yes	5
79105200	H-B 16TGBH M25	25			5
79105400	H-B 16TGBH M32	32			5
H-B housing: hood (side cable entry, bolts for double lever)					
10082000	H-B 16 TS 21		21	yes	5
10092000	H-B 16 TS 29		29	yes	5
19082000	H-B 16 TS M25	25		yes	5
19092000	H-B 16 TS M32	32		yes	5

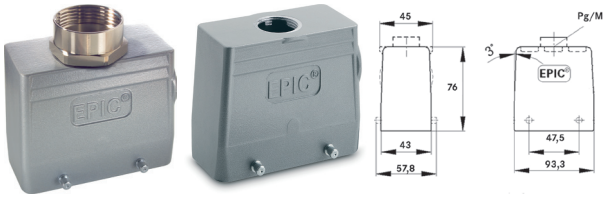
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Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 16 TGH

Housing design H-B. The industry standard.

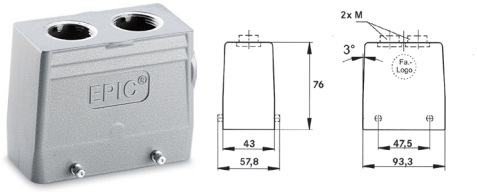


Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested

EPIC® H-B 16 TGH 2X

Housing design H-B. The industry standard.



Info

- Non-slip ridges for comfortable disconnecting
- For easy introduction of two cables
- NEMA 250, UL50E: 12, 4 (latched)

Benefits

EPIC® H-B 16 TGH

- The housing standard. Wide choice for all applications

EPIC® H-B 16 TGH 2X

- The housing standard. Wide choice for all applications
- More interior space for wiring

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 16 TGH

- Hood, high version
- Bolts for double lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 16 TGH 2X

- Hood, high version
- Bolts for double lever
- 2 straight cable entries
- Versions without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
EPIC® H-B 16 TGH
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)
EPIC® H-B 16 TGH 2X
IP 65 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (straight cable entry, bolts for double lever, high version)					
70100200	H-B 16 TGH 21		21	yes	5
70100400	H-B 16 TGH 29		29	yes	5
79100200	H-B 16 TGH M25	25			5
79100400	H-B 16 TGH M32	32			5
79100800	H-B 16 TGH M40	40			5
H-B housing: hood (2 straight cable entries, bolts for double lever, high version)					
44422018	H-B 16 TGH 2XM25	2 x 25			5
79128600	H-B 16 TGH 2XM32	2 x 32			5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

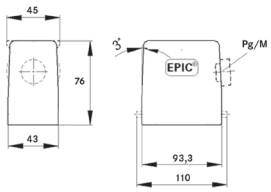
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

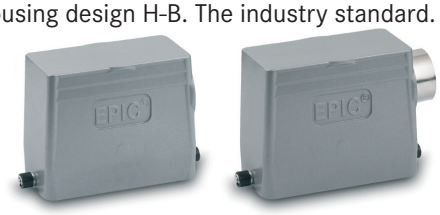
EPIC® H-B 16 TSH-RO

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested



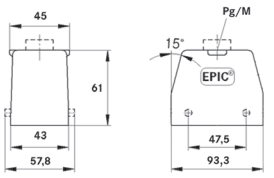


EPIC® H-B 16 TG

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested



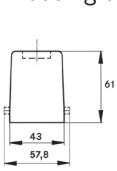


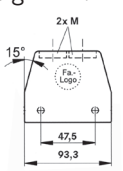
EPIC® H-B 16 TG 2X

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- For easy introduction of two cables
- Protection rating UL50E tested







Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
EPIC® H-B 16 TSH-RO
IP 65 (latched)
UL50 Type 12 (latched)
EPIC® H-B 16 TG
IP 65 (latched)
EPIC® H-B 16 TG 2X
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested: UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Benefits

- The housing standard. Wide choice for all applications

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 16 TSH-RO
- Hood, high version
- Reels for single lever
- Side cable entry
- Versions with / without neck

EPIC® H-B 16 TG
- Hood, low version
- Bolts for double lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 16 TG 2X
- Hood, low version
- Bolts for double lever
- 2 straight cable entries
- Versions with neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (side cable entry, bolts for single lever, high version)					
70104200	H-B 16 TSH-RO 21		21	yes	5
70104400	H-B 16 TSH-RO 29		29	yes	5
79104200	H-B 16 TSH-RO M25	25			5
79104400	H-B 16 TSH-RO M32	32			5
79104800	H-B 16 TSH-RO M40	40			5
H-B housing: hood (straight cable entry, bolts for double lever)					
10080000	H-B 16 TG 21		21	yes	5
10090000	H-B 16 TG 29		29	yes	5
19080000	H-B 16 TG M25	25			5
19090000	H-B 16 TG M32	32			5
H-B housing: hood (2 straight cable entries, bolts for double lever)					
19080500	H-B 16 TG 2XM25	2 x 25		yes	5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 16 TG-RO

Housing design H-B. The industry standard.



Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested

EPIC® H-B 16 TGH-RO

Housing design H-B. The industry standard.

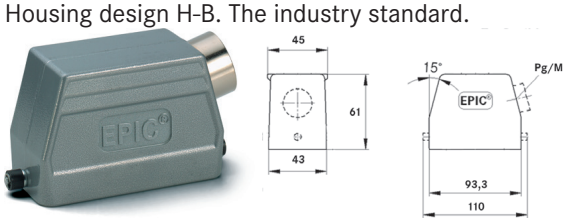


Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested

EPIC® H-B 16 TS-RO

Housing design H-B. The industry standard.



Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested

Benefits

EPIC® H-B 16 TG-RO
- The housing standard. Wide choice for all applications

EPIC® H-B 16 TGH-RO
- The housing standard. Wide choice for all applications
- More interior space for wiring

EPIC® H-B 16 TS-RO
- The housing standard. Wide choice for all applications

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 16 TG-RO
- Hood, low version
- Reels for single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 16 TGH-RO
- Hood, high version
- Reels for single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 16 TS-RO
- Hood, low version
- Reels for single lever
- Side cable entry
- Versions with neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
UL50 Type 12 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (straight cable entry, bolts for single lever)					
10080900	H-B 16 TG-RO 21		21	yes	5
19080900	H-B 16 TG-RO M25	25			5
H-B housing: hood (straight cable entry, bolts for single lever, high version)					
70094200	H-B 16 TGH-RO 21		21	yes	5
70094400	H-B 16 TGH-RO 29		29	yes	5
79094200	H-B 16 TGH-RO M25	25			5
79094400	H-B 16 TGH-RO M32	32			5
79094600	H-B 16 TGH-RO M40	40			5
H-B housing: hood (side cable entry, bolts for single lever)					
10082900	H-B 16 TS-RO 21		21	yes	5
10092900	H-B 16 TS-RO 29		29	yes	5
19082900	H-B 16 TS-RO M25	25		yes	5
19092900	H-B 16 TS-RO M32	32		yes	5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

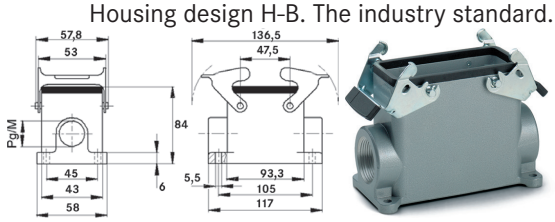
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 16 SGRLH

Housing design H-B. The industry standard.

Info

- More interior space for wiring
- For easy introduction of two cables
- Protection rating UL50E tested

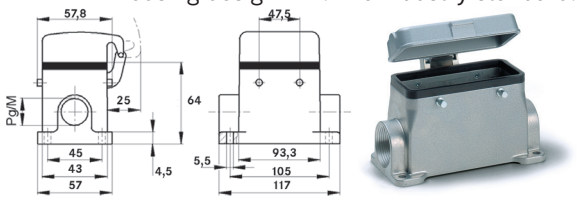


EPIC® H-B 16 SDR-BO

Housing design H-B. The industry standard.

Info

- Metal lid with sturdy hinge
- Protection rating UL50E tested

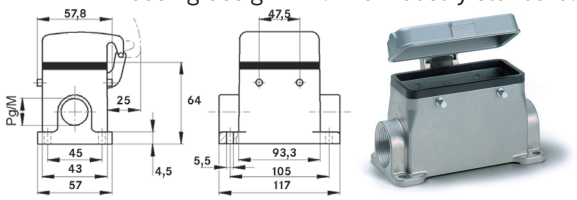


EPIC® H-B 16 SDRL-BO

Housing design H-B. The industry standard.

Info

- Metal lid with sturdy hinge
- For easy introduction of two cables
- Protection rating UL50E tested



Benefits

EPIC® H-B 16 SGRLH
- The housing standard. Wide choice for all applications
- Double lever version with 2 levers for increased safety

EPIC® H-B 16 SDR-BO
- The housing standard. Wide choice for all applications

EPIC® H-B 16 SDRL-BO
- The housing standard. Wide choice for all applications

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 16 SGRLH
- Surface-mount base, high version
- Dual levers
- 2 cable entries

EPIC® H-B 16 SDR-BO
- Surface-mount base, low version
- Bolts for double lever
- 1 cable entry
- Metal cover

EPIC® H-B 16 SDRL-BO
- Surface-mount base, low version
- Bolts for double lever
- 2 cable entries
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (2 cable entries, double lever, high version)				
70086200	H-B 16 SGRLH 21		21	5
70086400	H-B 16 SGRLH 29		29	5
79086200	H-B 16 SGRLH M25	25		5
79086400	H-B 16 SGRLH M32	32		5
H-B housing: surface-mount base (cover, 1 cable entry, bolts for double lever)				
10076000	H-B 16 SDR-BO 21		21	5
19076000	H-B 16 SDR-BO M25	25		5
H-B housing: surface-mount base (cover, 2 cable entries, bolts for double lever)				
70096000	H-B 16 SDRL-BO 21		21	5
79096000	H-B 16 SDRL-BO M25	25		5

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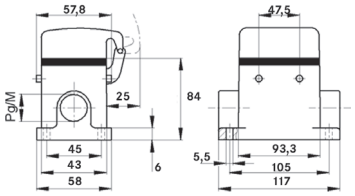
Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 16 SDRH-BO

Housing design H-B. The industry standard.





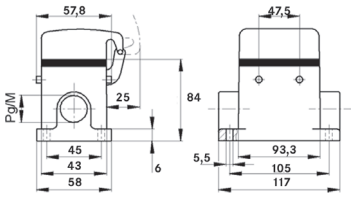
Info

- More interior space for wiring
- Metal lid with sturdy hinge
- Protection rating UL50E tested

EPIC® H-B 16 SDRLH-BO

Housing design H-B. The industry standard.





Info

- Metal lid with sturdy hinge
- For easy introduction of two cables
- Protection rating UL50E tested

Benefits

EPIC® H-B 16 SDRH-BO

- The housing standard. Wide choice for all applications

EPIC® H-B 16 SDRLH-BO

- The housing standard. Wide choice for all applications
- More interior space for wiring

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 16 SDRH-BO

- Surface-mount base, high version
- Bolts for double lever
- 1 cable entry
- Metal cover

EPIC® H-B 16 SDRLH-BO

- Surface-mount base, high version
- Bolts for double lever
- 2 cable entries
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (cover, 1 cable entry, bolts for double lever, high version)				
70095200	H-B 16 SDRH-BO 21		21	5
70095400	H-B 16 SDRH-BO 29		29	5
79095200	H-B 16 SDRH-BO M25	25		5
79095400	H-B 16 SDRH-BO M32	32		5
H-B housing: surface-mount base (cover, 2 cable entries, bolts for double lever, high version)				
70096200	H-B 16 SDRLH-BO 21		21	5
79096200	H-B 16 SDRLH-BO M25	25		5
79096400	H-B 16 SDRLH-BO M32	32		5

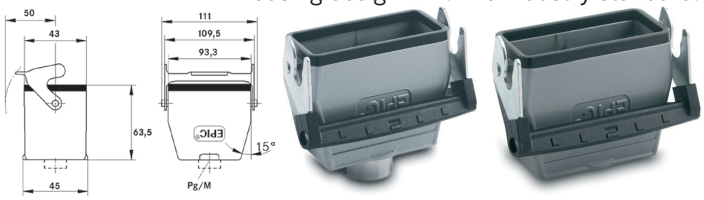
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 16 TBF-LB

Housing design H-B. The industry standard.



Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

EPIC® H-B 16 TBFH-LB

Housing design H-B. The industry standard.

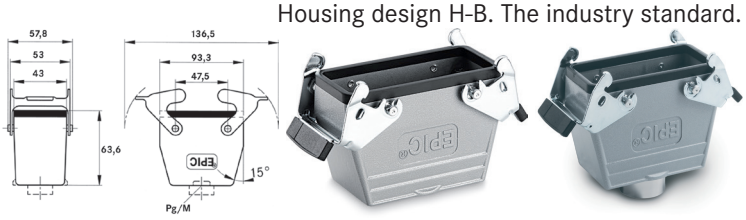


Info

- More interior space for wiring
- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

EPIC® H-B 16 TBF

Housing design H-B. The industry standard.



Info

- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
EPIC® H-B 16 TBF-LB
IP 65 (latched)
UL50 Type 12 (latched)
EPIC® H-B 16 TBFH-LB
IP 65 (latched)
UL50 Type 12 (latched)
EPIC® H-B 16 TBF
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Benefits

- The housing standard. Wide choice for all applications

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 16 TBF-LB
- Cable coupler hood, low version
- Single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 16 TBFH-LB
- Cable coupler hood, high version
- Single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 16 TBF
- Cable coupler hood, low version
- Dual levers
- Straight cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: cable coupler hood (1 straight cable entry, single lever)					
10086900	H-B 16 TBF-LB 21		21	yes	5
19086900	H-B 16 TBF-LB 25	25			5
H-B housing: cable coupler hood (1 straight cable entry, single lever, high version)					
70092200	H-B 16 TBFH-LB 21		21	yes	5
70092400	H-B 16 TBFH-LB 29		29	yes	5
79092200	H-B 16 TBFH-LB M25	25			5
79092400	H-B 16 TBFH-LB M32	32			5
H-B housing: cable coupler hood (straight cable entry, double lever)					
10086000	H-B 16 TBF 21		21	yes	5
19086000	H-B 16 TBF M25	25			5

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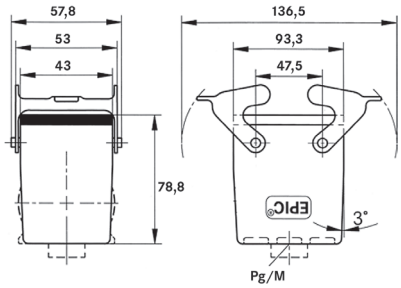
Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 16 TBFH

Housing design H-B. The industry standard.





Info

- More interior space for wiring
- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested

Benefits

- The housing standard. Wide choice for all applications

Application range

- Plant engineering
- Plastics industry
- Light & sound technology

Product features

- Cable coupler hood, high version
- Dual levers
- Straight cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A 10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: cable coupler hood (straight cable entry, double lever, high version)					
70090200	H-B 16 TBFH 21		21	yes	5
70090400	H-B 16 TBFH 29		29	yes	5
79090200	H-B 16 TBFH M25	25			5
79090400	H-B 16 TBFH M32	32			5
79090401	H-B 16 TBFH 2xM32	2 x 32			5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

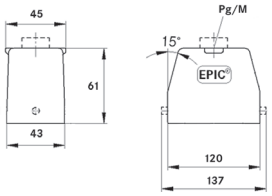
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

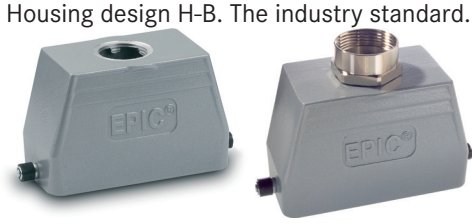
EPIC® H-B 24 TG-RO

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested



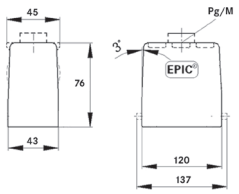


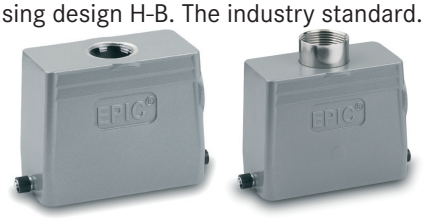
EPIC® H-B 24 TGH-RO

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested



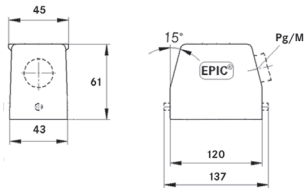


EPIC® H-B 24 TS-RO

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested





Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Similar products

EPIC® H-B 24 TG-RO

- Further products for two inserts in the internet. (H-B 32, H-B 48)

Benefits

- Ideal for many applications due to a wide range of housings and inserts

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 24 TG-RO

- Hood, low version
- Reels for single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 24 TGH-RO

- Hood, high version
- Reels for single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 24 TS-RO

- Hood, low version
- Reels for single lever
- Side cable entry
- Versions with neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (straight cable entry, bolts for single lever)					
10121900	H-B 24 TG-RO 21		21	yes	5
10111900	H-B 24 TG-RO 29		29	yes	5
19121900	H-B 24 TG-RO M25	25			5
19111900	H-B 24 TG-RO M32	32			5
H-B housing: hood (straight cable entry, bolts for single lever, high version)					
70144400	H-B 24 TGH-RO 21		21	yes	5
70144600	H-B 24 TGH-RO 29		29	yes	5
79144400	H-B 24 TGH-RO M25	25			5
79144600	H-B 24 TGH-RO M32	32			5
79144800	H-B 24 TGH-RO M40	40			5
H-B housing: hood (side cable entry, bolts for single lever)					
10113900	H-B 24 TS-RO 21		21	yes	5
10123900	H-B 24 TS-RO 29		29	yes	5
19113900	H-B 24 TS-RO M25	25		yes	5
19123900	H-B 24 TS-RO M32	32		yes	5

Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

EPIC® H-B 24 TG-RO

- Further products for two inserts in the internet. (H-B 32, H-B 48)

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 24 TSH-RO

Housing design H-B. The industry standard.

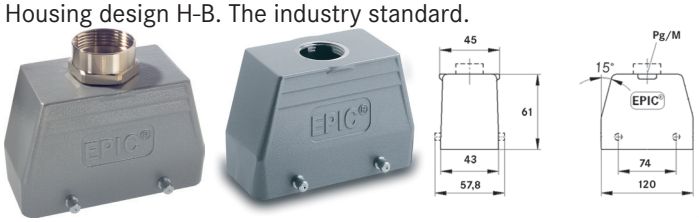


Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested

EPIC® H-B 24 TG

Housing design H-B. The industry standard.

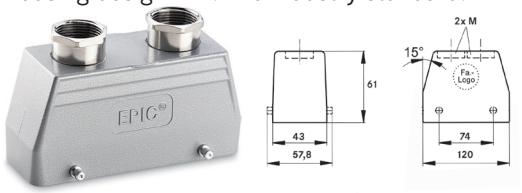


Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested

EPIC® H-B 24 TG 2X

Housing design H-B. The industry standard.



Info

- Non-slip ridges for comfortable disconnecting
- For easy introduction of two cables
- Protection rating UL50E tested

Benefits

- Ideal for many applications due to a wide range of housings and inserts

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 24 TSH-RO

- Hood, high version
- Reels for single lever
- Side cable entry
- Versions with / without neck

EPIC® H-B 24 TG

- Hood, low version
- Bolts for double lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 24 TG 2X

- Hood, low version
- Bolts for double lever
- 2 straight cable entries
- Versions with neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
EPIC® H-B 24 TSH-RO
IP 65 (latched)
NEMA 250, UL50E: 12 (latched)
EPIC® H-B 24 TG
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)
EPIC® H-B 24 TG 2X
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (side cable entry, bolts for single lever, high version)					
70154400	H-B 24 TSH-RO 21		21	yes	5
70154600	H-B 24 TSH-RO 29		29	yes	5
79154400	H-B 24 TSH-RO M25	25			5
79154600	H-B 24 TSH-RO M32	32			5
79154800	H-B 24 TSH-RO M40	40			5
H-B housing: hood (straight cable entry, bolts for double lever)					
10121000	H-B 24 TG 21		21	yes	5
10111000	H-B 24 TG 29		29	yes	5
19121000	H-B 24 TG M25	25			5
19111000	H-B 24 TG M32	32			5
H-B housing: hood (2 straight cable entries, bolts for double lever)					
44422019	H-B 24 TG 2XM25	2 x 25		yes	5
44422020	H-B 24 TG 2XM32	2 x 32		yes	5

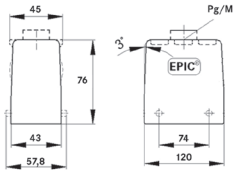
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 24 TGH

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested



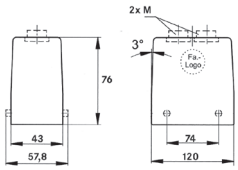


EPIC® H-B 24 TGH 2X

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- For easy introduction of two cables
- Protection rating UL50E tested





Benefits

EPIC® H-B 24 TGH

- Ideal for many applications due to a wide range of housings and inserts

EPIC® H-B 24 TGH 2X

- Ideal for many applications due to a wide range of housings and inserts
- More interior space for wiring

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 24 TGH

- Hood, high version
- Bolts for double lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 24 TGH 2X

- Hood, high version
- Bolts for double lever
- 2 straight cable entries
- Versions without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (straight cable entry, bolts for double lever, high version)					
70150400	H-B 24 TGH 21		21	yes	5
70150600	H-B 24 TGH 29		29	yes	5
79150400	H-B 24 TGH M25	25			5
79150600	H-B 24 TGH M32	32			5
79150800	H-B 24 TGH M40	40			5
H-B housing: hood (2 straight cable entries, bolts for double lever, high version)					
44422021	H-B 24 TGH 2XM25	2 x 25			5
79178500	H-B 24 TGH 2XM32	2 x 32			5

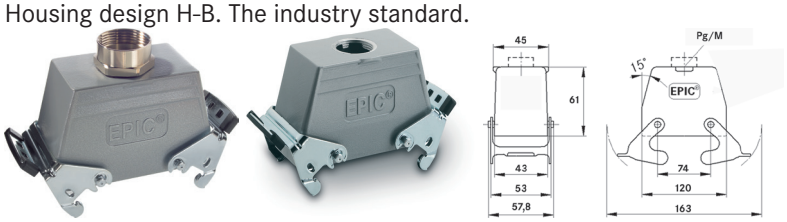
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 24 TGB

Housing design H-B. The industry standard.

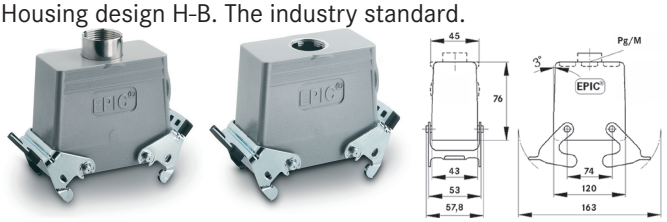


Info

- Non-slip ridges for comfortable disconnecting
- For connection with counterpart with integrated cover
- Protection rating UL50E tested

EPIC® H-B 24 TGBH

Housing design H-B. The industry standard.

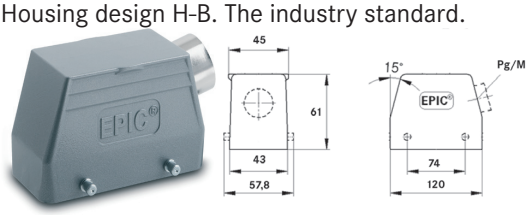


Info

- Non-slip ridges for comfortable disconnecting
- For connection with counterpart with integrated cover
- Protection rating UL50E tested

EPIC® H-B 24 TS

Housing design H-B. The industry standard.



Info

- Non-slip ridges for comfortable disconnecting
- Protection rating UL50E tested

Benefits

EPIC® H-B 24 TGB
- Ideal for many applications due to a wide range of housings and inserts
- Double lever version with 2 levers for increased safety

EPIC® H-B 24 TGBH
- Ideal for many applications due to a wide range of housings and inserts
- More interior space for wiring

EPIC® H-B 24 TS
- Ideal for many applications due to a wide range of housings and inserts

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 24 TGB
- Hood, low version
- Dual levers
- Straight cable entry
- Versions with / without neck

EPIC® H-B 24 TGBH
- Hood, high version
- Dual levers
- Straight cable entry
- Versions with / without neck

EPIC® H-B 24 TS
- Hood, low version
- Bolts for double lever
- Side cable entry
- Versions with neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (straight cable entry, double lever)					
10122000	H-B 24 TGB 21		21	yes	5
10112000	H-B 24 TGB 29		29	yes	5
19122000	H-B 24 TGB M25	25			5
19112000	H-B 24 TGB M32	32			5
H-B housing: hood (straight cable entry, double lever, high version)					
70155400	H-B 24 TGBH 21		21	yes	5
70155600	H-B 24 TGBH 29		29	yes	5
79155400	H-B 24 TGBH M25	25			5
79155600	H-B 24 TGBH M32	32			5
H-B housing: hood (side cable entry, bolts for double lever)					
10113000	H-B 24 TS 21		21	yes	5
10123000	H-B 24 TS 29		29	yes	5
19113000	H-B 24 TS M25	25		yes	5
19123000	H-B 24 TS M32	32		yes	5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

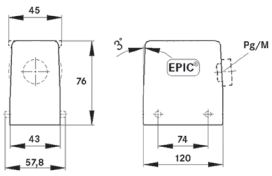
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 24 TSH

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- More interior space for wiring
- Protection rating UL50E tested



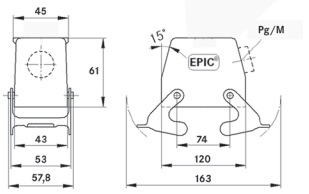


EPIC® H-B 24 TSB

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- For connection with counterpart with integrated cover
- Protection rating UL50E tested



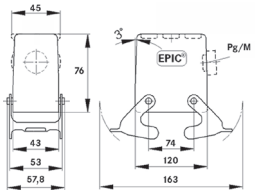


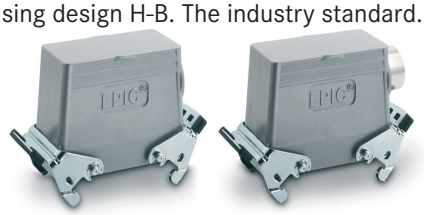
EPIC® H-B 24 TSBH

Housing design H-B. The industry standard.

Info

- Non-slip ridges for comfortable disconnecting
- For connection with counterpart with integrated cover
- Protection rating UL50E tested





Benefits

EPIC® H-B 24 TSH
- Ideal for many applications due to a wide range of housings and inserts

EPIC® H-B 24 TSB
- Ideal for many applications due to a wide range of housings and inserts
- Double lever version with 2 levers for increased safety

EPIC® H-B 24 TSBH
- Ideal for many applications due to a wide range of housings and inserts
- Double lever version with 2 levers for increased safety

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 24 TSH
- Hood, high version
- Bolts for double lever
- Side cable entry
- Versions with / without neck

EPIC® H-B 24 TSB
- Hood, low version
- Dual levers
- Side cable entry
- Versions with neck

EPIC® H-B 24 TSBH
- Hood, high version
- Dual levers
- Side cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (side cable entry, bolts for double lever, high version)					
70152400	H-B 24 TSH 21		21	yes	5
70152600	H-B 24 TSH 29		29	yes	5
79152400	H-B 24 TSH M25	25			5
79152600	H-B 24 TSH M32	32			5
79152800	H-B 24 TSH M40	40			5
H-B housing: hood (side cable entry, double lever)					
10114000	H-B 24 TSB 21		21	yes	5
10124000	H-B 24 TSB 29		29	yes	5
19114000	H-B 24 TSB M25	25		yes	5
19124000	H-B 24 TSB M32	32		yes	5
H-B housing: hood (side cable entry, double lever, high version)					
70157400	H-B 24 TSBH 21		21	yes	5
70157600	H-B 24 TSBH 29		29	yes	5
79157400	H-B 24 TSBH M25	25			5
79157600	H-B 24 TSBH M32	32			5

Photographs are not to scale and do not represent detailed images of the respective products.

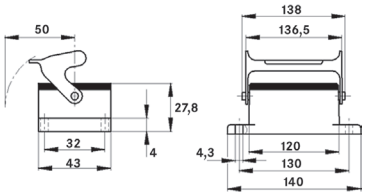
Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 24 AG-LB

Housing design H-B. The industry standard.





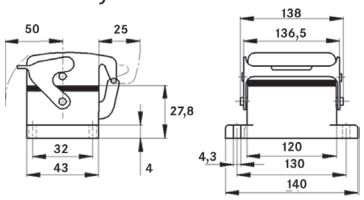
Info

- Universal, robust metal housings size H-B 24
- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

EPIC® H-B 24 AD-LB

Housing design H-B. The industry standard.



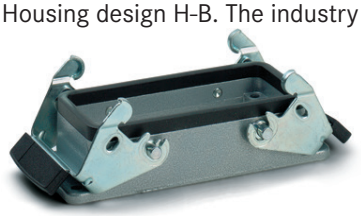


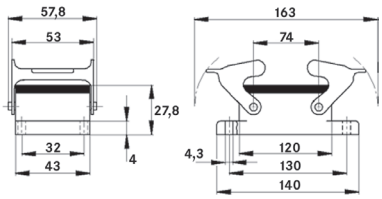
Info

- Metal lid with sturdy hinge
- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

EPIC® H-B 24 AG

Housing design H-B. The industry standard.





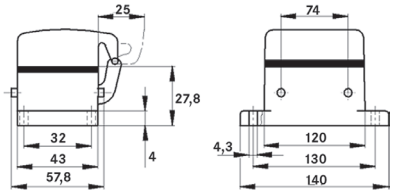
Info

- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested

EPIC® H-B 24 AD-BO

Housing design H-B. The industry standard.





Info

- Metal lid with sturdy hinge
- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested

Benefits

- Safe fixing with 4 screws

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 24 AG-LB

- Panel-mount base
- Single lever
- Included: flat gasket

EPIC® H-B 24 AD-LB

- Panel-mount base
- Single lever
- Metal cover
- Included: flat gasket

EPIC® H-B 24 AG

- Panel-mount base
- Dual levers
- Included: flat gasket

EPIC® H-B 24 AD-BO

- Panel-mount base
- Bolts for double lever
- Metal cover
- Included: flat gasket

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
EPIC® H-B 24 AG-LB
EPIC® H-B 24 AD-LB
IP 65 (latched)
NEMA 250, UL50E: 12 (latched)
EPIC® H-B 24 AG
EPIC® H-B 24 AD-BO
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested: UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Pieces / PU
H-B housing: panel-mount base (single lever)		
10102900	H-B 24 AG-LB	5
H-B housing: panel-mount base (cover, single lever)		
10103900	H-B 24 AD-LB	5
H-B housing: panel-mount base (double lever)		
10102000	H-B 24 AG	5
H-B housing: panel-mount base (cover, bolts for double lever)		
10103000	H-B 24 AD-BO	5

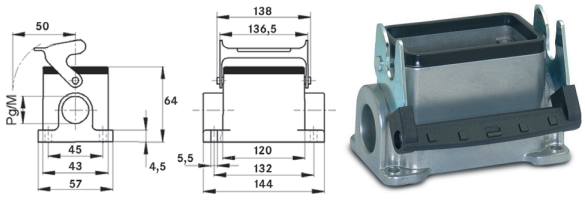
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-B 24 SGR-LB

Housing design H-B. The industry standard.

Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

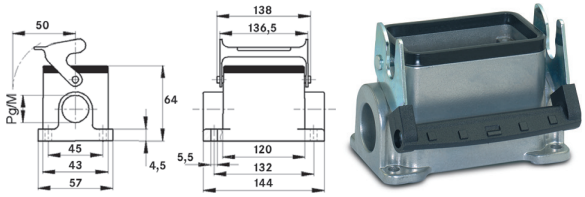


EPIC® H-B 24 SGRL-LB

Housing design H-B. The industry standard.

Info

- For easy introduction of two cables
- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested



Benefits

- Safe fixing with 4 screws
- Casted neck for easy assembly of the cable gland

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 24 SGR-LB

- Surface-mount base, low version
- Single lever
- 1 cable entry

EPIC® H-B 24 SGRL-LB

- Surface-mount base, low version
- Single lever
- 2 cable entries

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (1 cable entry, single lever)				
10104900	H-B 24 SGR-LB 21		21	5
19104900	H-B 24 SGR-LB M25	25		5
H-B housing: surface-mount base (2 cable entries, single lever)				
10105900	H-B 24 SGRL-LB 21		21	5
19105900	H-B 24 SGRL-LB M25	25		5

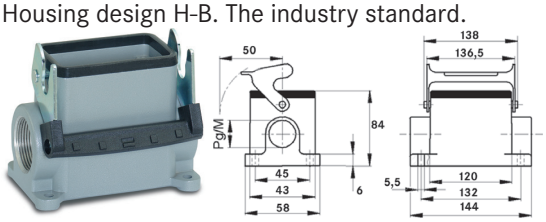
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 24 SGRH-LB

Housing design H-B. The industry standard.

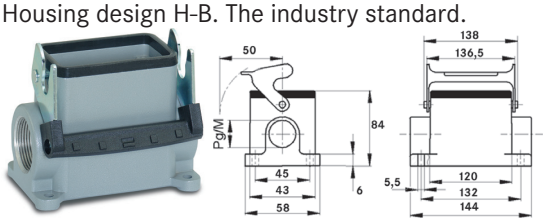


Info

- More interior space for wiring
- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

EPIC® H-B 24 SGRLH-LB

Housing design H-B. The industry standard.

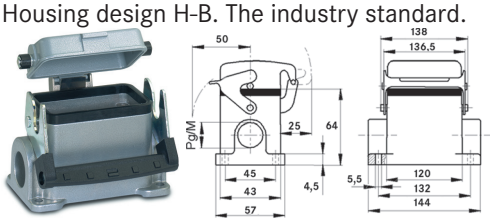


Info

- More interior space for wiring
- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

EPIC® H-B 24 SDR-LB

Housing design H-B. The industry standard.



Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Metal lid with sturdy hinge
- Protection rating UL50E tested

Benefits

- Safe fixing with 4 screws
- Casted neck for easy assembly of the cable gland

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 24 SGRH-LB

- Surface-mount base, high version
- Single lever
- 1 cable entry

EPIC® H-B 24 SGRLH-LB

- Surface-mount base, high version
- Single lever
- 2 cable entries

EPIC® H-B 24 SDR-LB

- Surface-mount base, low version
- Single lever
- 1 cable entry
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (1 cable entry, single lever, high version)				
70160200	H-B 24 SGRH-LB 21		21	5
70160400	H-B 24 SGRH-LB 29		29	5
79160200	H-B 24 SGRH-LB M25	25		5
79160400	H-B 24 SGRH-LB M32	32		5
H-B housing: surface-mount base (2 cable entries, single lever, high version)				
70161200	H-B 24 SGRLH-LB 21		21	5
70161400	H-B 24 SGRLH-LB 29		29	5
79161200	H-B 24 SGRLH-LB M25	25		5
79161400	H-B 24 SGRLH-LB M32	32		5
H-B housing: surface-mount base (cover, 1 cable entry, single lever)				
10107900	H-B 24 SDR-LB 21		21	5
19107900	H-B 24 SDR-LB M25	25		5

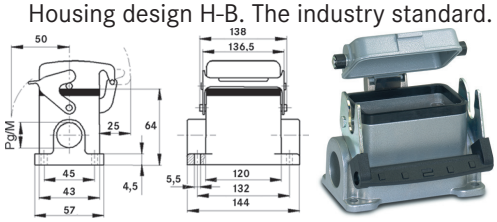
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 24 SDRL-LB

Housing design H-B. The industry standard.

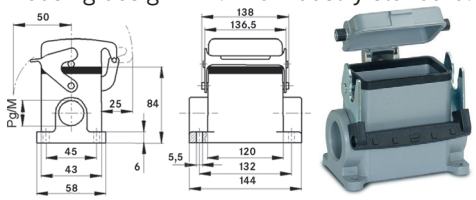


Info

- For easy introduction of two cables
- Metal lid with sturdy hinge
- Protection rating UL50E tested

EPIC® H-B 24 SDRH-LB

Housing design H-B. The industry standard.

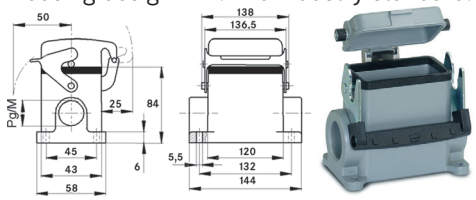


Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Metal lid with sturdy hinge
- Protection rating UL50E tested

EPIC® H-B 24 SDRLH-LB

Housing design H-B. The industry standard.



Info

- More interior space for wiring
- Metal lid with sturdy hinge
- Protection rating UL50E tested

Benefits

EPIC® H-B 24 SDRL-LB
- Safe fixing with 4 screws
- Casted neck for easy assembly of the cable gland
- Single Lever version for quick locking and simple unlocking with lifting aid

EPIC® H-B 24 SDRH-LB
- Safe fixing with 4 screws
- Casted neck for easy assembly of the cable gland
- More interior space for wiring

EPIC® H-B 24 SDRLH-LB
- Safe fixing with 4 screws
- Casted neck for easy assembly of the cable gland
- Single Lever version for quick locking and simple unlocking with lifting aid

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 24 SDRL-LB
- Surface-mount base, low version
- Single lever
- 2 cable entries
- Metal cover

EPIC® H-B 24 SDRH-LB
- Surface-mount base, high version
- Single lever
- 1 cable entry
- Metal cover

EPIC® H-B 24 SDRLH-LB
- Surface-mount base, high version
- Single lever
- 2 cable entries
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (cover, 2 cable entries, single lever)				
10109900	H-B 24 SDRL-LB 21		21	5
19109900	H-B 24 SDRL-LB M25	25		5
H-B housing: surface-mount base (cover, 1 cable entry, single lever, high version)				
70164200	H-B 24 SDRH-LB 21		21	5
70164400	H-B 24 SDRH-LB 29		29	5
79164200	H-B 24 SDRH-LB M25	25		5
79164400	H-B 24 SDRH-LB M32	32		5
H-B housing: surface-mount base (cover, 2 cable entries, single lever, high version)				
70165200	H-B 24 SDRLH-LB 21		21	5
70165400	H-B 24 SDRLH-LB 29		29	5
79165200	H-B 24 SDRLH-LB M25	25		5
79165400	H-B 24 SDRLH-LB M32	32		5

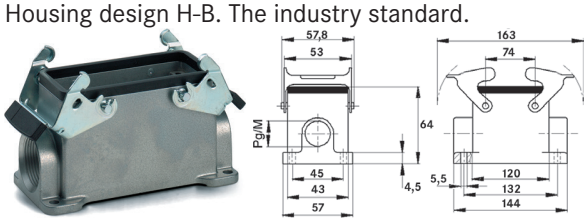
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 24 SGR

Housing design H-B. The industry standard.

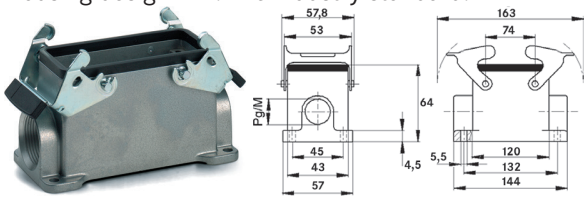


Info

- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested

EPIC® H-B 24 SGRL

Housing design H-B. The industry standard.

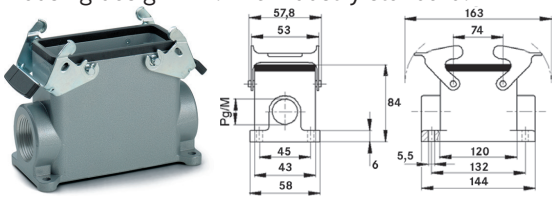


Info

- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested

EPIC® H-B 24 SGRH

Housing design H-B. The industry standard.



Info

- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested

Benefits

- Safe fixing with 4 screws
- Casted neck for easy assembly of the cable gland

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 24 SGR

- Surface-mount base, low version
- Dual levers
- 1 cable entry

EPIC® H-B 24 SGRL

- Surface-mount base, low version
- Dual levers
- 2 cable entries

EPIC® H-B 24 SGRH

- Surface-mount base, high version
- Dual levers
- 1 cable entry

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (1 cable entry, double lever)				
10104000	H-B 24 SGR 21		21	5
19104000	H-B 24 SGR M25	25		5
H-B housing: surface-mount base (2 cable entries, double lever)				
10105000	H-B 24 SGRL 21		21	5
19105000	H-B 24 SGRL M25	25		5
H-B housing: surface-mount base (1 cable entry, double lever, high version)				
70135200	H-B 24 SGRH 21		21	5
70135400	H-B 24 SGRH 29		29	5
79135200	H-B 24 SGRH M25	25		5
79135400	H-B 24 SGRH M32	32		5

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

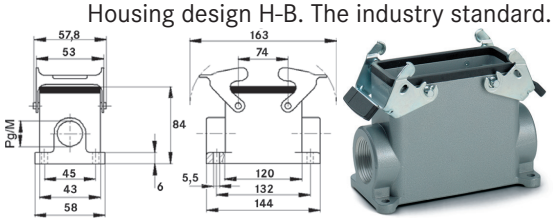
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 24 SGRLH

Housing design H-B. The industry standard.

Info

- More interior space for wiring
- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested

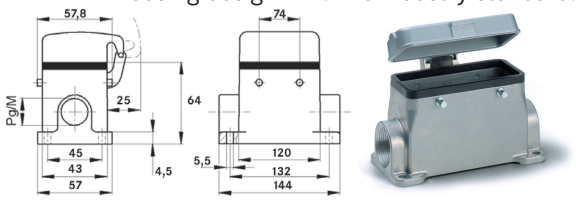


EPIC® H-B 24 SDR-BO

Housing design H-B. The industry standard.

Info

- Metal lid with sturdy hinge
- Protection rating UL50E tested

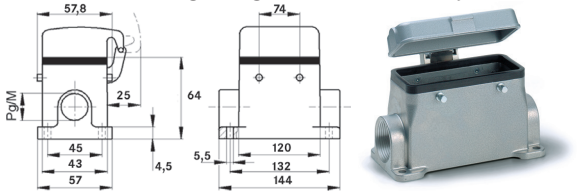


EPIC® H-B 24 SDRL-BO

Housing design H-B. The industry standard.

Info

- For easy introduction of two cables
- Metal lid with sturdy hinge
- Protection rating UL50E tested



Benefits

- Safe fixing with 4 screws
- Casted neck for easy assembly of the cable gland

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 24 SGRLH

- Surface-mount base, high version
- Dual levers
- 2 cable entries

EPIC® H-B 24 SDR-BO

- Surface-mount base, low version
- Bolts for double lever
- 1 cable entry
- Metal cover

EPIC® H-B 24 SDRL-BO

- Surface-mount base, low version
- Bolts for double lever
- 2 cable entries
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (2 cable entries, double lever, high version)				
70136200	H-B 24 SGRLH 21		21	5
70136400	H-B 24 SGRLH 29		29	5
79136200	H-B 24 SGRLH M25	25		5
79136400	H-B 24 SGRLH M32	32		5
H-B housing: surface-mount base (cover, 1 cable entry, bolts for double lever)				
10107000	H-B 24 SDR-BO 21		21	5
19107000	H-B 24 SDR-BO M25	25		5
H-B housing: surface-mount base (cover, 2 cable entries, bolts for double lever)				
10109000	H-B 24 SDRL-BO 21		21	5
19109000	H-B 24 SDRL-BO M25	25		5

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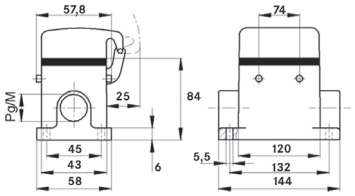
Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 24 SDRH-BO

Housing design H-B. The industry standard.





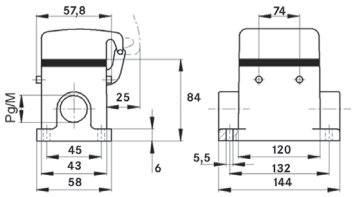
Info

- More interior space for wiring
- Metal lid with sturdy hinge
- Protection rating UL50E tested

EPIC® H-B 24 SDRLH-BO

Housing design H-B. The industry standard.





Info

- For easy introduction of two cables
- Metal lid with sturdy hinge
- Protection rating UL50E tested

Benefits

EPIC® H-B 24 SDRH-BO

- Safe fixing with 4 screws
- Casted neck for easy assembly of the cable gland

EPIC® H-B 24 SDRLH-BO

- Safe fixing with 4 screws
- Casted neck for easy assembly of the cable gland
- More interior space for wiring

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 24 SDRH-BO

- Surface-mount base, high version
- Bolts for double lever
- 1 cable entry
- Metal cover

EPIC® H-B 24 SDRLH-BO

- Surface-mount base, high version
- Bolts for double lever
- 2 cable entries
- Metal cover

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (cover, 1 cable entry, bolts for double lever, high version)				
70145200	H-B 24 SDRH-BO 21		21	5
70145400	H-B 24 SDRH-BO 29		29	5
79145400	H-B 24 SDRH-BO M32	32		5
H-B housing: surface-mount base (cover, 2 cable entries, bolts for double lever, high version)				
70146200	H-B 24 SDRLH-BO 21		21	5
70146400	H-B 24 SDRLH-BO 29		29	5
79146400	H-B 24 SDRLH-BO M32	32		5

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Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 24 TBF-LB

Housing design H-B. The industry standard.

Info

- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested



EPIC® H-B 24 TBFH-LB

Housing design H-B. The industry standard.

Info

- More interior space for wiring
- Single Lever version for quick locking and simple unlocking with lifting aid
- Protection rating UL50E tested

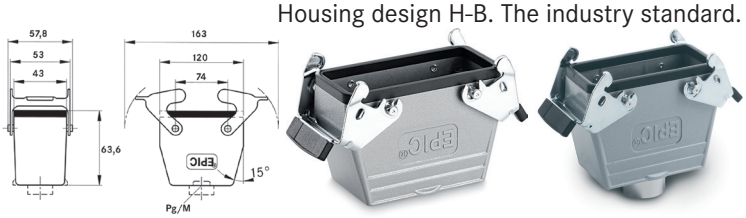


EPIC® H-B 24 TBF

Housing design H-B. The industry standard.

Info

- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested



Benefits

- Safe fixing with 4 screws
- Casted neck for easy assembly of the cable gland

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

EPIC® H-B 24 TBF-LB

- Cable coupler hood, low version
- Single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 24 TBFH-LB

- Cable coupler hood, high version
- Single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 24 TBF

- Cable coupler hood, low version
- Dual levers
- Straight cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
EPIC® H-B 24 TBF-LB
IP 65 (latched)
NEMA 250, UL50E: 12 (latched)
EPIC® H-B 24 TBFH-LB
IP 65 (latched)
NEMA 250, UL50E: 12 (latched)
EPIC® H-B 24 TBF
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Accessories

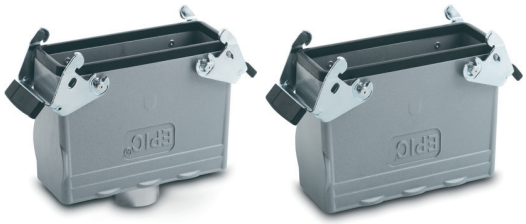
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

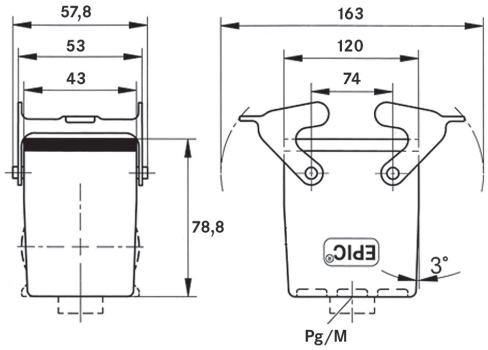
Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: cable coupler hood (1 straight cable entry, single lever)					
10127900	H-B 24 TBF-LB 21		21	yes	5
10117900	H-B 24 TBF-LB 29		29	yes	5
19127900	H-B 24 TBF-LB M25	25			5
19117900	H-B 24 TBF-LB M32	32			5
H-B housing: cable coupler hood (1 straight cable entry, single lever, high version)					
70142400	H-B 24 TBFH-LB 21		21	yes	5
79142400	H-B 24 TBFH-LB M25	25			5
79142600	H-B 24 TBFH-LB M32	32			5
H-B housing: cable coupler hood (straight cable entry, double lever)					
10127000	H-B 24 TBF 21		21	yes	5
10117000	H-B 24 TBF 29		29	yes	5
19127000	H-B 24 TBF M25	25			5
19117000	H-B 24 TBF M32	32			5

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EPIC® H-B 24 TBFH

Housing design H-B. The industry standard.





Info

- More interior space for wiring
- Double lever version with 2 levers for increased safety
- Protection rating UL50E tested

Benefits

- Safe fixing with 4 screws
- Casted neck for easy assembly of the cable gland

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

- Cable coupler hood, high version
- Dual levers
- Straight cable entry
- Versions with / without neck

Suitable inserts

- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

VDE-tested
Certified production control:
VDE-REG.no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: cable coupler hood (straight cable entry, double lever, high version)					
70140400	H-B 24 TBFH 21		21	yes	5
70140600	H-B 24 TBFH 29		29	yes	5
79140400	H-B 24 TBFH M25	25			5
79140600	H-B 24 TBFH M32	32			5

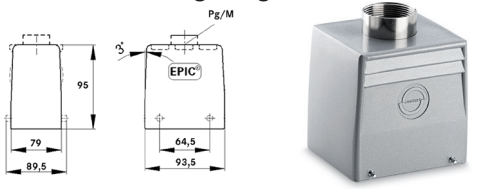
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

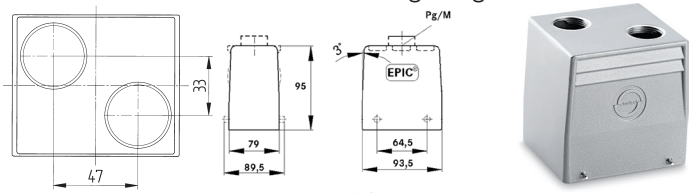
EPIC® H-B 32 TG

Housing design H-B for 2 inserts.



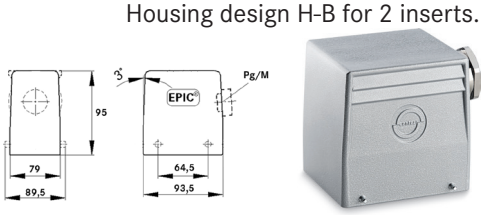
EPIC® H-B 32 TG 2X

Housing design H-B for 2 inserts.



EPIC® H-B 32 TS

Housing design H-B for 2 inserts.



Benefits

- Two inserts in one housing. With two levers for high safety

Application range

- Plant engineering
- Control engineering
- Plastics industry

Product features

EPIC® H-B 32 TG

- Hood
- Bolts for double lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 32 TG 2X

- Hood
- Bolts for double lever
- 2 straight cable entries
- Versions without neck

EPIC® H-B 32 TS

- Hood
- Bolts for double lever
- Side cable entry
- Versions with / without neck

Suitable inserts

- The H-B 32 housings can also be assembled with 2 different inserts of size H-B 16
- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (straight cable entry, bolts for double lever)					
10133000	H-B 32 TG 21		21	yes	5
10134000	H-B 32 TG 29		29	yes	5
19134000	H-B 32 TG M32	32			5
19134400	H-B 32 TG M40	40			5
H-B housing: hood (2 straight cable entries, bolts for double lever)					
44422022	H-B 32 TG 2XM25	2 x 25			5
44422023	H-B 32 TG 2XM32	2 x 32			5
H-B housing: hood (side cable entry, bolts for double lever)					
10135000	H-B 32 TS 21		21	yes	5
10136000	H-B 32 TS 29		29	yes	5
10135600	H-B 32 TS 29		29		5
19135000	H-B 32 TS M25	25			5
19136000	H-B 32 TS M32	32			5
19136200	H-B 32 TS M40	40			5

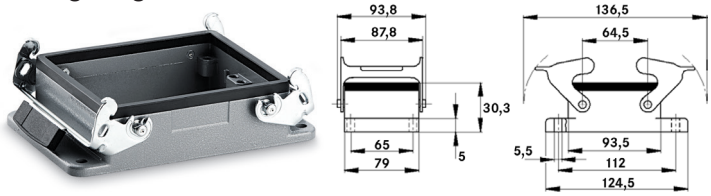
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

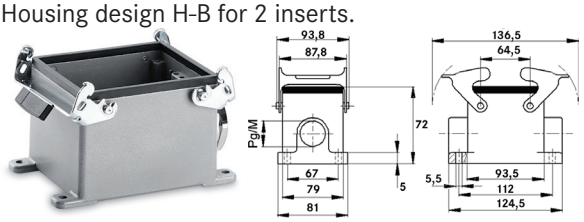
EPIC® H-B 32 AG

Housing design H-B for 2 inserts.



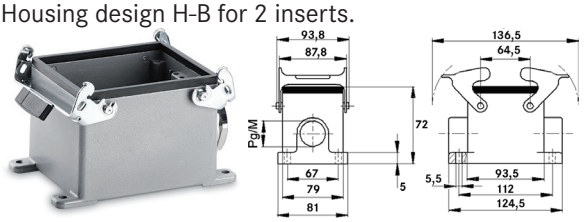
EPIC® H-B 32 SGR

Housing design H-B for 2 inserts.



EPIC® H-B 32 SGRL

Housing design H-B for 2 inserts.



Benefits

- Two inserts in one housing. With two levers for high safety

Application range

- Plant engineering
- Control engineering
- Plastics industry

Product features

EPIC® H-B 32 AG

- Panel-mount base
- Dual levers
- Included: flat gasket

EPIC® H-B 32 SGR

- Surface-mount base
- Dual levers
- 1 cable entry

EPIC® H-B 32 SGRL

- Surface-mount base
- Dual levers
- 2 cable entries

Suitable inserts

- The H-B 32 housings can also be assembled with 2 different inserts of size H-B 16
- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)

VDE-tested
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	M	PG	Pieces / PU
H-B housing: panel-mount base (double lever)				
10132000	H-B 32 AG			5
H-B housing: surface-mount base (1 cable entry, double lever)				
10137000	H-B 32 SGR 29		29	5
19137000	H-B 32 SGR M32	32		5
19146400	H-B 32 SGR M40	40		5
H-B housing: surface-mount base (2 cable entries, double lever)				
10138000	H-B 32 SGRL 29		29	5
19138000	H-B 32 SGRL M32	32		5
19145400	H-B 32 SGRL M40	40		5

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Accessories

EPIC® H-B 32 SGR

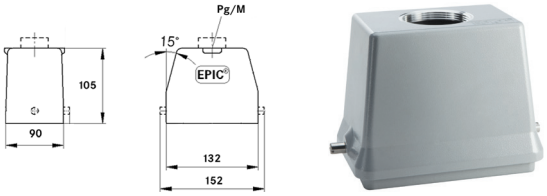
- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® H-B 32 SGRL

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

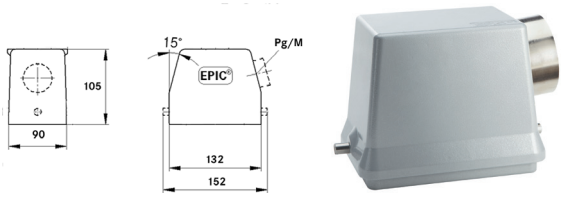
EPIC® H-B 48 TG

Housing design H-B for 2 inserts.



EPIC® H-B 48 TS

Housing design H-B for 2 inserts.



Benefits

- The large, robust housing for two inserts in one connector. Power and data in a single connector

Application range

- Plant engineering
- Plastics industry

Product features

EPIC® H-B 48 TG

- Hood
- Bolts for single lever
- Straight cable entry
- Versions with / without neck

EPIC® H-B 48 TS

- Hood
- Bolts for single lever
- Side cable entry
- Versions with / without neck

Suitable inserts

- The H-B 48 housings can also be assembled with 2 different inserts of size H-B 24
- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Neck	Pieces / PU
H-B housing: hood (straight cable entry, bolts for single lever)					
10155000	H-B 48 TG 29		29	yes	1
10156000	H-B 48 TG 36		36	yes	1
10156200	H-B 48 TG 36		36		1
10157000	H-B 48 TG 42		42	yes	1
19155000	H-B 48 TG M32	32			1
19156000	H-B 48 TG M40	40			1
19157000	H-B 48 TG M50	50			1
H-B housing: hood (side cable entry, bolts for single lever)					
10158000	H-B 48 TS 29		29	yes	1
10159000	H-B 48 TS 36		36	yes	1
10159200	H-B 48 TS 36		36		1
10160000	H-B 48 TS 42		42	yes	1
19158000	H-B 48 TS M32	32			1
19159000	H-B 48 TS M40	40			1
19160000	H-B 48 TS M50	50			1

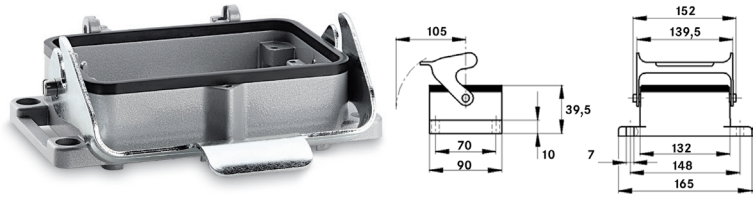
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

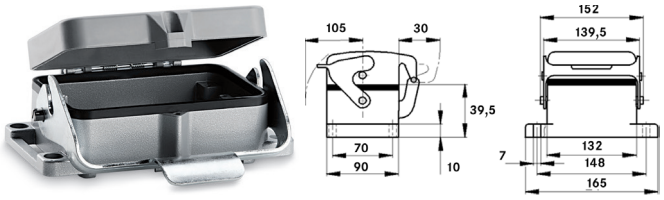
EPIC® H-B 48 AG-LB

Housing design H-B for 2 inserts.



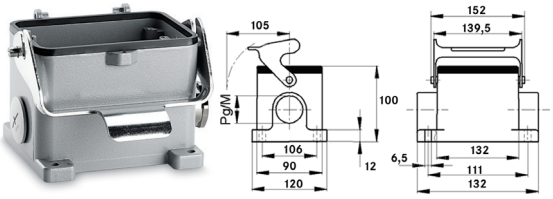
EPIC® H-B 48 AD-LB

Housing design H-B for 2 inserts.



EPIC® H-B 48 SGR-LB

Housing design H-B for 2 inserts.



Benefits

- The large, robust housing for two inserts in one connector. Power and data in a single connector

Application range

- Plant engineering
- Plastics industry

Product features

EPIC® H-B 48 AG-LB

- Panel-mount base
- Single lever
- Included: flat gasket

EPIC® H-B 48 AD-LB

- Panel-mount base
- Single lever
- Plastic cover
- Included: flat gasket

EPIC® H-B 48 SGR-LB

- Surface-mount base
- Single lever
- 1 cable entry

Suitable inserts

- The H-B 48 housings can also be assembled with 2 different inserts of size H-B 24
- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article description	M	PG	Pieces / PU
H-B housing: panel-mount base (single lever)				
10161000	H-B 48 AG-LB			1
H-B housing: panel-mount base (cover, single lever)				
10152000	H-B 48 AD-LB			1
H-B housing: surface-mount base (1 cable entry, single lever)				
10165000	H-B 48 SGR 29		29	1
10165100	H-B 48 SGR 36		36	1
19165000	H-B 48 SGR M32	32		1
19165100	H-B 48 SGR M40	40		1

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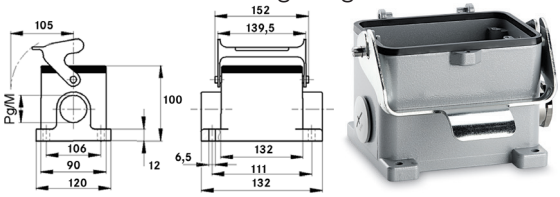
Accessories

EPIC® H-B 48 SGR-LB

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

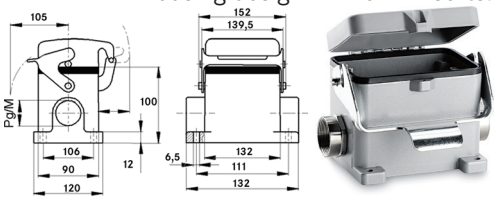
EPIC® H-B 48 SGRL-LB

Housing design H-B for 2 inserts.



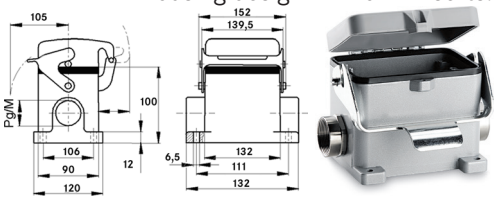
EPIC® H-B 48 SDR-LB

Housing design H-B for 2 inserts.



EPIC® H-B 48 SDRL-LB

Housing design H-B for 2 inserts.



Benefits

- The large, robust housing for two inserts in one connector. Power and data in a single connector

Application range

- Plant engineering
- Plastics industry

Product features

EPIC® H-B 48 SGRL-LB

- Surface-mount base
- Single lever
- 2 cable entries

EPIC® H-B 48 SDR-LB

- Surface-mount base
- Single lever
- 1 cable entry
- Plastic cover

EPIC® H-B 48 SDRL-LB

- Surface-mount base
- Single lever
- 2 cable entries
- Plastic cover

Suitable inserts

- The H-B 48 housings can also be assembled with 2 different inserts of size H-B 24
- Refer to Selection Table A10 to select the required inserts and housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR

Protection rating
IP 65 (latched)

Temperature range
-40°C to +100°C,
short-term up to +125°C

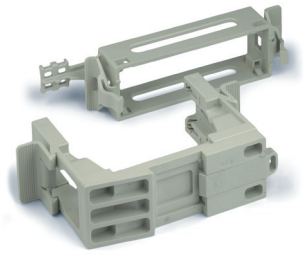
Article number	Article description	M	PG	Pieces / PU
H-B housing: surface-mount base (2 cable entries, single lever)				
10166000	H-B 48 SGRL 29		29	1
10166100	H-B 48 SGRL 36		36	1
19166000	H-B 48 SGRL M32	32		1
19166100	H-B 48 SGRL M40	40		1
H-B housing: surface-mount base (cover, 1 cable entry, single lever)				
10167000	H-B 48 SDR 29		29	1
10167100	H-B 48 SDR 36		36	1
19167000	H-B 48 SDR M32	32		1
19167100	H-B 48 SDR M40	40		1
H-B housing: surface-mount base (cover, 2 cable entries, single lever)				
10168000	H-B 48 SDRL 29		29	1
10168100	H-B 48 SDRL 36		36	1
19168000	H-B 48 SDRL M32	32		1
19168100	H-B 48 SDRL M40	40		1

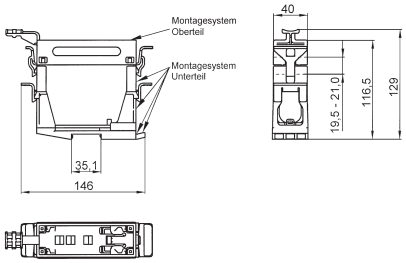
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-M refer to main catalogue
- SKINTOP® for industrial connectors refer to main catalogue
- Easy to install refer to main catalogue

EPIC® QUICK & EASY Mounting system





Info

- Mounting system for control cabinets

Application range

- Control cabinet manufacturing

Product features

- For mounting inserts on top-hat rails according to DIN EN 50022
- Available as a complete set or as single parts (top part for use as a cable connector, bottom part for mounting on a top-hat rail)
- QUICK & EASY top parts are available in housing types H-B 6, H-B 10, H-B 16, H-B 24. The suitable size (number of contacts) of the different insert types are listed at the connector housings (H-B 6 ..H-B 24)

Technical data

Classification
ETIM 5.0 Class-ID: EC002312
ETIM 5.0 Class-Description: Contact insert holder for industrial connectors

Article number	Article description	Material	Version	Cycles	Pieces / PU
QUICK & EASY complete set					
10027000	EPIC® H-B 6 Q+E Set	Polycarbonate	Complete, for inserts size H-B 6	max. 50	1
10027100	EPIC® H-B 10 Q+E Set	Polycarbonate	Complete, for inserts size H-B 10	max. 50	1
10027200	EPIC® H-B 16 Q+E Set	Polycarbonate	Complete, for inserts size H-B 16	max. 50	1
10027300	EPIC® H-B 24 Q+E Set	Polycarbonate	Complete, for inserts size H-B 24	max. 50	1
QUICK & EASY top part					
10027410	EPIC® H-B 6 Q+E top part	Polycarbonate	For inserts size H-B 6	max. 50	10
10027510	EPIC® H-B 10 Q+E top part	Polycarbonate	For inserts size H-B 10	max. 50	10
10027610	EPIC® H-B 16 Q+E top part	Polycarbonate	For inserts size H-B 16	max. 50	10
10027710	EPIC® H-B 24 Q+E top part	Polycarbonate	For inserts size H-B 24	max. 50	10
QUICK & EASY bottom part					
10027810	EPIC® H-B 6-24 Q+E bottom part	Polycarbonate	For inserts size H-B 6 - 24	max. 50	10

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EPIC® QUICK & EASY Accessories





Application range

- Accessories for an effective use of EPIC® rectangular connectors
- This tool is used to lift built-in inserts out of the Q+E frames

Technical data

Classification
ETIM 5.0 Class-ID: EC002311
ETIM 5.0 Class-Description: Coding for industrial connectors

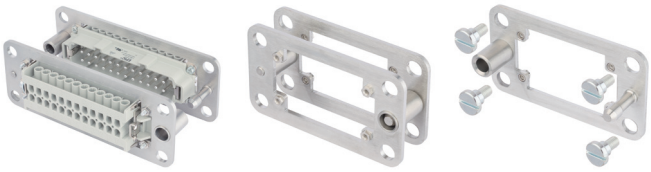
Article number	Article description	Version	Pieces / PU
QUICK & EASY removal tool			
10028100	QUICK & EASY removal tool		1
QUICK & EASY coding set			
10028000	EPIC® Q+E Coding set	Key pin + coding plug	50

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EPIC® Docking frame

Info

- Mounting system for control cabinets
- For float-mounting fixing of the inserts



Application range

- Control cabinet manufacturing
- Wind power plants

Product features

- Scope of delivery for one part:
  1 frame + 4 screws
- Special screws adapted to frame
- Pull-In range in x and y axis: + - 1,5mm

Technical data

Classification
ETIM 5.0 Class-ID: EC002312
ETIM 5.0 Class-Description: Contact insert holder for industrial connectors

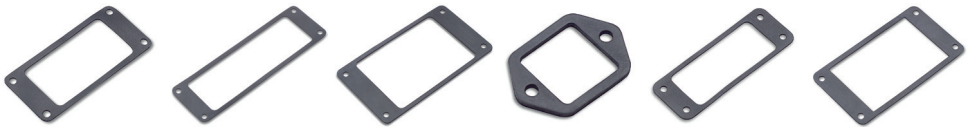
Material
Docking frame: stainless steel
Screws: steel zinc plated

Cycle of mechanical operation
500

Article number	Article description	Version	Pieces / PU
EPIC® Docking frame			
44429440	H-B 6 DF	4 fixing screws each included	2
44429441	H-B 10 DF	4 fixing screws each included	2
44429442	H-B 16 DF	4 fixing screws each included	2
44429443	H-B 24 DF	4 fixing screws each included	2

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EPIC® Flat gaskets for housings H-A and H-B



EPIC® Fixing screws



Application range

- Accessories for an effective use of EPIC® rectangular connectors

Product features

EPIC® Flat gaskets for housings H-A and H-B

- Flat gaskets as spare parts for panel-mount base

EPIC® Fixing screws

- Spare parts for fastening inserts in H-A 3 housings

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Article number	Article description	Pieces / PU
Flat gasket for panel-mount base H-A		
10607100	Flat gasket for panel-mount base H-A 3	10
10607200	Flat gasket for panel-mount base H-A 10	10
10607300	Flat gasket for panel-mount base H-A 16	10
10607600	Flat gasket for panel-mount base H-A 32	10
Flat gasket for panel-mount base H-B		
10051000	Flat gasket for panel-mount base H-B 6	10
10051200	Flat gasket for panel-mount base H-B 10	10
10051400	Flat gasket for panel-mount base H-B 16	10
10051600	Flat gasket for panel-mount base H-B 24	10
10052000	Flat gasket for panel-mount base H-B 32/H-A 48	10
10052200	Flat gasket for panel-mount base H-B 48	10
Fastening screws		
44423017	Screw with O-ring for EPIC H-A 3/4, H-D7/8, H-Q 5	10
44423041	Screw with O-ring for EPIC Ultra H-A 3	10
44423018	EPIC® STA Screw	10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Coding parts



Application range

- Accessories for an effective use of EPIC® rectangular connectors

Product features

- For rectangular connector inserts, the key pin replaces one or more fastening screws. This enables simple coding.
- In rectangular connector inserts, the guide pin replaces the fastening screws on one side and on the other side the guide socket replaces the screw. This enables a lot of coding possibilities. Also the connector gets a perfect guiding and prevents a skew mating.
- With these inserts, the H-A 3/H-A 4 Codepin is pressed into a socket contact. The corresponding pin contact is removed, meaning one electrical contact will be lost.

Technical data

Classification
ETIM 5.0 Class-ID: EC002311
ETIM 5.0 Class-Description: Coding for industrial connectors

Article number	Article description	Pieces / PU
EPIC® H-A 3/4 Code pin		
10451400	EPIC® H-A 3/4 Code pin (50)	50
Key pin		
10019000	EPIC® Key pin (50)	50
Guide pin, guide socket		
11281000	EPIC® Guide socket (50)	50
11280000	EPIC® Guide pin (50)	50
EPIC® H-Q 12 Codepin		
44424052	EPIC® H-Q 12 Key Pin (20)	20

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Protective cover H-A 3



EPIC® Protective cover H-A



EPIC® Protective cover H-B



Product features

EPIC® Protective cover H-A 3

- Protective cover made of thermoplastics and metal for H-A 3 housings
- Retaining cord with cable lug for attachment with screw on mounting base or wall
- Retaining cord with variable loop for attachment to the cable

EPIC® Protective cover H-A

- Retaining cord with cable lug for attachment with screw on mounting base or wall
- Retaining cord with variable loop for attachment to the cable
- Protective cover made of thermoplastics for H-A 10, H-A 16, H-A 32, H-A 48 housings

EPIC® Protective cover H-B

- Retaining cord with cable lug for attachment with screw on mounting base or wall
- Retaining cord with variable loop for attachment to the cable
- Protective cover made of thermoplastics for H-B 6, H-B 10, H-B 16, H-B 24, H-B 32 housings

Technical data

Classification
ETIM 5.0 Class-ID: EC002314
ETIM 5.0 Class-Description: Cap for industrial connectors

Article number	Article description	Version	Bolts	Securing cord	Clamp	Material	Pieces / PU
For H-A 3 panel-mount base, surface-mount base, cable coupler hood with male or female inserts							
10513000	H-A 3 MDBF-S	for housing H-A 3 with male inserts	2	with cable lug		Metal	10
10513100	H-A 3 MDBF-B	for housing H-A 3 with female inserts	2	with cable lug		Metal	10
For H-A 3 panel-mount base, surface-mount base, cable coupler hood with male inserts							
10430000	H-A 3 KDB-S	for housing H-A 3 with male inserts	2			Plastic	10
10430400	H-A 3 KDBF-S	for housing H-A 3 with male inserts	2	with cable lug		Plastic	10
For H-A 3 panel-mount base, surface-mount base, cable coupler hood with female inserts							
10430300	H-A 3 KDB-B	for housing H-A 3 with female inserts	2			Plastic	10
10430100	H-A 3 KDBF-B	for housing H-A 3 with female inserts	2	with cable lug		Plastic	10
with bolts for H-A 10-32 panel-mount base, surface-mount base, cable coupler hood							
10457700	H-A 10 KDB	for housing H-A 10	2			Plastic	5
10469700	H-A 16 KDB	for housing H-A 16	2			Plastic	5
10481700	H-A 32 KDB	for housing H-A 32	4			Plastic	5
10457500	H-A 10 KDBF	for housing H-A 10	2	with cable lug		Plastic	5
10469500	H-A 16 KDBF	for housing H-A 16	2	with cable lug		Plastic	5
10481500	H-A 32 KDBF	for housing H-A 32	4	with cable lug		Plastic	10
with lever for H-A 10-32 hoods							
10457800	H-A 10 KDT	for H-A 10 hood			2 snap-in hooks	Plastic	5
10469800	H-A 16 KDT	for H-A 16 hood			2 snap-in hooks	Plastic	5
10481800	H-A 32 KDT	for H-A 32 hood			4 snap-in hooks	Plastic	5
10457600	H-A 10 KDTF	for H-A 10 hood		with loop	2 snap-in hooks	Plastic	5
10469600	H-A 16 KDTF	for H-A 16 hood		with loop	2 snap-in hooks	Plastic	5
10481600	H-A 32 KDT	for H-A 32 hood		with loop	4 snap-in hooks	Plastic	10
with bolts for H-B 6-24 panel-mount base, surface-mount base, cable coupler hood							
10015000	H-B 6 KDB	for housing H-B 6	2	with cable lug		Plastic	10
10047000	H-B 10 KDB	for housing H-B 10	4	with cable lug		Plastic	10
10087000	H-B 16 KDB	for housing H-B 16	4	with cable lug		Plastic	5
10118000	H-B 24 KDB	for housing H-B 24	4	with cable lug		Plastic	5

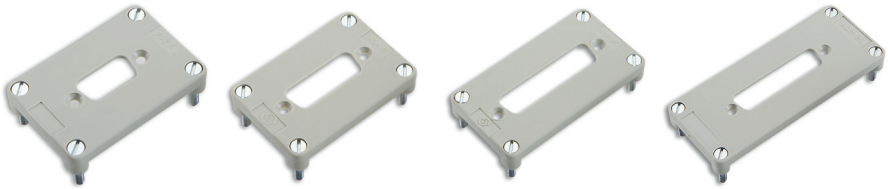
Article number	Article description	Version	Bolts	Securing cord	Clamp	Material	Pieces / PU
with lever for H-B 6-24 hood with bolts							
10016500	H-B 6 KDT	for H-B 6 hood		with loop	Single lever	Plastic	10
10048500	H-B 10 KDT	for H-B 10 hood		with loop	Double Lever	Plastic	10
10088500	H-B 16 KDT	for H-B 16 hood		with loop	Double Lever	Plastic	5
10119500	H-B 24 KDT	for H-B 24 hood		with loop	Double Lever	Plastic	5
with bolts for H-B 6-24 hoods with levers							
10015100	H-B 6 KDBP	for H-B 6 hood	2	with loop		Plastic	10
10047100	H-B 10 KDBP	for H-B 10 hood	4	with loop		Plastic	10
10087100	H-B 16 KDBP	for H-B 16 hood	4	with loop		Plastic	10
10118100	H-B 24 KDBP	for H-B 24 hood	4	with loop		Plastic	5
with bolts for H-B 10-32 panel-mount base, surface-mount base, cable coupler hood							
10048700	H-B 10 KDBF	for housing H-B 10	2	with loop		Plastic	10
10088700	H-B 16 KDBF	for housing H-B 16	2	with loop		Plastic	10
10118700	H-B 24 KDBF	for housing H-B 24	2	with loop		Plastic	10
10118020	H-B 32 / H-A 48 KDBF	for housing H-B 32/H-A 48	4	with loop		Plastic	10
with lever for H-B 10-24 hood with bolts							
10048600	H-B 10 KDTF	for H-B 10 hood		with loop	Single lever	Plastic	10
10088600	H-B 16 KDTF	for H-B 16 hood		with loop	Single lever	Plastic	10
10118600	H-B 24 KDTF	for H-B 24 hood		with loop	Single lever	Plastic	10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® Cover plates



EPIC® Adapter plates for 1 D-Sub insert



EPIC® Adapter plates for 2 D-Sub inserts



EPIC® Locking levers



Product features

EPIC® Cover plates
- For coverage of panel cut-outs for panel-mount base housings type H-A and H-B

EPIC® Adapter plates for 1 D-Sub insert
- For use of D-Sub inserts in H-B housings

EPIC® Adapter plates for 2 D-Sub inserts
- For use of D-Sub inserts in H-B housings

EPIC® Locking levers
- Locking levers as spare parts for H-A and H-B housings

Technical data

Classification
EPIC® Cover plates
ETIM 5.0 Class-ID: EC002309
ETIM 5.0 Class-Description: Adapter plate industrial connectors
EPIC® Adapter plates for 1 D-Sub insert
ETIM 5.0 Class-ID: EC002309
ETIM 5.0 Class-Description: Adapter plate industrial connectors
EPIC® Adapter plates for 2 D-Sub inserts
ETIM 5.0 Class-ID: EC002309
ETIM 5.0 Class-Description: Adapter plate industrial connectors
EPIC® Locking levers
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Article number	Article description	Version	Material	Pieces / PU
Cover plates for mounting cut-out H-A and H-B				
71180200	H-A 3	for H-A 3 panel-mount base housing		10
10018920	H-B 6	for H-B 6 panel-mount base housing		10
10018921	H-B 10	for H-B 10 panel-mount base housing		10
10018922	H-B 16	for H-B 16 panel-mount base housing		10
10018923	H-B 24	for H-B 24 panel-mount base housing		10
Adapter plates for 1 D-Sub insert				
11764200	H-B 6 / M-D 9	for 1 x D-Sub 9–pin		10
11764202	H-B 6 / M-D 15	for 1 x D-Sub 15–pin		10
11764300	H-B 10 / M-D 25	for 1 x D-Sub 25–pin		10
11764400	H-B 16 / M-D 25	for 1 x D-Sub 25–pin		10
Adapter plates for 2 D-Sub inserts				
11764201	H-B 6 / 2xM-D 9	for 2 x D-Sub 9–pin		10
11764203	H-B 6 / 2xM-D 15	for 2 x D-Sub 15–pin		10
11764301	H-B 10 / 2xM-D 25	for 2 x D-Sub 25–pin		10
Single and double levers for H-A and H-B housings				
10458000	H-A 10 LB	single lever for H-A 10 housing	Steel	10
10468000	EPIC H-A 16 LB/H-B 32 QB	single lever for H-A 16 housing	Steel	10
10049000	H-B 10-24 QB	double lever for H-B 10 - 24 housing	Steel	10
10017000	H-B 6 LB	single lever for H-B 6 housing	Steel	10
10017100	H-B 6 LB-K	single lever for H-B 6 housing	Stainless steel	10
10049100	H-B 10-24 QB-K	double lever for H-B 10 - 24 housing	Stainless steel	10

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® H-A 3 Kits Thermoplastic

Benefits

- Pre-packed kits with compatible components
- Uncomplicated ordering
- No misplaced orders

Similar products

- EPIC® H-A 3 Kits Metal refer to page 189

Technical data

Rated voltage (V)
IEC: 400 V
UL: 600 V
CSA: 600 V

Rated current (A)
IEC: 23 A
UL: 10 A
CSA: 10 A

Number of contacts
3 + PE

Info

- Complete connectors - easy to order



Article number	Pieces / PU
EPIC® H-A 3 Kits Thermoplastic	
75009601	1

Article numbers for single components

- H-A 3 SS 10420000
- H-A 3 Tgv M20 19426000

EPIC KIT H-A 3 SS TG M20

- EPIC® H-A 3 screw-termination male insert
- EPIC® H-A 3 hood
- Housing: thermoplastic grey



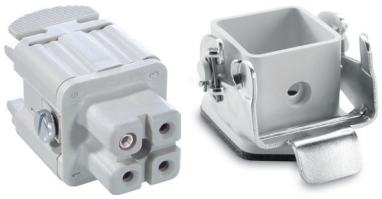
Article number	Pieces / PU
EPIC® H-A 3 Kits Thermoplastic	
75009603	1

Article numbers for single components

- H-A 3 SS 10420000
- H-A 3 Ts M20 19427000

EPIC KIT H-A 3 SS TS M20

- EPIC® H-A 3 screw-termination male insert
- EPIC® H-A 3 hood
- Side cable entry
- Housing: thermoplastic grey



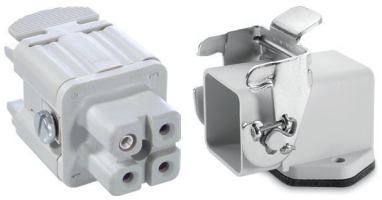
Article number	Pieces / PU
EPIC® H-A 3 Kits Thermoplastic	
75009605	1

Article numbers for single components

- H-A 3 BS 10421000
- H-A 3 Ag 10422000

EPIC KIT H-A 3 BS AG

- EPIC® H-A 3 screw termination female insert
- EPIC® H-A 3 panel-mount base
- Straight version
- Housing: thermoplastic grey



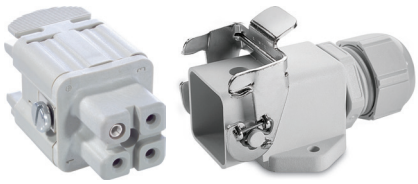
Article number	Pieces / PU
EPIC® H-A 3 Kits Thermoplastic	
75009607	1

Article numbers for single components

- H-A 3 BS 10421000
- H-A 3 Ags 10423000

EPIC KIT H-A 3 BS AGS

- EPIC® H-A 3 screw termination female insert
- EPIC® H-A 3 panel-mount base
- Angled version
- Housing: thermoplastic grey



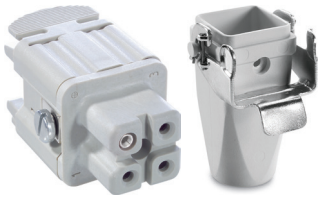
Article number	Pieces / PU
EPIC® H-A 3 Kits Thermoplastic	
75009609	1

Article numbers for single components

- H-A 3 BS 10421000
- H-A 3 Agsv M20 19421900

EPIC KIT H-A 3 BS AGS M20

- EPIC® H-A 3 screw termination female insert
- EPIC® H-A 3 panel-mount base
- Angled version
- Housing: thermoplastic grey



Article number	Pieces / PU
EPIC® H-A 3 Kits Thermoplastic	
75009611	1

Article numbers for single components

- H-A 3 BS 10421000
- H-A 3 Tgvb M20 19429000

EPIC KIT H-A 3 BS TGB M20

- EPIC® H-A 3 screw termination female insert
- EPIC® H-A 3 cable coupler hood
- Housing: thermoplastic grey

EPIC® H-A 3 Kits Metal

Benefits

- Pre-packed kits with compatible components
- Uncomplicated ordering
- No misplaced orders

Similar products

- EPIC® H-A 3 Kits Thermoplastic refer to page 188

Technical data

Rated voltage (V)
IEC: 400 V
UL: 600 V
CSA: 600 V

Rated current (A)
IEC: 23 A
UL: 10 A
CSA: 10 A

Number of contacts
3 + PE

Info

- Complete connectors - easy to order

EPIC KIT H-A 3 SS MTG M20

- EPIC® H-A 3 screw-termination male insert
- EPIC® H-A 3 hood
- Housing: zinc die-casting, grey

Article number	Pieces / PU
EPIC® H-A 3 Kits Metal	
75009602	1

Article numbers for single components

- H-A 3 SS 10420000
- H-A 3 MTgv M20 19512100



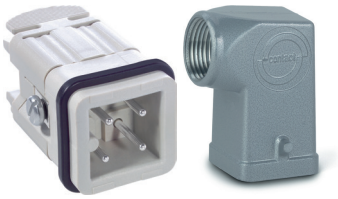
EPIC KIT H-A 3 SS MTS M20

- EPIC® H-A 3 screw-termination male insert
- EPIC® H-A 3 hood
- Side cable entry
- Housing: zinc die-casting, grey

Article number	Pieces / PU
EPIC® H-A 3 Kits Metal	
75009604	1

Article numbers for single components

- H-A 3 SS 10420000
- H-A 3 Ts M20 19512300



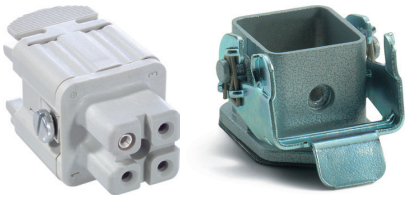
EPIC KIT H-A 3 BS MAG

- EPIC® H-A 3 screw termination female insert
- EPIC® H-A 3 panel-mount base
- Straight version
- Housing: zinc die-casting, grey

Article number	Pieces / PU
EPIC® H-A 3 Kits Metal	
75009606	1

Article numbers for single components

- H-A 3 BS 10421000
- H-A 3 Mag 10422500



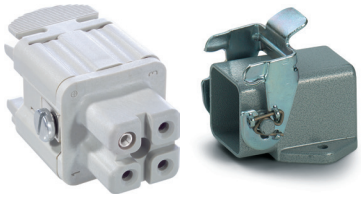
EPIC KIT H-A 3 BS MAGS

- EPIC® H-A 3 screw termination female insert
- EPIC® H-A 3 panel-mount base
- Angled version
- Housing: zinc die-casting, grey

Article number	Pieces / PU
EPIC® H-A 3 Kits Metal	
75009608	1

Article numbers for single components

- H-A 3 BS 10421000
- H-A 3 Mags 10423500



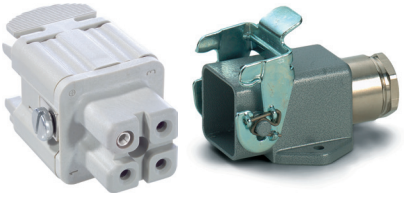
EPIC KIT H-A 3 BS MAGS M20

- EPIC® H-A 3 screw termination female insert
- EPIC® H-A 3 panel-mount base
- Angled version
- Housing: zinc die-casting, grey

Article number	Pieces / PU
EPIC® H-A 3 Kits Metal	
75009610	1

Article numbers for single components

- H-A 3 BS 10421000
- H-A 3 MAgsv M20 19512700



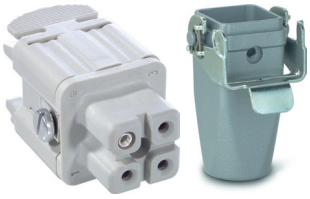
EPIC KIT H-A 3 BS MTGB M20

- EPIC® H-A 3 screw termination female insert
- EPIC® H-A 3 cable coupler hood
- Housing: zinc die-casting, grey

Article number	Pieces / PU
EPIC® H-A 3 Kits Metal	
75009612	1

Article numbers for single components

- H-A 3 BS 10421000
- H-A 3 MTgvb M20 19512900



EPIC® H-A 4 Kits Thermoplastic

Benefits

- Pre-packed kits with compatible components
- Uncomplicated ordering
- No misplaced orders

Similar products

- EPIC® H-A 4 Kits Metal refer to page 191

Technical data

Rated voltage (V)
IEC: 400 V
UL: 600 V
CSA: 600 V

Rated current (A)
IEC: 23 A
UL: 10 A
CSA: 10 A

Number of contacts
4 + PE

Info

- Complete connectors - easy to order



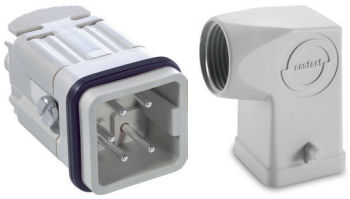
Article number	Pieces / PU
EPIC® H-A 4 Kits Thermoplastic	
75009613	1

Article numbers for single components

- H-A 4 SS 10431000
- H-A 3 Tgv M20 19426000

EPIC KIT H-A 4 SS TG M20

- EPIC® H-A 4 screw-termination male insert
- EPIC® H-A 3 hood
- Straight cable entry
- Housing: thermoplastic grey



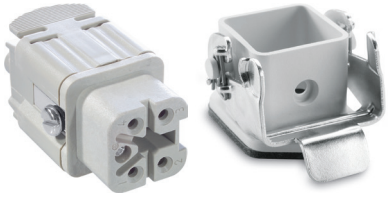
Article number	Pieces / PU
EPIC® H-A 4 Kits Thermoplastic	
75009615	1

Article numbers for single components

- H-A 4 SS 10431000
- H-A 3 Ts M20 19427000

EPIC KIT H-A 4 SS TS M20

- EPIC® H-A 4 screw-termination male insert
- EPIC® H-A 3 hood
- Side cable entry
- Housing: thermoplastic grey



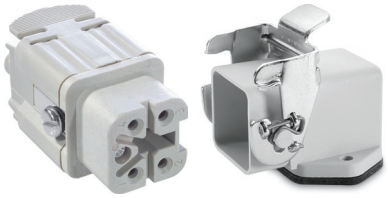
Article number	Pieces / PU
EPIC® H-A 4 Kits Thermoplastic	
75009617	1

Article numbers for single components

- H-A 4 BS 10432000
- H-A 3 Ag 10422000

EPIC KIT H-A 4 BS AG

- EPIC® H-A 4 screw termination female insert
- EPIC® H-A 3 panel-mount base
- Straight version
- Housing: thermoplastic grey



Article number	Pieces / PU
EPIC® H-A 4 Kits Thermoplastic	
75009619	1

Article numbers for single components

- H-A 4 BS 10432000
- H-A 3 Ags 10423000

EPIC KIT H-A 4 BS AGS

- EPIC® H-A 4 screw termination female insert
- EPIC® H-A 3 panel-mount base
- Angled version
- Housing: thermoplastic grey



Article number	Pieces / PU
EPIC® H-A 4 Kits Thermoplastic	
75009621	1

Article numbers for single components

- H-A 4 BS 10432000
- H-A 3 Agsv M20 19421900

EPIC KIT H-A 4 BS AGS M20

- EPIC® H-A 4 screw termination female insert
- EPIC® H-A 3 panel-mount base
- Angled version
- Housing: thermoplastic grey



Article number	Pieces / PU
EPIC® H-A 4 Kits Thermoplastic	
75009623	1

Article numbers for single components

- H-A 4 BS 10432000
- H-A 3 Tgvb M20 19429000

EPIC KIT H-A 4 BS TGB M20

- EPIC® H-A 4 screw termination female insert
- EPIC® H-A 3 cable coupler hood
- Straight cable entry
- Housing: thermoplastic grey

EPIC® H-A 4 Kits Metal

Benefits

- Pre-packed kits with compatible components
- Uncomplicated ordering
- No misplaced orders

Similar products

- EPIC® H-A 4 Kits Thermoplastic refer to page 190

Technical data

Rated voltage (V)
IEC: 400 V
UL: 600 V
CSA: 600 V

Rated current (A)
IEC: 23 A
UL: 10 A
CSA: 10 A

Number of contacts
4 + PE

Info

- Complete connectors - easy to order

EPIC KIT H-A 4 SS MTG M20

- EPIC® H-A 4 screw-termination male insert
- EPIC® H-A 3 hood
- Straight cable entry
- Housing: zinc die-casting, grey

Article number	Pieces / PU
EPIC® H-A 4 Kits Metal	
75009614	1

Article numbers for single components

- H-A 4 SS 10431000)
- H-A 3 MTgv M20 19512100



EPIC KIT H-A 4 SS MTS M20

- EPIC® H-A 4 screw-termination male insert
- EPIC® H-A 3 hood
- Side cable entry
- Housing: zinc die-casting, grey

Article number	Pieces / PU
EPIC® H-A 4 Kits Metal	
75009616	1

Article numbers for single components

- H-A 4 SS 10431000
- H-A 3 Ts M20 19512300



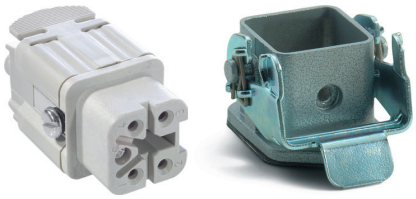
EPIC KIT H-A 4 BS MAG

- EPIC® H-A 4 screw termination female insert
- EPIC® H-A 3 panel-mount base
- Straight version
- Housing: zinc die-casting, grey

Article number	Pieces / PU
EPIC® H-A 4 Kits Metal	
75009618	1

Article numbers for single components

- H-A 4 BS 10432000
- H-A 3 Mag 10422500



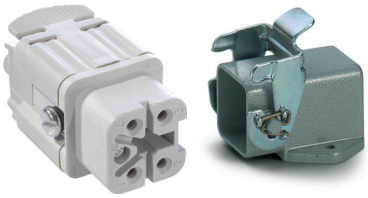
EPIC KIT H-A 4 BS MAGS

- EPIC® H-A 4 screw termination female insert
- EPIC® H-A 3 panel-mount base
- Angled version
- Housing: zinc die-casting, grey

Article number	Pieces / PU
EPIC® H-A 4 Kits Metal	
75009620	1

Article numbers for single components

- H-A 4 BS 10432000
- H-A 3 Mags 10423500



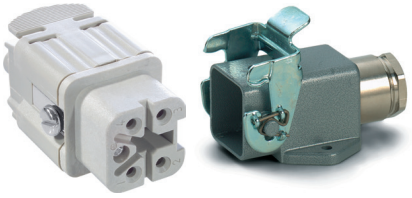
EPIC KIT H-A 4 BS MAGS M20

- EPIC® H-A 4 screw termination female insert
- EPIC® H-A 3 panel-mount base
- Angled version
- Housing: zinc die-casting, grey

Article number	Pieces / PU
EPIC® H-A 4 Kits Metal	
75009622	1

Article numbers for single components

- H-A 4 BS 10432000
- H-A 3 MAgsv M20 19512700



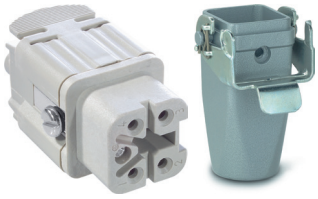
EPIC KIT H-A 4 BS TGB M20

- EPIC® H-A 4 screw termination female insert
- EPIC® H-A 3 cable coupler hood
- Straight cable entry
- Housing: zinc die-casting, grey

Article number	Pieces / PU
EPIC® H-A 4 Kits Metal	
75009624	1

Article numbers for single components

- H-A 4 BS 10432000
- H-A 3 MTgvb M20 19512900



EPIC® H-A 10 Kits

Benefits

- Pre-packed kits with compatible components
- Uncomplicated ordering
- No misplaced orders

Technical data

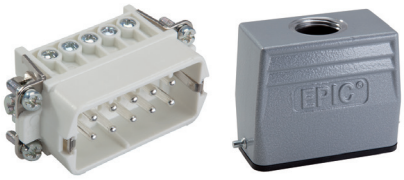
Rated voltage (V)
IEC: 250 V
UL: 600 V
CSA: 600 V

Rated current (A)
IEC: 16 A
UL: 14 A
CSA: 16 A

Number of contacts
10 + PE

Info

- Complete connectors - easy to order



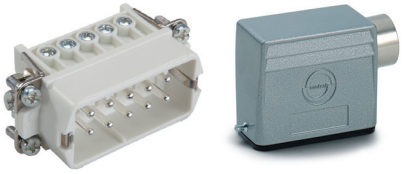
Article number	Pieces / PU
EPIC® H-A 10 Kits	
75009625	1

Article numbers for single components

- H-A 10 SS 10440100
- H-A 10 TG M20 19446000

EPIC KIT H-A 10 SS TG M20

- EPIC® H-A 10 screw-termination male insert
- With wire protection
- EPIC® H-A 10 hood



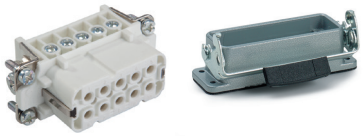
Article number	Pieces / PU
EPIC® H-A 10 Kits	
75009626	1

Article numbers for single components

- H-A 10 SS 10440100
- H-A 10 TS M20 19445000

EPIC KIT H-A 10 SS TS M20

- EPIC® H-A 10 screw-termination male insert
- With wire protection
- EPIC® H-A 10 hood



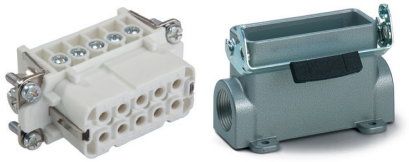
Article number	Pieces / PU
EPIC® H-A 10 Kits	
75009627	1

Article numbers for single components

- H-A 10 BS 10441100
- H-A 10 AG-LB 10442000

EPIC KIT H-A 10 BS AG

- EPIC® H-A 10 screw termination female insert
- With wire protection
- EPIC® H-A 10 panel-mount base



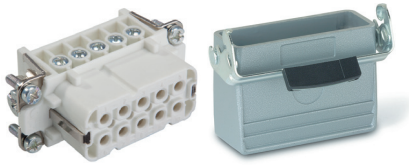
Article number	Pieces / PU
EPIC® H-A 10 Kits	
75009628	1

Article numbers for single components

- H-A 10 BS 10441100
- H-A 10 SGR-LB M20 19448100

EPIC KIT H-A 10 BS SGR-LB M20

- EPIC® H-A 10 screw termination female insert
- With wire protection
- EPIC® H-A 10 surface-mount base



Article number	Pieces / PU
EPIC® H-A 10 Kits	
75009629	1

Article numbers for single components

- H-A 10 BS 10441100
- H-A 10 TBF-LB M20 19439000

EPIC KIT H-A 10 BS TBF-LB M20

- EPIC® H-A 10 screw termination female insert
- With wire protection
- EPIC® H-A 10 cable coupler hood

EPIC® H-A 16 Kits

Benefits

- Pre-packed kits with compatible components
- Uncomplicated ordering
- No misplaced orders

Technical data

Rated voltage (V)
IEC: 250 V
UL: 600 V
CSA: 600 V

Rated current (A)
IEC: 16 A
UL: 14 A
CSA: 16 A

Number of contacts
16 + PE

Info

- Complete connectors - easy to order

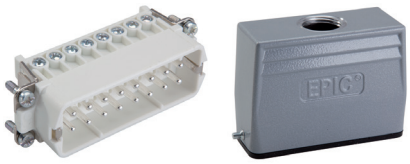
EPIC KIT H-A 16 SS TG M20

- EPIC® H-A 16 screw-termination male insert
- With wire protection
- EPIC® H-A 16 hood

Article number	Pieces / PU
EPIC® H-A 16 Kits	
75009630	1

Article numbers for single components

- H-A 16 SS 10530000
- H-A 16 TG M20 19565000



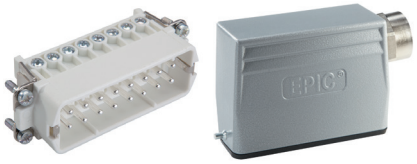
EPIC KIT H-A 16 SS TS M20

- EPIC® H-A 16 screw-termination male insert
- With wire protection
- EPIC® H-A 16 hood

Article number	Pieces / PU
EPIC® H-A 16 Kits	
75009631	1

Article numbers for single components

- H-A 16 SS 10530000
- H-A 16 TS M20 19564000



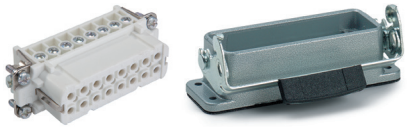
EPIC KIT H-A 16 BS AG

- EPIC® H-A 16 screw termination female insert
- With wire protection
- EPIC® H-A 16 panel-mount base

Article number	Pieces / PU
EPIC® H-A 16 Kits	
75009632	1

Article numbers for single components

- H-A 16 BS 10531000
- H-A 16 AG-LB 10462000



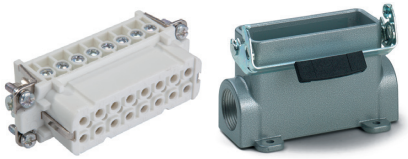
EPIC KIT H-A 16 BS SGR-LB M20

- EPIC® H-A 16 screw termination female insert
- With wire protection
- EPIC® H-A 16 surface-mount base

Article number	Pieces / PU
EPIC® H-A 16 Kits	
75009633	1

Article numbers for single components

- H-A 16 BS 10531000
- H-A 16 SGR-LB M20 19567100



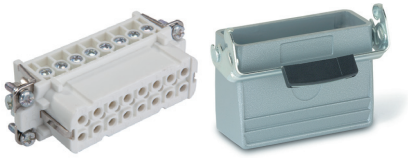
EPIC KIT H-A 16 BS TBF-LB M20

- EPIC® H-A 16 screw termination female insert
- With wire protection
- EPIC® H-A 16 cable coupler hood

Article number	Pieces / PU
EPIC® H-A 16 Kits	
75009634	1

Article numbers for single components

- H-A 16 BS 10531000
- H-A 16 TBF-LB M20 19563000



EPIC® H-BE 6 Kits

Benefits

- Pre-packed kits with compatible components
- Uncomplicated ordering
- No misplaced orders

Technical data

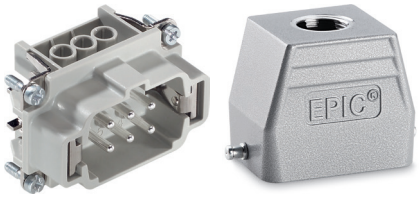
Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V

Rated current (A)
IEC: 16 A
UL: 16 A
CSA: 16 A

Number of contacts
6 + PE

Info

- Complete connectors - easy to order



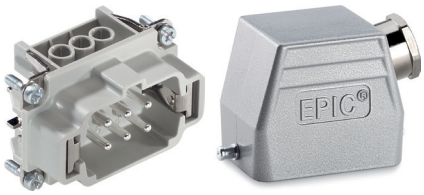
Article number	Pieces / PU
EPIC® H-BE 6 Kits	
75009635	1

Article numbers for single components

- EPIC® H-BE 6 SS 10190000
- H-B 6 TG M20 19011000

EPIC® KIT H-BE 6 SS TG M20

- EPIC® H-BE 6 screw-termination male insert
- With wire protection
- EPIC® H-B 6 hood



Article number	Pieces / PU
EPIC® H-BE 6 Kits	
75009636	1

Article numbers for single components

- EPIC® H-BE 6 SS 10190000
- H-B 6 TS M20 19012000

EPIC® KIT H-BE 6 SS TS M20

- EPIC® H-BE 6 screw-termination male insert
- With wire protection
- EPIC® H-B 6 hood



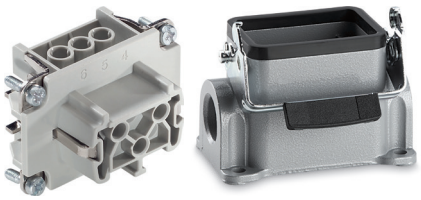
Article number	Pieces / PU
EPIC® H-BE 6 Kits	
75009637	1

Article numbers for single components

- EPIC® H-BE 6 BS 10191000
- H-B 6 AG-LB 10003000

EPIC® KIT H-BE 6 BS AG-LB

- EPIC® H-BE 6 screw termination female insert
- With wire protection
- EPIC® H-B 6 panel-mount base



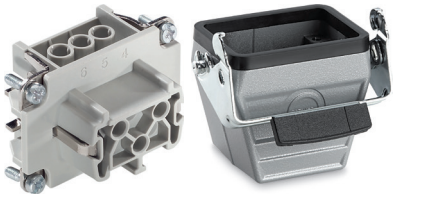
Article number	Pieces / PU
EPIC® H-BE 6 Kits	
75009638	1

Article numbers for single components

- EPIC® H-BE 6 BS 10191000
- H-B 6 SGR M20 19005000

EPIC® KIT H-BE 6 BS SGR-LB M20

- EPIC® H-BE 6 screw termination female insert
- With wire protection
- EPIC® H-B 6 surface-mount base



Article number	Pieces / PU
EPIC® H-BE 6 Kits	
75009639	1

Article numbers for single components

- EPIC® H-BE 6 BS 10191000
- H-B 6 TBF M20 19014000

EPIC® KIT H-BE 6 BS TBF-LB M20

- EPIC® H-BE 6 screw termination female insert
- With wire protection
- EPIC® H-B 6 cable coupler hood

EPIC® H-BE 10 Kits

Benefits

- Pre-packed kits with compatible components
- Uncomplicated ordering
- No misplaced orders

Technical data

Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V

Rated current (A)
IEC: 16 A
UL: 16 A
CSA: 16 A

Number of contacts
10 + PE

Info

- Complete connectors - easy to order

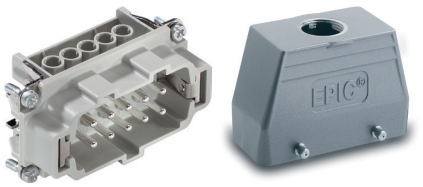
EPIC® KIT H-BE 10 SS TG M25

- EPIC® H-BE 10 screw-termination male insert
- With wire protection
- EPIC® H-B 10 hood

Article number	Pieces / PU
EPIC® H-BE 10 Kits	
75009640	1

Article numbers for single components

- EPIC® H-BE 10 SS 10192000
- H-B 10 TG M25 19040100



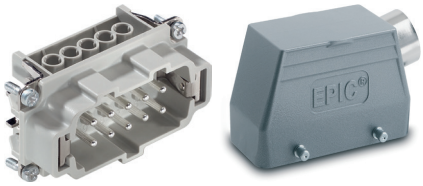
EPIC® KIT H-BE 10 SS TS M25

- EPIC® H-BE 10 screw-termination male insert
- With wire protection
- EPIC® H-B 10 hood

Article number	Pieces / PU
EPIC® H-BE 10 Kits	
75009641	1

Article numbers for single components

- EPIC® H-BE 10 SS 10192000
- H-B 10 TS M25 19042100



EPIC KIT H-BE 10 BS AG

- EPIC® H-BE 10 screw termination female insert
- With wire protection
- EPIC® H-B 10 panel-mount base

Article number	Pieces / PU
EPIC® H-BE 10 Kits	
75009642	1

Article numbers for single components

- EPIC® H-BE 10 BS 10193000
- H-B 10 AG 10032000



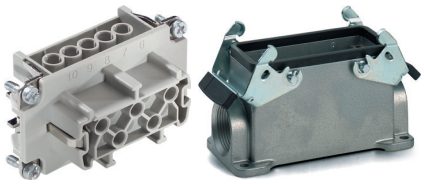
EPIC KIT H-BE 10 BS SGR M25

- EPIC® H-BE 10 screw termination female insert
- With wire protection
- EPIC® H-B 10 surface-mount base

Article number	Pieces / PU
EPIC® H-BE 10 Kits	
75009643	1

Article numbers for single components

- EPIC® H-BE 10 BS 10193000
- H-B 10 SGR M25 19034100



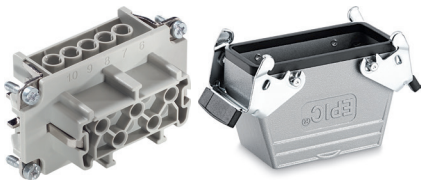
EPIC® KIT H-BE 10 BS TBF M25

- EPIC® H-BE 10 screw termination female insert
- With wire protection
- EPIC® H-B 10 cable coupler hood

Article number	Pieces / PU
EPIC® H-BE 10 Kits	
75009644	1

Article numbers for single components

- EPIC® H-BE 10 BS 10193000
- H-B 10 TBF M25 79040200



EPIC® H-BE 16 Kits

Benefits

- Pre-packed kits with compatible components
- Uncomplicated ordering
- No misplaced orders

Technical data

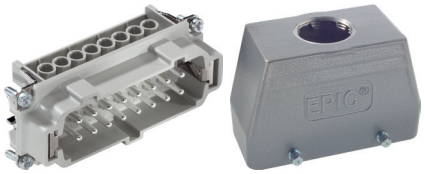
Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V

Rated current (A)
IEC: 16 A
UL: 16 A
CSA: 16 A

Number of contacts
16 + PE

Info

- Complete connectors - easy to order



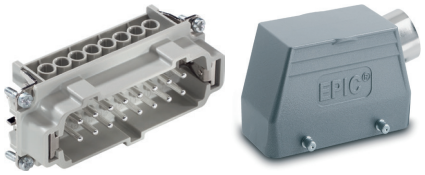
Article number	Pieces / PU
EPIC® H-BE 16 Kits	
75009645	1

Article numbers for single components

- EPIC® H-BE 16 SS 10194000
- H-B 16 TG M25 19080000

EPIC® KIT H-BE 16 SS TG M25

- EPIC® H-BE 16 screw termination male insert
- With wire protection
- EPIC® H-B 16 hood



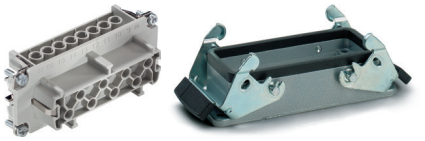
Article number	Pieces / PU
EPIC® H-BE 16 Kits	
75009646	1

Article numbers for single components

- EPIC® H-BE 16 SS 10194000
- H-B 16 TS M25 19082000

EPIC® KIT H-BE 16 SS TS M25

- EPIC® H-BE 16 screw termination male insert
- With wire protection
- EPIC® H-B 16 hood



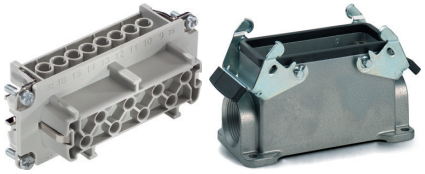
Article number	Pieces / PU
EPIC® H-BE 16 Kits	
75009647	1

Article numbers for single components

- EPIC® H-BE 16 BS 10195000
- H-B 16 AG 10072000

EPIC® KIT H-BE 16 BS AG

- EPIC® H-BE 16 screw termination female insert
- With wire protection
- EPIC® H-B 16 panel-mount base



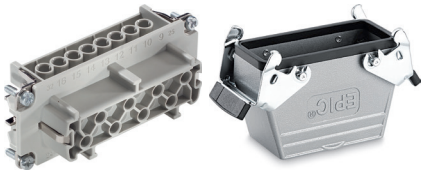
Article number	Pieces / PU
EPIC® H-BE 16 Kits	
75009648	1

Article numbers for single components

- EPIC® H-BE 16 BS 10195000
- H-B 16 SGR M25 19074000

EPIC® KIT H-BE 16 BS SGR M25

- EPIC® H-BE 16 screw termination female insert
- With wire protection
- EPIC® H-B 16 surface-mount base



Article number	Pieces / PU
EPIC® H-BE 16 Kits	
75009649	1

Article numbers for single components

- EPIC® H-BE 16 BS 10195000
- H-B 16 TBF M25 19086000)

EPIC® KIT H-BE 16 BS TBF M25

- EPIC® H-BE 16 screw termination female insert
- With wire protection
- EPIC® H-B 16 cable coupler hood

EPIC® H-BE 24 Kits

Benefits
- Pre-packed kits with compatible components
- Uncomplicated ordering
- No misplaced orders

Technical data

Rated voltage (V)
IEC: 500 VUL: 600 VCSA: 600 V

Rated current (A)
IEC: 16 A
UL: 16 A
CSA: 16 A

Number of contacts
24 + PE

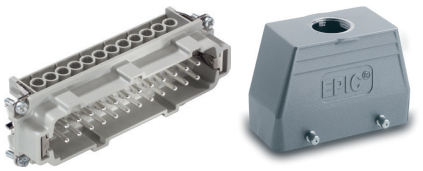
Info
- Complete connectors - easy to order

EPIC® KIT H-BE 24 SS TG M25

- EPIC® H-BE 24 screw-termination male insert
- With wire protection
- EPIC® H-B 24 hood

Article number	Pieces / PU
EPIC® H-BE 24 Kits	
75009650	1

Article numbers for single components
- EPIC® H-BE 24 SS 10196000
- H-B 24 TG M25 19121000

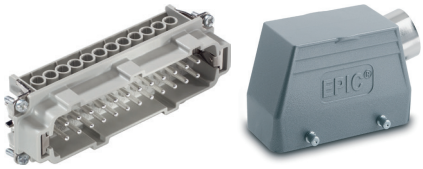


EPIC® KIT H-BE 24 SS TS M25

- EPIC® H-BE 24 screw-termination male insert
- With wire protection
- EPIC® H-B 24 hood

Article number	Pieces / PU
EPIC® H-BE 24 Kits	
75009651	1

Article numbers for single components
- EPIC® H-BE 24 SS 10196000
- H-B 24 TS M25 19113000

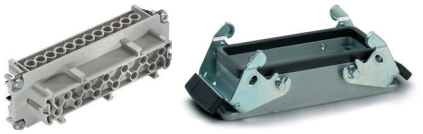


EPIC® KIT H-BE 24 BS AG

- EPIC® H-BE 24 screw termination female insert
- With wire protection
- EPIC® H-B 24 panel-mount base

Article number	Pieces / PU
EPIC® H-BE 24 Kits	
75009652	1

Article numbers for single components
- EPIC® H-BE 24 BS 10197000
- H-B 24 AG 10102000

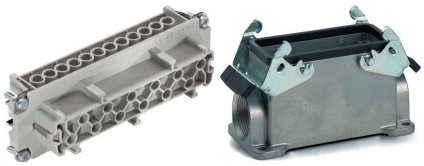


EPIC® KIT H-BE 24 BS SGR M25

- EPIC® H-BE 24 screw termination female insert
- With wire protection
- EPIC® H-B 24 surface-mount base

Article number	Pieces / PU
EPIC® H-BE 24 Kits	
75009653	1

Article numbers for single components
- EPIC® H-BE 24 BS 10197000
- H-B 24 SGR M25 19104000

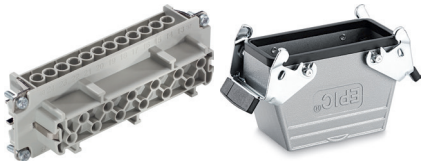


EPIC® KIT H-BE 24 BS TBF M25

- EPIC® H-BE 24 screw termination female insert
- With wire protection
- EPIC® H-B 24 cable coupler hood

Article number	Pieces / PU
EPIC® H-BE 24 Kits	
75009654	1

Article numbers for single components
- EPIC® H-BE 24 BS 10197000
- H-B 24 TBF M25 19127000







EPIC® Circular connectors
compact connectors for motion control and energy transfer

EPIC® – circular connectors are divided into the following categories:

- Signal connectors
- Power connectors
- Hybrid connectors

Signal connectors, the majority of which feature gold-plated contacts, are suitable for a transfer of sensitive signals.
Power connectors transfer high outputs and supply the application with the sufficient amount of energy. Hybrid applications merge both worlds in one housing.

EPIC® SIGNAL Circular connectors



EPIC® – SIGNAL connectors are available as M17, M23 and R3.0 (M27). The EMC screen contact surface reliably prevents electromagnetic influences. Even the lowest currents and voltages are reliably transferred by the gold-plated contacts.

EPIC® POWER Circular connectors



The integrated EMC cable glands offer strain relief and are perfectly sealed. The high-quality sealing materials guarantee very high levels of chemical protection.

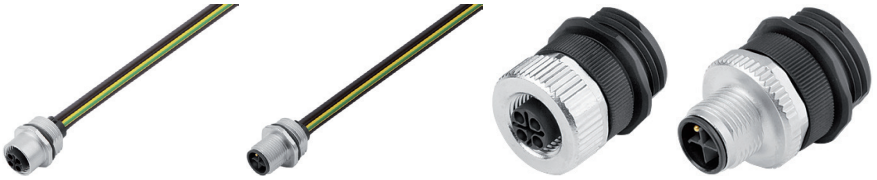
EPIC® POWERLOCK



EPIC® – POWERLOCK – these single-pin connectors transfer very high currents, are colour-coded and designed in different shapes to prevent incorrect connections and exclude any resulting hazards for users.

EPIC® POWER M12 630V panel base

Circular connectors for servomotors and power supply



Info

- Simply screw in given metric thread

Benefits

- Standard M20 Version with screw contacts
- Small M16 Version with preharnessed wires
- High performance gold plated contacts

Application range

- Power Supply for small devices
- For 1-phase cables or 3-phase wihout N

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
630 V

Rated impulse voltage
6 kV

Rated current (A)
12 A

Degree of soiling
3

Contact resistance
< 3 mOhm

Number of contacts
3 + PE
S-coded

Termination methods
Screw termination: 0.75 - 1.5mm²
with 0,2m PP-wire, 4x1.5mm²

Protection rating
IP 67

Cycle of mechanical operation
100

Temperature range
-40 °C to +85 °C

Article number	Article description	Fastening type	Pieces / PU
EPIC® POWER M12 630V panel base			
44423144	Panel base with pin contacts	M20	1
44423145	Panel base with socket contacts	M20	1
44423146	Panel base with pin contacts	M16 (with wires 4xAWG16/0.2m)	1
44423147	Panel base with socket contacts	M16 (with wires 4xAWG16/0.2m)	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWER M12 630V cable connector

Circular connectors for servomotors and power supply

Info

- Smallest Power connector



Benefits

- To terminate only screw driver is neccessary
- Small and space-saving for narrow available space
- High performance gold plated contacts

Application range

- Power Supply for small devices
- For 1-phase cables or 3-phase wihout N

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
630 V

Rated impulse voltage
6 kV

Rated current (A)
12 A

Degree of soiling
3

Contact resistance
< 3 mOhm

Number of contacts
3 + PE
S-coded

Termination methods
Screw termination: 0.75 - 1.5mm²

Protection rating
IP 67

Cycle of mechanical operation
100

Temperature range
-40 °C to +85 °C

Article number	Article description	Clamping range in mm	Pieces / PU
EPIC® POWER M12 630V cable connector			
44423140	Cable coupler with pin contacts	8 - 10	1
44423141	Cable connector with socket contacts	8 - 10	1
44423142	Cable coupler with pin contacts, angled	8 - 10	1
44423143	Cable connector with socket contacts, angled	8 - 10	1

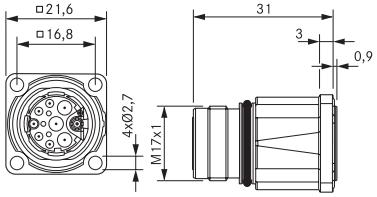
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWER M17 A1

Circular connectors for servomotors and power supply







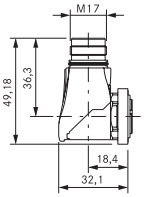
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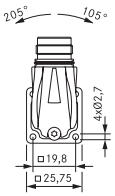
- High Power with smallest space requirements

EPIC® POWER M17 A3

Circular connectors for servomotors and power supply







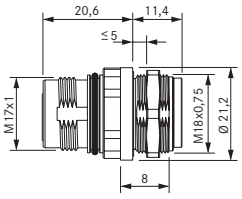
Info

- Rotateable with 310° cable outlet

EPIC® POWER M17 G4

Circular connectors for servomotors and power supply





Info

- For installation in existing hole

Suitable contacts:

- EPIC® M17 Contacts Page 207
- The contacts have to be ordered separately

Benefits

- Version with less contacts for higher current
- Sensor/ ac
- EMC protection

Application range

- Servo drives and servo assemblies
- Plant engineering, machinery manufacturing

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
630V: 2mm and 1mm contacts
60V: 0,6mm contacts

Rated impulse voltage
6KV: 2mm and 1mm contacts
1.5KV: 0.6mm contacts

Rated current (A)
3+PE: 20A, 5+PE/6+PE/7+PE:14A,
3+PE+5:14A/3,6A

Degree of soiling
3

Contacts
Gold-plated brass

Number of contacts
3+PE, 5+PE, 6+PE, 7+PE, 3+PE+5
Contacts:3+PE(2mm), 5+PE(1mm), 6+PE(1mm), 7+PE(1mm), 3+PE+5(1mm/0.6mm)

Termination methods
Crimp: 3+PE: 0.5-2.5mm², 5+PE/6+PE/7+PE: 0.06-1mm², 3+P+5: 0.06-1/0.06-0.5mm²

Material
Housing: nickel-plated zinc die-casting, nickel-plated brass
Insert: PA,
Seal: FPM

Protection rating
IP 67

Cycle of mechanical operation
100

Temperature range
-40°C to +125°C

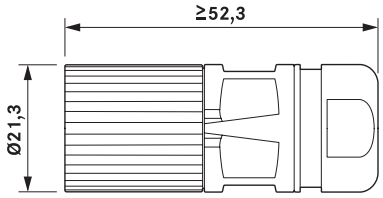
Article number	Article description	Fastening type	Pin configuration	Pieces / PU
Type M17 A1, front wall mounting				
44423075	EPIC® M17 female	Ø 2.7 mm (4x)	3+PE (2mm contact)	5
44423070	EPIC® M17 male	Ø 2.7 mm (4x)	3+PE (2mm contact)	5
44423076	EPIC® M17 female	Ø 2.7 mm (4x)	5+PE (1mm contact)	5
44423071	EPIC® M17 male	Ø 2.7 mm (4x)	5+PE (1mm contact)	5
44423077	EPIC® M17 female	Ø 2.7 mm (4x)	5+PE (1mm contact)	5
44423072	EPIC® M17 male	Ø 2.7 mm (4x)	6+PE (1mm contact)	5
44423078	EPIC® M17 female	Ø 2.7 mm (4x)	7+PE (1mm contact)	5
44423073	EPIC® M17 male	Ø 2.7 mm (4x)	7+PE (1mm contact)	5
44423079	EPIC® M17 female	Ø 2.7 mm (4x)	3+PE+5 (1mm / 0,6mm contact)	5
44423074	EPIC® M17 male	Ø 2.7 mm (4x)	3+PE+5 (1mm / 0,6mm contact)	5
Type M17 A3, angled and rotateable				
44423085	EPIC® M17 female	Ø 2.7 mm (4x)	3+PE (2mm contact)	5
44423080	EPIC® M17 male	Ø 2.7 mm (4x)	3+PE (2mm contact)	5
44423086	EPIC® M17 female	Ø 2.7 mm (4x)	5+PE (1mm contact)	5
44423081	EPIC® M17 male	Ø 2.7 mm (4x)	5+PE (1mm contact)	5
44423087	EPIC® M17 female	Ø 2.7 mm (4x)	6+PE (1mm contact)	5
44423082	EPIC® M17 male	Ø 2.7 mm (4x)	6+PE (1mm contact)	5
44423088	EPIC® M17 female	Ø 2.7 mm (4x)	7+PE (1mm contact)	5
44423083	EPIC® M17 male	Ø 2.7 mm (4x)	7+PE (1mm contact)	5
44423089	EPIC® M17 female	Ø 2.7 mm (4x)	3+PE+5 (1mm / 0,6mm contact)	5
44423084	EPIC® M17 male	Ø 2.7 mm (4x)	3+PE+5 (1mm / 0,6mm contact)	5
Type M17 G4, front wall mounting				
44423095	EPIC® M17 female	M18x0,75 (order counternut separately)	3+PE (2mm contact)	5
44423090	EPIC® M17 male	M18x0,75 (order counternut separately)	3+PE (2mm contact)	5
44423099	EPIC® M17 female	M18x0,75 (order counternut separately)	5+PE (1mm contact)	5
44423094	EPIC® M17 male	M18x0,75 (order counternut separately)	5+PE (1mm contact)	5
44423096	EPIC® M17 female	M18x0,75 (order counternut separately)	6+PE (1mm contact)	5
44423091	EPIC® M17 male	M18x0,75 (order counternut separately)	6+PE (1mm contact)	5
44423097	EPIC® M17 female	M18x0,75 (order counternut separately)	7+PE (1mm contact)	5
44423092	EPIC® M17 male	M18x0,75 (order counternut separately)	7+PE (1mm contact)	5
44423098	EPIC® M17 female	M18x0,75 (order counternut separately)	3+PE+5 (1mm / 0,6mm contact)	5
44423093	EPIC® M17 male	M18x0,75 (order counternut separately)	3+PE+5 (1mm / 0,6mm contact)	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWER M17 D6

Circular connectors for servomotors and power supply





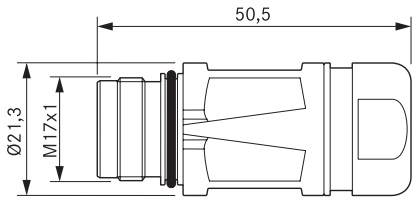
Info

- High Power with smallest space requirements

EPIC® POWER M17 F6

Circular connectors for servomotors and power supply





Suitable contacts:

- EPIC® M17 Contacts Page 207
- The contacts have to be ordered separately

Benefits

- Sensor/ ac
- Version with less contacts for higher current
- EMC protection

Application range

- Servo drives and servo assemblies
- Plant engineering, machinery manufacturing

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
630V: 2mm and 1mm contacts
60V: 0,6mm contacts

Rated impulse voltage
6KV: 2mm and 1mm contacts
1.5KV: 0.6mm contacts

Rated current (A)
3+PE: 20A, 5+PE/6+PE/7+PE:14A,
3+PE+5:14A/3,6A

Degree of soiling
3

Contacts
Gold-plated brass

Number of contacts
3+PE, 5+PE, 6+PE, 7+PE, 3+PE+5
Contacts:3+PE(2mm), 5+PE(1mm), 6+PE(1mm), 7+PE(1mm), 3+PE+5(1mm/0.6mm)

Termination methods
Crimp: 3+PE: 0.5-2.5mm², 5+PE/6+PE/7+PE: 0.06-1mm², 3+P+5: 0.06-1/0.06-0.5mm²

Material
Housing: nickel-plated zinc die-casting, nickel-plated brass
Insert: PA,
Seal: FPM

Protection rating
IP 67

Cycle of mechanical operation
100

Temperature range
-40°C to +125°C

Article number	Article description	Clamping range in mm	Pin configuration	Pieces / PU
Type M17 D6, cable connector				
44423050	EPIC® M17 female	3.5 - 11	3+PE (2mm contact)	5
44423055	EPIC® M17 male	3.5 - 11	3+PE (2mm contact)	5
44423051	EPIC® M17 female	3.5 - 11	5+PE (1mm contact)	5
44423056	EPIC® M17 male	3.5 - 11	5+PE(1mm contact)	5
44423052	EPIC® M17 female	3.5 - 11	6+PE(1mm contact)	5
44423057	EPIC® M17 male	3.5 - 11	6+PE(1mm contact)	5
44423053	EPIC® M17 female	3.5 - 11	7+PE(1mm contact)	5
44423058	EPIC® M17 male	3.5 - 11	7+PE(1mm contact)	5
44423054	EPIC® M17 female	3.5 - 11	3+PE+5 (1mm / 0,6mm contact)	5
44423059	EPIC® M17 male	3.5 - 11	3+PE+5 (1mm / 0,6mm contact)	5
Type M17 F6, cable coupler				
44423065	EPIC® M17 female	3.5 - 11	3+PE (2mm contact)	5
44423060	EPIC® M17 male	3.5 - 11	3+PE (2mm contact)	5
44423066	EPIC® M17 female	3.5 - 11	5+PE (1mm contact)	5
44423061	EPIC® M17 male	3.5 - 11	5+PE (1mm contact)	5
44423067	EPIC® M17 female	3.5 - 11	6+PE (1mm contact)	5
44423062	EPIC® M17 male	3.5 - 11	6+PE (1mm contact)	5
44423068	EPIC® M17 female	3.5 - 11	7+PE (1mm contact)	5
44423063	EPIC® M17 male	3.5 - 11	7+PE (1mm contact)	5
44423069	EPIC® M17 female	3.5 - 11	3+PE+5 (1mm / 0,6mm contact)	5
44423064	EPIC® M17 male	3.5 - 11	3+PE+5 (1mm / 0,6mm contact)	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M17 A1

Circular connectors for servomotors and power supply

Info

- Connector for shielded data cables



EPIC® SIGNAL M17 A3

Circular connectors for servomotors and power supply

Info

- Rotateable with 310° cable outlet



EPIC® SIGNAL M17 G4

Circular connectors for servomotors and power supply

Info

- For installation in existing hole



Suitable contacts:

- EPIC® M17 Contacts Page 207
- The contacts have to be ordered separately

Benefits

- Sensor/ ac
- EMC protection

Application range

- Feedback / signal cables

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
60 V

Rated impulse voltage
1.5 kV

Rated current (A)
3.6 A

Degree of soiling
3

Contacts
Gold-plated brass

Number of contacts
Contacts: 8(1mm), 17(0.6mm)

Termination methods
Crimp termination: 0.06 - 0.56 mm² (0,6mm contacts)
Crimp termination: 0.06 - 1.0 mm² (1mm contacts)

Material
Housing: nickel-plated zinc die-casting, nickel-plated brass
Insert: PA,
Seal: FPM

Protection rating
IP 67

Cycle of mechanical operation
100

Temperature range
-40°C to +125°C

Article number	Article description	Fastening type	Pin configuration	Pieces / PU
EPIC® SIGNAL M17 A1				
44423110	EPIC® M17 female	Ø 2.7 mm (4x)	8 (1mm contact)	5
44423108	EPIC® M17 male	Ø 2.7 mm (4x)	8 (1mm contact)	5
Type M17 A1, front wall mounting				
44423111	EPIC® M17 female	Ø 2.7 mm (4x)	17 (0,6mm contact)	5
44423109	EPIC® M17 male	Ø 2.7 mm (4x)	17 (0,6mm contact)	5
Type M17 A3, angled and rotateable				
44423114	EPIC® M17 female	Ø 2.7 mm (4x)	8 (1mm contact)	5
44423112	EPIC® M17 male	Ø 2.7 mm (4x)	8 (1mm contact)	5
44423115	EPIC® M17 female	Ø 2.7 mm (4x)	17 (0,6mm contact)	5
44423113	EPIC® M17 male	Ø 2.7 mm (4x)	17 (0,6mm contact)	5
Type M17 G4, front wall mounting				
44423118	EPIC® M17 female	M18x0,75 (order counternut separately)	8 (1mm contact)	5
44423116	EPIC® M17 male	M18x0,75 (order counternut separately)	8 (1mm contact)	5
44423119	EPIC® M17 female	M18x0,75 (order counternut separately)	17 (0,6mm contact)	5
44423117	EPIC® M17 male	M18x0,75 (order counternut separately)	17 (0,6mm contact)	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M17 D6

Circular connectors for servomotors and power supply



Info

- Connector for shielded data cables

EPIC® SIGNAL M17 F6

Circular connectors for servomotors and power supply



Suitable contacts:

- EPIC® M17 Contacts Page 207
- The contacts have to be ordered separately

Benefits

- Sensor/ ac
- EMC protection

Application range

- Feedback / signal cables

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
60 V

Rated impulse voltage
1.5 kV

Rated current (A)
3.6 A

Degree of soiling
3

Contacts
Gold-plated brass

Number of contacts
Contacts: 8(1mm), 17(0.6mm)

Termination methods
Crimp termination: 0.06 - 0.56 mm² (0,6mm contacts)
Crimp termination: 0.06 - 1.0 mm² (1mm contacts)

Material
Housing: nickel-plated zinc die-casting, nickel-plated brass
Insert: PA,
Seal: FPM

Protection rating
IP 67

Cycle of mechanical operation
100

Temperature range
-40°C to +125°C

Article number	Article description	Clamping range in mm	Pin configuration	Pieces / PU
Type M17 D6, cable connector				
44423100	EPIC® M17 female	3.5 - 11	8 (1mm contact)	5
44423102	EPIC® M17 male	3.5 - 11	8 (1mm contact)	5
44423101	EPIC® M17 female	3.5 - 11	17 (0,6mm contact)	5
44423103	EPIC® M17 male	3.5 - 11	17 (0,6mm contact)	5
Type M17 F6, cable coupler				
44423106	EPIC® M17 female	3.5 - 11	8 (1mm contact)	5
44423104	EPIC® M17 male	3.5 - 11	8 (1mm contact)	5
44423107	EPIC® M17 female	3.5 - 11	17 (0,6mm contact)	5
44423105	EPIC® M17 male	3.5 - 11	17 (0,6mm contact)	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® M17 Contacts

Contacts, tools, accessories for circular connectors



EPIC® M17 Tools

Contacts, tools, accessories for circular connectors



Technical data

Classification
EPIC® M17 Contacts
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors
EPIC® M17 Tools
ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article description	Version	Inserts	Version	Pieces / PU
0.6mm contacts female					
44423125	M17 BCM 0,6mm 0,06-0,25			0.06-0.25mm²	10
44423126	M17 BCM 0.6mm 0.06-0.34			0.06-0.34mm²	10
44423127	M17 BCM 0,6mm 0,34-0,5			0.34-0.5mm²	10
1mm contacts female					
44423122	M17 BCM 1mm 0,06-0,25			0.06-0.25mm²	10
44423123	M17 BCM 1mm 0.34-0.5			0.34-0.5mm²	10
44423124	M17 BCM 1mm 0,5-1,0			0.5-1.0mm²	10
2mm contacts female					
44423120	M17 BCM 2mm 0,25-1,0			0.25-1.0mm²	10
44423121	M17 BCM 2mm 1,0-2,5			1.0-2.5mm²	10
0.6mm contacts male					
44423133	M17 SCM 0,6mm 0,06-0,25			0.06-0.25mm²	10
44423134	M17 SCM 0,6mm 0,06-0,34			0.06-0.34mm²	10
44423135	M17 SCM 0,6mm 0,34-0,5			0.34-0.5mm²	10
1mm contacts male					
44423130	M17 SCM 1mm 0,06-0,25			0.06-0.25mm²	10
44423131	M17 SCM 1mm 0,34-0,5			0.34-0.5mm²	10
44423132	M17 SCM 1mm 0,5-1,0				10
2mm contacts male					
44423128	M17 SCM 2mm 0,25-1,0			0.25-1.0mm²	10
44423129	M17 SCM 2mm 1,0-2,5			1.0-2.5mm²	10
Crimping tool					
44423136	Crimptool M17	Crimpzange with Locator for EPIC® M17	for EPIC® M17 POWER and SIGNAL		1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® M 17 Accessories

Contacts, tools, accessories for circular connectors



Technical data

Classification
ETIM 5.0 Class-ID: EC002314
ETIM 5.0 Class-Description: Cap for industrial connectors

Article number	Version	Inserts	Pieces / PU
EPIC® M 17 Accessories			
44423148	for M 17 type G4 housing	Counternut M 18x0.75	10

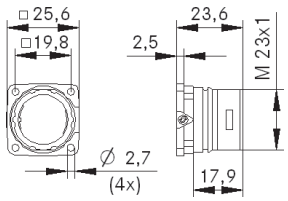
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 A1

Circular connectors for Servo Cables and encoders

Info

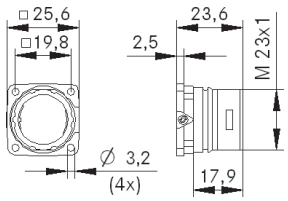
- Coulour coding for easy connecting





EPIC® SIGNAL M23 A1 D3.2

Circular connectors for Servo Cables and encoders



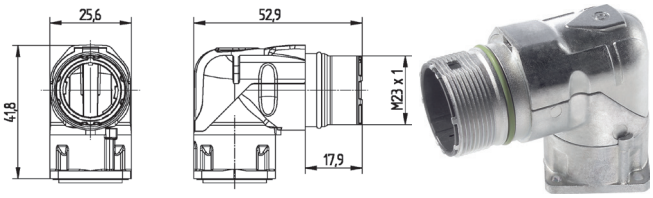


EPIC® SIGNAL M23 A3

Circular connectors for Servo Cables and encoders

Info

- Rotateable with clearly defined adjustment positions



Benefits

EPIC® SIGNAL M23 A1

- Safe fixing with 4 screws
- Permanent vibration protection

EPIC® SIGNAL M23 A1 D3.2

- Housings are very flexible - cable connectors with wide clamping range, receptacle housings for assembling the inserts from the front and rear
- Permanent vibration protection

EPIC® SIGNAL M23 A3

- Housings are very flexible - cable connectors with wide clamping range, receptacle housings for assembling the inserts from the front and rear
- Permanent vibration protection

Application range

- Plant engineering
- Servo drives and servo assemblies
- Measurement and control technology

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: nickel-plated zinc die-casting
Sealing: FPM

Protection rating
EPIC® SIGNAL M23 A1
IP68 (10h/1m)
EPIC® SIGNAL M23 A1 D3.2
IP68 (10h/1m)
EPIC® SIGNAL M23 A3
IP 65

VDE-tested
Certified production control: VDE-REG.no. C24 (according to EN 61984, SELV according to DIN VDE 0100-410 has to be guaranteed)
UL File Number: E249137

Temperature range
-25°C up to +125°C

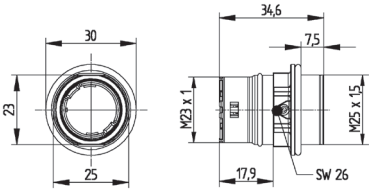
Article number	Article	Coding	Fastening type	Pieces / PU
Type M23 A1 panel-mount box, front wall mounting				
72004000	M23 A1	black (N)	Ø 2.7 mm (4x)	5
72004010	M23 A1	black (N)	Ø 2.7 mm (4x)	20
72004200	M23 A1	red (+20°)	Ø 2.7 mm (4x)	5
72004210	M23 A1	red (+20°)	Ø 2.7 mm (4x)	20
72004100	M23 A1	blue (-20°)	Ø 2.7 mm (4x)	5
72004110	M23 A1	blue (-20°)	Ø 2.7 mm (4x)	20
Type M23 A1 D3.2 panel-mount box, front wall mounting				
44420018	M23 A1 D3,2	black (N)	Ø 3.2 mm (4x)	5
44420017	M23 A1 D3,2	black (N)	Ø 3.2 mm (4x)	20
44420020	M23 A1 D3,2	red (+20°)	Ø 3.2 mm (4x)	5
44420019	M23 A1 D3,2	red (+20°)	Ø 3.2 mm (4x)	20
44420016	M23 A1 D3,2	blue (-20°)	Ø 3.2 mm (4x)	5
44420015	M23 A1 D3,2	blue (-20°)	Ø 3.2 mm (4x)	20
Type M23 A3 panel-mount connector, angled, rotatable, front wall mounting				
24420055	M23 A3	black (N)	Ø 2.7 mm (4x)	5
24420054	M23 A3	black (N)	Ø 2.7 mm (4x)	20

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 G4

Circular connectors for Servo Cables and encoders





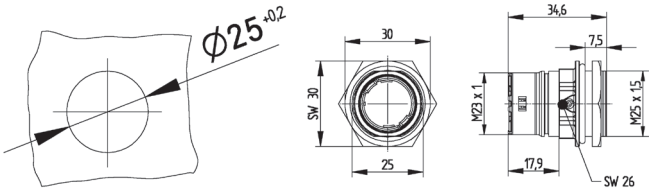
Info

- For mounting in existing M25 threads or boreholes

EPIC® SIGNAL M23 G5

Circular connectors for Servo Cables and encoders

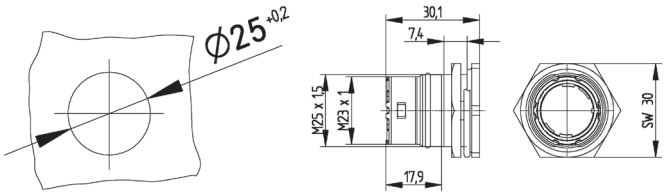




EPIC® SIGNAL M23 G6

Circular connectors for Servo Cables and encoders





Benefits

- Fast and easy assembly
- Only one M25 bore hole necessary

Application range

- Plant engineering
- Servo drives and servo assemblies
- Measurement and control technology

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: nickel-plated zinc die-casting
Sealing: FPM

Protection rating
IP68 (10h/1m)

VDE-tested
Certified production control: VDE-REG.no. C24 (according to EN 61984, SELV according to DIN VDE 0100-410 has to be guaranteed)
UL File Number: E249137

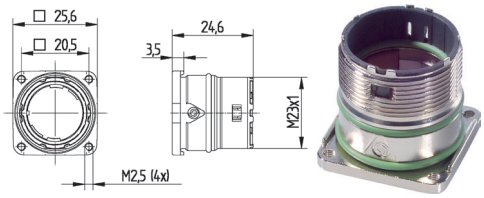
Temperature range
-25°C up to +125°C

Article number	Article	Coding	Fastening type	Pieces / PU
Type M23 G4 panel-mount box, front wall mounting				
44420032	M23 G4	black (N)	M25 x 1.5	5
44420031	M23 G4	black (N)	M25 x 1.5	20
44420034	M23 G4	red (+20°)	M25 x 1.5	5
44420033	M23 G4	red (+20°)	M25 x 1.5	20
44420030	M23 G4	blue (-20°)	M25 x 1.5	5
44420029	M23 G4	blue (-20°)	M25 x 1.5	20
Type M23 G5 panel-mount box, front wall mounting				
44420046	M23 G5	black (N)	M25 x 1.5 (with nut)	5
44420045	M23 G5	black (N)	M25 x 1.5 (with nut)	20
44420048	M23 G5	red (+20°)	M25 x 1.5 (with nut)	5
44420047	M23 G5	red (+20°)	M25 x 1.5 (with nut)	20
44420044	M23 G5	blue (-20°)	M25 x 1.5 (with nut)	5
44420043	M23 G5	blue (-20°)	M25 x 1.5 (with nut)	20
Type M23 G6 panel-mount box, rear wall mounting				
44420071	M23 G6	black (N)	M25 x 1.5 (with nut)	5
44420073	M23 G6	black (N)	M25 x 1.5 (with nut)	20

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 B1

Circular connectors for Servo Cables and encoders

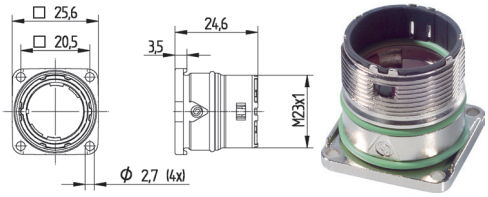


Info

- Housing for mounting at inner side to save space outside of device

EPIC® SIGNAL M23 B2

Circular connectors for Servo Cables and encoders



Benefits

EPIC® SIGNAL M23 B1

- Defined stop position when mounting at device prevents uncontrolled pressing of sealing
- Harnessed insulation body can easily inserted from back side in already mounted housing

EPIC® SIGNAL M23 B2

- Housings are very flexible - cable connectors with wide clamping range, receptacle housings for assembling the inserts from the front and rear
- Harnessed insulation body can easily inserted from back side in already mounted housing

Application range

- Plant engineering
- Servo drives and servo assemblies
- Measurement and control technology

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: nickel-plated zinc die-casting
Sealing: FPM

Protection rating
IP68 (10h/1m)

VDE-tested
Certified production control: VDE-REG.no. C24 (according to EN 61984, SELV according to DIN VDE 0100-410 has to be guaranteed)
UL File Number: E249137

Temperature range
-25 °C up to +125 °C

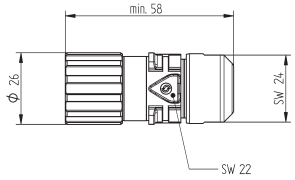
Article number	Article	Coding	Fastening type	Pieces / PU
Type M23 B1 panel-mount box, rear wall mounting				
44420024	M23 B1	black (N)	M2.5 (4x)	5
44420023	M23 B1	black (N)	M2.5 (4x)	20
44420026	M23 B1	red (+20°)	M2.5 (4x)	5
44420025	M23 B1	red (+20°)	M2.5 (4x)	20
44420022	M23 B1	blue (-20°)	M2.5 (4x)	5
44420021	M23 B1	blue (-20°)	M2.5 (4x)	20
Type M23 B2 panel-mount box, rear wall mounting				
44420050	M23 B2	black (N)	Ø 2.7 mm (4x)	5
44420051	M23 B2	black (N)	Ø 2.7 mm (4x)	20
44420035	M23 B2	red (+20°)	Ø 2.7 mm (4x)	5
44420049	M23 B2	red (+20°)	Ø 2.7 mm (4x)	20
44420052	M23 B2	blue (-20°)	Ø 2.7 mm (4x)	5
44420053	M23 B2	blue (-20°)	Ø 2.7 mm (4x)	20

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 D6

Circular connectors for Servo Cables and encoders





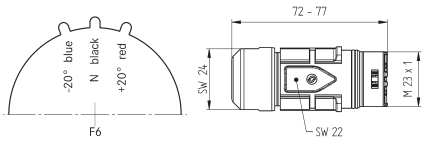
Info

- Robust metal connector with integrated EMC cable gland

EPIC® SIGNAL M23 F6

Circular connectors for Servo Cables and encoders

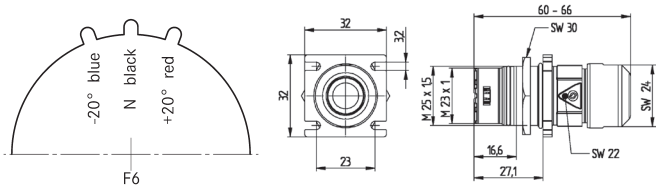




EPIC® SIGNAL M23 F7

Circular connectors for Servo Cables and encoders





Benefits

- Low-resistance screen contact, optimum EMC protection
- Use of high quality materials for increased reliability

Application range

- Plant engineering
- Servo drives and servo assemblies
- Measurement and control technology

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Material
Housing: nickel-plated zinc die-casting
Sealing: FPM

Protection rating
IP68 (10h/1m)

VDE-tested
Certified production control: VDE-REG.no. C24 (according to EN 61984, SELV according to DIN VDE 0100-410 has to be guaranteed)
UL File Number: E249137

Temperature range
-25°C up to +125°C

Article number	Article	Coding	Cable clamping range	Fastening type	Pieces / PU
Type M23 D6 cable connector					
44420037	M23 D6	black (N)	7.0 - 13.5		5
72044030	M23 D6	black (N)	7.0 - 10.0		5
72044020	M23 D6	black (N)	7.0 - 10.0		20
72044000	M23 D6	black (N)	9.5 - 13.5		5
72044010	M23 D6	black (N)	9.5 - 13.5		20
44420038	M23 D6	red (+20°)	7.0 - 13.5		5
72044230	M23 D6	red (+20°)	7.0 - 10.0		5
72044220	M23 D6	red (+20°)	7.0 - 10.0		20
72044200	M23 D6	red (+20°)	9.5 - 13.5		5
72044210	M23 D6	red (+20°)	9.5 - 13.5		20
44420036	M23 D6	blue (-20°)	7.0 - 13.5		5
72044130	M23 D6	blue (-20°)	7.0 - 10.0		5
72044120	M23 D6	blue (-20°)	7.0 - 10.0		20
72044100	M23 D6	blue (-20°)	9.5 - 13.5		5
72044110	M23 D6	blue (-20°)	9.5 - 13.5		20

Article number	Article	Coding	Cable clamping range	Fastening type	Pieces / PU
Type M23 F6 coupling connector					
44420040	M23 F6	black (N)	7.0 - 13.5		5
72064030	M23 F6	black (N)	7.0 - 10.0		5
72064020	M23 F6	black (N)	7.0 - 10.0		20
72064000	M23 F6	black (N)	9.5 - 13.5		5
72064010	M23 F6	black (N)	9.5 - 13.5		20
44420041	M23 F6	red (+20°)	7.0 - 13.5		5
72064230	M23 F6	red (+20°)	7.0 - 10.0		5
72064220	M23 F6	red (+20°)	7.0 - 10.0		20
72064200	M23 F6	red (+20°)	9.5 - 13.5		5
72064210	M23 F6	red (+20°)	9.5 - 13.5		20
44420039	M23 F6	blue (-20°)	7.0 - 13.5		5
72064130	M23 F6	blue (-20°)	7.0 - 10.0		5
72064120	M23 F6	blue (-20°)	7.0 - 10.0		20
72064100	M23 F6	blue (-20°)	9.5 - 13.5		5
Type M23 F7 panel-mount connector, front/rear wall mounting					
44420009	M23 F7	black (N)	7.0 - 10.0	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5
44420010	M23 F7	black (N)	7.0 - 10.0	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	20
44420011	M23 F7	black (N)	9.5 - 13.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5
44420012	M23 F7	black (N)	9.5 - 13.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	20
44420001	M23 F7	red (+20°)	7.0 - 10.0	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5
44420002	M23 F7	red (+20°)	7.0 - 10.0	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	20
44420003	M23 F7	red (+20°)	9.5 - 13.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5
44420004	M23 F7	red (+20°)	9.5 - 13.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	20
44420005	M23 F7	blue (-20°)	7.0 - 10.0	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5
44420006	M23 F7	blue (-20°)	7.0 - 10.0	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	20
44420007	M23 F7	blue (-20°)	9.5 - 13.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5
44420008	M23 F7	blue (-20°)	9.5 - 13.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	20

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 C2

Circular connectors for Servo Cables and encoders



Benefits

- Quick and easy separation of connection from both sides of a wall
- For connecting two pre-assembled M23 D6 cable connectors

Application range

- Plant engineering
- Measurement and control technology

Technical data

Classification
ETIM 5.0 Class-ID: EC001322
ETIM 5.0 Class-Description: Round socket/plug for high currents

Material
Housing: nickel-plated copper alloy
Insert: thermoplastic
Sealing: neoprene

Protection rating
IP 67

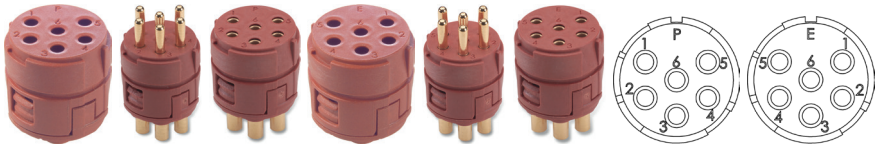
Temperature range
-25 °C up to +125 °C

Article number	Article description	Version	Contacts included	Fastening type	Pin configuration	Pieces / PU
Type M23 C2 feed-through connector						
00010108	EPIC® M23 C2 12	black (N)	12	Ø 2.7 mm (4x)	12E male - 12P female	5
00010521	EPIC® M23 C2 17	black (N)	17	Ø 2.7 mm (4x)	17E male - 17P female	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 Inserts 6 pole

Inserts for M23 circular connectors



EPIC® SIGNAL M23 Inserts 7 pole

Inserts for M23 circular connectors



Suitable housing

- EPIC® SIGNAL M23 A1 Page 209
- EPIC® SIGNAL M23 A1 D3.2 Page 209
- EPIC® SIGNAL M23 A3 Page 209
- EPIC® SIGNAL M23 G4 Page 210
- EPIC® SIGNAL M23 G5 Page 210
- EPIC® SIGNAL M23 G6 Page 210
- EPIC® SIGNAL M23 B1 Page 211
- EPIC® SIGNAL M23 B2 Page 211
- EPIC® SIGNAL M23 O1
- EPIC® SIGNAL M23 D6 Page 212
- EPIC® SIGNAL M23 F6 Page 212
- EPIC® SIGNAL M23 F7 Page 212
- All inserts fit into all housings

Suitable contacts:

- EPIC® SIGNAL M23 Contacts male Page 219
- EPIC® SIGNAL M23 Contacts female Page 219
- Use 2 mm contacts

Benefits

- Universal further processing of the M23 inserts through different packaging units. Fully assembled with suitable solder contacts or unpopulated for individual assembly with crimp or solder contacts

Application range

- Plant engineering
- Measurement and control technology
- Apparatus construction

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
according to IEC 61984: 150 V

Rated impulse voltage
4 kV

Rated current (A)
18 A

Degree of soiling
3

Contact resistance
< 4 mOhm

Contacts
Gold-plated brass

Number of contacts
EPIC® SIGNAL M23 Inserts 6 pole
6
EPIC® SIGNAL M23 Inserts 7 pole
7

Termination methods
Crimp termination: 1.0 - 2.5 mm²
Solder termination: up to 2.5 mm²

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no. C24 (according to EN 61984, SELV according to DIN VDE 0100-410 has to be guaranteed)
UL File Number: E249137

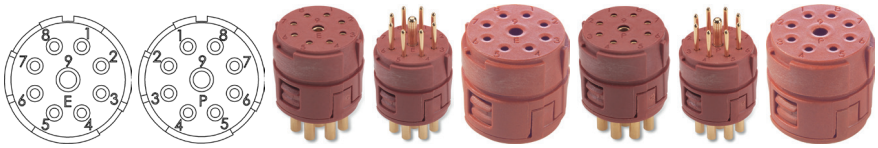
Temperature range
-25 °C up to +125 °C

Article number	Article description	Inserts	Contacts included	Pin configuration	Pieces / PU
6-pin inserts, P-part = rotation to the left (anticlockwise)					
73002760	P-part	without contacts		6	5
73002761	P-part	without contacts		6	20
73002762	P-part	+ male contacts, solder	6	6	5
73002763	P-part	+ male contacts, solder	6	6	20
73002764	P-part	+ female contacts, solder	6	6	5
73002765	P-part	+ female contacts, solder	6	6	20
6-pin inserts, E-part = rotation to the right (clockwise)					
73002766	E-Part	without contacts		6	5
73002767	E-Part	without contacts		6	20
73002768	E-Part	+ male contacts, solder	6	6	5
73002769	E-Part	+ male contacts, solder	6	6	20
73002770	E-Part	+ female contacts, solder	6	6	5
73002771	E-Part	+ female contacts, solder	6	6	20
7-pin inserts, P-part = rotation to the left (anticlockwise)					
44420148	P-part	without contacts		7	5
44420149	P-part	without contacts		7	20
44420150	P-part	+ male contacts, solder	7	7	5
44420151	P-part	+ male contacts, solder	7	7	20
44420152	P-part	+ female contacts, solder	7	7	5
44420153	P-part	+ female contacts, solder	7	7	20
7-pin inserts, E-part = rotation to the right (clockwise)					
44420154	E-Part	without contacts		7	5
44420155	E-Part	without contacts		7	20
44420156	E-Part	+ male contacts, solder	7	7	5
44420157	E-Part	+ male contacts, solder	7	7	20
44420158	E-Part	+ female contacts, solder	7	7	5
44420159	E-Part	+ female contacts, solder	7	7	20

The inserts are suitable for both male and female contacts. For a complete connection, you will need one P-component and one E-component. P-component = left turning (anticlockwise), E-component = right turning (clockwise)
Photographs are not to scale and do not represent detailed images of the respective products.

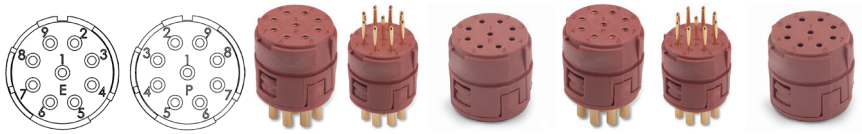
EPIC® SIGNAL M23 Inserts 8+1 pole

Inserts for M23 circular connectors



EPIC® SIGNAL M23 Inserts 9 pole

Inserts for M23 circular connectors



Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
according to IEC 61984: 150 V

Rated impulse voltage
EPIC® SIGNAL M23 Inserts 8+1 pole
2.5 kV
EPIC® SIGNAL M23 Inserts 9 pole
1.5 kV

Rated current (A)
EPIC® SIGNAL M23 Inserts 8+1 pole
20 A (2 mm contact)
7 A (1 mm contacts)
EPIC® SIGNAL M23 Inserts 9 pole
7 A

Degree of soiling
3

Contact resistance
< 4 mOhm

Contacts
Gold-plated brass

Number of contacts
EPIC® SIGNAL M23 Inserts 8+1 pole
8 + 1
EPIC® SIGNAL M23 Inserts 9 pole
9

Termination methods
EPIC® SIGNAL M23 Inserts 8+1 pole
Crimp termination: 0.14 - 1.0 mm²
(1.0 - 2.5 mm² for 2-mm contact)
Solder termination: up to 1.0 mm²
(up to 2.5 mm² for 2-mm contact)
EPIC® SIGNAL M23 Inserts 9 pole
Crimp termination: 0.14 - 1.0 mm²
Solder termination: up to 1.0 mm²

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no. C24 (according to EN 61984, SELV according to DIN VDE 0100-410 has to be guaranteed)
UL File Number: E249137

Temperature range
-25 °C up to +125 °C

Suitable housing

- EPIC® SIGNAL M23 A1 Page 209
- EPIC® SIGNAL M23 A1 D3.2 Page 209
- EPIC® SIGNAL M23 A3 Page 209
- EPIC® SIGNAL M23 G4 Page 210
- EPIC® SIGNAL M23 G5 Page 210
- EPIC® SIGNAL M23 G6 Page 210
- EPIC® SIGNAL M23 B1 Page 211
- EPIC® SIGNAL M23 B2 Page 211
- EPIC® SIGNAL M23 O1
- EPIC® SIGNAL M23 D6 Page 212
- EPIC® SIGNAL M23 F6 Page 212
- EPIC® SIGNAL M23 F7 Page 212
- All inserts fit into all housings

Suitable contacts:

- EPIC® SIGNAL M23 Contacts male Page 219
- EPIC® SIGNAL M23 Contacts female Page 219

EPIC® SIGNAL M23 Einsätze 8+1 polig

- 8+1: 8*1 mm contact, 1*2 mm contact

EPIC® SIGNAL M23 Einsätze 9 polig

- 9: 9*1 mm contact

Benefits

- Universal further processing of the M23 inserts through different packaging units. Fully assembled with suitable solder contacts or unpopulated for individual assembly with crimp or solder contacts

Application range

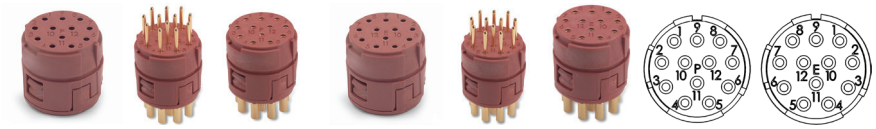
- Plant engineering
- Measurement and control technology
- Apparatus construction

Article number	Article description	Inserts	Contacts included	Pin configuration	Pieces / PU
8+1-pin inserts, P-part = rotation to the left (anticlockwise)					
73002736	P-part	without contacts		8+1	5
73002737	P-part	without contacts		8+1	20
73002738	P-part	+ male contacts, solder	9	8+1	5
73002739	P-part	+ male contacts, solder	9	8+1	20
73002740	P-part	+ female contacts, solder	9	8+1	5
73002741	P-part	+ female contacts, solder	9	8+1	20
8+1-pin inserts, E-part = rotation to the right (clockwise)					
73002742	E-Part	without contacts		8+1	5
73002743	E-Part	without contacts		8+1	20
73002744	E-Part	+ male contacts, solder	9	8+1	5
73002745	E-Part	+ male contacts, solder	9	8+1	20
73002746	E-Part	+ female contacts, solder	9	8+1	5
73002747	E-Part	+ female contacts, solder	9	8+1	20
9-pin inserts, P-part = rotation to the left (anticlockwise)					
73002724	P-part	Unpopulated		9	5
73002725	P-part	Unpopulated		9	20
73002726	P-part	+ male contacts, solder	9	9	5
73002727	P-part	+ male contacts, solder	9	9	20
73002728	P-part	+ female contacts, solder	9	9	5
73002729	P-part	+ female contacts, solder	9	9	20
9-pin inserts, E-part = rotation to the right (clockwise)					
73002730	E-Part	Unpopulated		9	5
73002731	E-Part	Unpopulated		9	20
73002732	E-Part	+ male contacts, solder	9	9	5
73002733	E-Part	+ male contacts, solder	9	9	20
73002734	E-Part	+ female contacts, solder	9	9	5
73002735	E-Part	+ female contacts, solder	9	9	20

The inserts are suitable for both male and female contacts. For a complete connection, you will need one P-component and one E-component. P-component = left turning (anticlockwise), E-component = right turning (clockwise)
Photographs are not to scale and do not represent detailed images of the respective products.

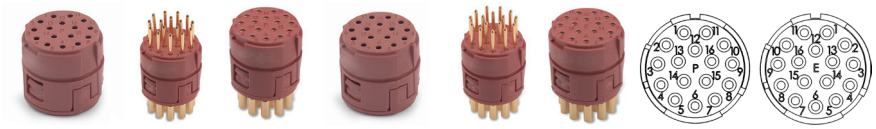
EPIC® SIGNAL M23 Inserts 12 pole

Inserts for M23 circular connectors



EPIC® SIGNAL M23 Inserts 16 pole

Inserts for M23 circular connectors



Suitable housing

- EPIC® SIGNAL M23 A1 Page 209
- EPIC® SIGNAL M23 A1 D3.2 Page 209
- EPIC® SIGNAL M23 A3 Page 209
- EPIC® SIGNAL M23 G4 Page 210
- EPIC® SIGNAL M23 G5 Page 210
- EPIC® SIGNAL M23 G6 Page 210
- EPIC® SIGNAL M23 B1 Page 211
- EPIC® SIGNAL M23 B2 Page 211
- EPIC® SIGNAL M23 O1
- EPIC® SIGNAL M23 D6 Page 212
- EPIC® SIGNAL M23 F6 Page 212
- EPIC® SIGNAL M23 F7 Page 212
- All inserts fit into all housings

Suitable contacts:

- EPIC® SIGNAL M23 Contacts male Page 219
- EPIC® SIGNAL M23 Contacts female Page 219

Benefits

- Universal further processing of the M23 inserts through different packaging units. Fully assembled with suitable solder contacts or unpopulated for individual assembly with crimp or solder contacts

Application range

- Plant engineering
- Measurement and control technology
- Apparatus construction

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
according to IEC 61984: 100 V

Rated impulse voltage
1.5 kV

Rated current (A)
7 A

Degree of soiling
3

Contact resistance
< 4 mOhm

Contacts
Gold-plated brass

Number of contacts
EPIC® SIGNAL M23 Inserts 12 pole
13
EPIC® SIGNAL M23 Inserts 16 pole
16

Termination methods
Crimp termination: 0.14 - 1.0 mm²
Solder termination: up to 1.0 mm²

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no. C24 (according to EN 61984, SELV according to DIN VDE 0100-410 has to be guaranteed)
UL File Number: E249137

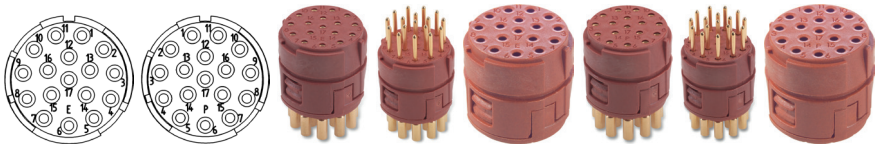
Temperature range
-25°C up to +125°C

Article number	Article description	Inserts	Contacts included	Pin configuration	Pieces / PU
12-pin inserts, P-part = rotation to the left (anticlockwise)					
73002712	P-part	Unpopulated		12	5
73002713	P-part	Unpopulated		12	20
73002714	P-part	+ male contacts, solder	12	12	5
73002715	P-part	+ male contacts, solder	12	12	20
73002716	P-part	+ female contacts, solder	12	12	5
73002717	P-part	+ female contacts, solder	12	12	20
12-pin inserts, E-part = rotation to the right (clockwise)					
73002718	E-Part	Unpopulated		12	5
73002719	E-Part	Unpopulated		12	20
73002720	E-Part	+ male contacts, solder	12	12	5
73002721	E-Part	+ male contacts, solder	12	12	20
73002722	E-Part	+ female contacts, solder	12	12	5
73002723	E-Part	+ female contacts, solder	12	12	20
16-pin inserts, P-part = rotation to the left (anticlockwise)					
73002700	P-part	Unpopulated		16	5
73002701	P-part	Unpopulated		16	20
73002702	P-part	+ male contacts, solder	16	16	5
73002703	P-part	+ male contacts, solder	16	16	20
73002704	P-part	+ female contacts, solder	16	16	5
73002705	P-part	+ female contacts, solder	16	16	20
16-pin inserts, E-part = rotation to the right (clockwise)					
73002706	E-Part	Unpopulated		16	5
73002707	E-Part	Unpopulated		16	20
73002708	E-Part	+ male contacts, solder	16	16	5
73002709	E-Part	+ male contacts, solder	16	16	20
73002710	E-Part	+ female contacts, solder	16	16	5
73002711	E-Part	+ female contacts, solder	16	16	20

The inserts are suitable for both male and female contacts. For a complete connection, you will need one P-component and one E-component. P-component = left turning (anticlockwise), E-component = right turning (clockwise)
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 Inserts 17 pole

Inserts for M23 circular connectors



Suitable housing

- EPIC® SIGNAL M23 A1 Page 209
- EPIC® SIGNAL M23 A1 D3.2 Page 209
- EPIC® SIGNAL M23 A3 Page 209
- EPIC® SIGNAL M23 G4 Page 210
- EPIC® SIGNAL M23 G5 Page 210
- EPIC® SIGNAL M23 G6 Page 210
- EPIC® SIGNAL M23 B1 Page 211
- EPIC® SIGNAL M23 B2 Page 211
- EPIC® SIGNAL M23 O1
- EPIC® SIGNAL M23 D6 Page 212
- EPIC® SIGNAL M23 F6 Page 212
- EPIC® SIGNAL M23 F7 Page 212
- All inserts fit into all housings

Suitable contacts:

- EPIC® SIGNAL M23 Contacts male Page 219
- EPIC® SIGNAL M23 Contacts female Page 219

Benefits

- Universal further processing of the M23 inserts through different packaging units. Fully assembled with suitable solder contacts or unpopulated for individual assembly with crimp or solder contacts

Application range

- Plant engineering
- Measurement and control technology
- Apparatus construction

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
according to IEC 61984: 50 V

Rated impulse voltage
0,8 kV

Rated current (A)
7 A

Degree of soiling
3

Contact resistance
< 4 mOhm

Contacts
Gold-plated brass

Number of contacts
17

Termination methods
Crimp termination: 0.14 - 1.0 mm²
Solder termination: up to 1.0 mm²

Cycle of mechanical operation
100

VDE-tested
Certified production control:
VDE-REG.no. C24 (according to EN 61984, SELV according to DIN VDE 0100-410 has to be guaranteed)
UL File Number: E249137

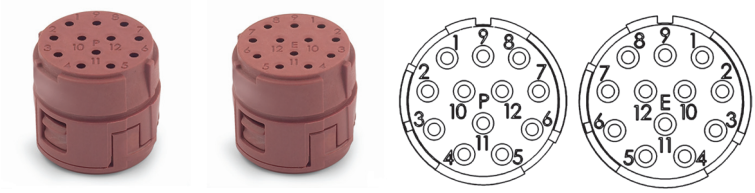
Temperature range
-25 °C up to +125 °C

Article number	Article description	Inserts	Contacts included	Pin configuration	Pieces / PU
17-pin inserts, P-part = rotation to the left (anticlockwise)					
73008000	P-part	Unpopulated		17	5
73008010	P-part	Unpopulated		17	20
73028000	P-part	+ male contacts, solder	17	17	5
73028010	P-part	+ male contacts, solder	17	17	20
73018000	P-part	+ female contacts, solder	17	17	5
73018010	P-part	+ female contacts, solder	17	17	20
17-pin inserts, E-part = rotation to the right (clockwise)					
73008500	E-Part	Unpopulated		17	5
73008510	E-Part	Unpopulated		17	20
73028500	E-Part	+ male contacts, solder	17	17	5
73028510	E-Part	+ male contacts, solder	17	17	20
73018500	E-Part	+ female contacts, solder	17	17	5
73018510	E-Part	+ female contacts, solder	17	17	20

The inserts are suitable for both male and female contacts. For a complete connection, you will need one P-component and one E-component. P-component = left turning (anticlockwise), E-component = right turning (clockwise)
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 Inserts 12 pole D-Sub

Inserts for M23 circular connectors

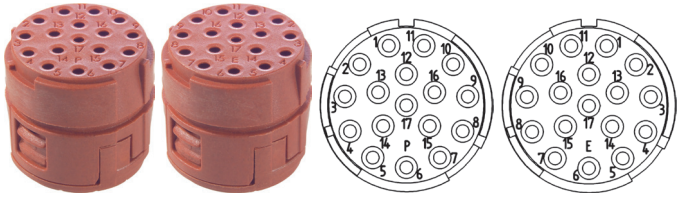


Info

- For D-Sub ribbon contacts
- For automated production with crimping machine

EPIC® SIGNAL M23 Inserts 17 pole D-Sub

Inserts for M23 circular connectors



Info

- For D-Sub ribbon contacts
- For automated production with crimping machine

Suitable housing

- EPIC® SIGNAL M23 A1 Page 209
- EPIC® SIGNAL M23 A1 D3.2 Page 209
- EPIC® SIGNAL M23 A3 Page 209
- EPIC® SIGNAL M23 G4 Page 210
- EPIC® SIGNAL M23 G5 Page 210
- EPIC® SIGNAL M23 G6 Page 210
- EPIC® SIGNAL M23 B1 Page 211
- EPIC® SIGNAL M23 B2 Page 211
- EPIC® SIGNAL M23 O1
- EPIC® SIGNAL M23 D6 Page 212
- EPIC® SIGNAL M23 F6 Page 212
- EPIC® SIGNAL M23 F7 Page 212

Suitable contacts:

- EPIC® M-D 1.0 D-Sub stamped contacts-on-reel Page 82

Benefits

- Efficient assembling due to the use of D-Sub contacts-on-reel

Application range

- Plant engineering
- Measurement and control technology
- Apparatus construction

Technical data

Classification
ETIM 5.0 Class-ID: EC000438
ETIM 5.0 Class-Description: Contact insert for industrial connectors

Rated voltage (V)
EPIC® SIGNAL M23 Inserts 12 pole D-Sub
according to IEC 61984: 100 V
EPIC® SIGNAL M23 Inserts 17 pole D-Sub
according to IEC 61984: 50 V

Rated impulse voltage
EPIC® SIGNAL M23 Inserts 12 pole D-Sub
1.5 kV
EPIC® SIGNAL M23 Inserts 17 pole D-Sub
0,8 kV

Rated current (A)
4 A

Degree of soiling
3

Contact resistance
< 4 mOhm

Contacts
Partly gold-plated brass

Number of contacts
EPIC® SIGNAL M23 Inserts 12 pole D-Sub
13
EPIC® SIGNAL M23 Inserts 17 pole D-Sub
17

Termination methods
Crimp termination: 0.08 - 0.56 mm²

Cycle of mechanical operation
50

Temperature range
-25°C up to +125°C

Article number	Article description	Inserts	Pin configuration	Pieces / PU
12-pin inserts, E-part = rotation to the right (clockwise)				
44420120	E-Part	Unpopulated, for male D-Sub crimp-contacts on reel	12	5
44420121	E-Part	Unpopulated, for male D-Sub crimp-contacts on reel	12	20
44420122	E-Part	Unpopulated, for female D-Sub crimp-contacts on reel	12	5
44420123	E-Part	Unpopulated, for female D-Sub crimp-contacts on reel	12	20
12-pin inserts, P-part = rotation to the left (anticlockwise)				
44420124	P-part	Unpopulated, for male D-Sub crimp-contacts on reel	12	5
44420125	P-part	Unpopulated, for male D-Sub crimp-contacts on reel	12	20
44420126	P-part	Unpopulated, for female D-Sub crimp-contacts on reel	12	5
44420127	P-part	Unpopulated, for female D-Sub crimp-contacts on reel	12	20
17-pin inserts, E-part = rotation to the right (clockwise)				
44420128	E-Part	Unpopulated, for male D-Sub crimp-contacts on reel	17	5
44420129	E-Part	Unpopulated, for male D-Sub crimp-contacts on reel	17	20
44420130	E-Part	Unpopulated, for female D-Sub crimp-contacts on reel	17	5
44420131	E-Part	Unpopulated, for female D-Sub crimp-contacts on reel	17	20
17-pin inserts, P-part = rotation to the left (anticlockwise)				
44420132	P-part	Unpopulated, for male D-Sub crimp-contacts on reel	17	5
44420133	P-part	Unpopulated, for male D-Sub crimp-contacts on reel	17	20
44420134	P-part	Unpopulated, for female D-Sub crimp-contacts on reel	17	5
44420135	P-part	Unpopulated, for female D-Sub crimp-contacts on reel	17	20

The inserts are suitable for both male and female contacts. For a complete connection, you will need one P-component and one E-component. P-component = left turning (anticlockwise), E-component = right turning (clockwise)
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 Contacts male

Contacts, tools, accessories for circular connectors M23

Info

- All contacts are high quality gold plated
- Contacts are designed for wide crimping range, therefore low number of variants
- Contacts in solder or crimp version available



EPIC® SIGNAL M23 Contacts female

Contacts, tools, accessories for circular connectors M23

Info

- All contacts are high quality gold plated
- Contacts are designed for wide crimping range, therefore low number of variants
- Contacts in solder or crimp version available



Article number	Article designation	Version	For design	Pieces / PU
1mm contacts male				
72400001	EPIC® M23 SCEM 1 mm AU 0,14 - 1,0 (10)	1 mm male crimp	M23 inserts (not D-Sub)	10
72400000	EPIC® M23 SCEM 1 mm AU 0,14 - 1,0 (100)	1 mm male crimp	M23 inserts (not D-Sub)	100
72402001	EPIC® M23 SLEM 1 mm AU 1.0 (10)	1 mm male solder	M23 inserts (not D-Sub)	10
72402000	EPIC® M23 SLEM 1 mm AU 1.0 (100)	1 mm male solder	M23 inserts (not D-Sub)	100
2mm contacts male				
72401000	EPIC® M23 SCEM 2 mm AU 1,0 - 2,5 (100)	2 mm male crimp	M23 inserts (not D-Sub)	100
72403100	EPIC® M23 SLEM 2 mm AU (10)	2 mm male solder	M23 inserts (not D-Sub)	10
72403000	EPIC® M23 SLEM 2 mm AU (100)	2 mm male solder	M23 inserts (not D-Sub)	100
1mm contacts female				
74020601	EPIC® M23 BCEMS 1 mm AU 0.14 - 1.0 (10)	1 mm female slot 0.14 - 1.0 mm²	per inserts M23 (not D-Sub), LS1 D6, A6	10
74200600	EPIC® M23 BCEMS 1 mm AU 0.14 - 1.0 (100)	1 mm female slot 0.14 - 1.0 mm²	per inserts M23 (not D-Sub), LS1 D6, A6	100
72402601	EPIC® M23 BLEMS 1 mm 1.0 AU (10)	1 mm female slot solder	M23 inserts (not D-Sub)	10
72402600	EPIC® M23 BLEMS 1 mm 1.0 AU (100)	1 mm female slot solder	M23 inserts (not D-Sub)	100
74034500	LS1 D BCEMS 1 mm AU 0.14 - 1.0 (100)	1 mm female hyperboloid 0.14 - 1.0 mm²	per inserts M23 (not D-Sub), LS1 D6, A6	100
74034501	LS1 D BCEMS 1 mm AU 0.14 - 1.0 (10)	1 mm female hyperboloid 0.14 - 1.0 mm²	per inserts M23 (not D-Sub), LS1 D6, A6	10
2mm contacts female				
72401601	EPIC® M23 BCEMS 2 mm AU 1,0 - 2,5 (10)	2 mm female crimp	M23 inserts (not D-Sub)	10
72401600	EPIC® M23 BCEMS 2 mm AU 1,0 - 2,5 (100)	2 mm female crimp	M23 inserts (not D-Sub)	100
72404100	EPIC® M23 BLEMS 2 mm AU 1,0 - 2,5 (10)	2 mm female solder	M23 inserts (not D-Sub)	10
72404000	EPIC® M23 BLEMS 2 mm AU 1,0 - 2,5 (100)	2 mm female solder	M23 inserts (not D-Sub)	100

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 Tools

Contacts, tools, accessories for circular connectors M23



Info

- Universal 4-indent crimping tool
- Resolver Locator for quick changes in processing other contacts

Article number	Article description	Inserts	Pieces / PU
Tools			
11148000	Crimping tool	In tool case, without locator	1
11148001	4-mandrel digital crimping tool	In tool case, without locator	1
11148002	Crimping machine	Pneumatic for 5 - 10 bar, locator not included	1
11148300	Locator for crimping tool LS1, M23		1
44420078	M23 removal tool for inserts	For housing type A, B, G, O	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 Accessories

Contacts, tools, accessories for circular connectors M23



Info

- Simple protective cover as transport protection
- Metall screw cap for safe covering
- SYLVIN® adapter for mounting a cable conduit or an additional cable gland

Article number	Article description	Inserts	Pieces / PU
EPIC® SIGNAL M23 Accessories			
75007810	M23-LS1 A, B, F, G protective cap	Plastic cap for A1, B1, B2, F6, F7, G4, G5, G6	20
75007710	M23 / LS1 D protective cap	Plastic cap for D6, A6	20
75018010	M23 A, B protective cap, plastic cord with cable lug	Metal cap for A1, A3, B1, B2	20
75018110	M23 A, B protective cap, plastic cord with variable loop	Metal cap for A1, A3, B1, B2	20
75018410	M23 D screw cap, plastic cord with loop	Metal screw cap for D	20
55001312	SILVYN ADAPTER M23/M20x1,5	For all integrated M23 cable glands	1

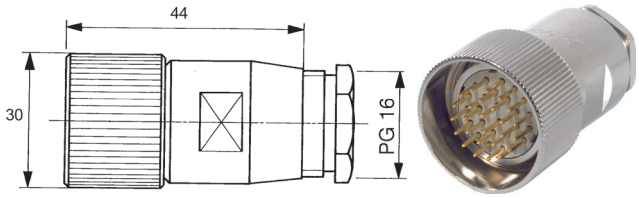
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL R 3.0 D PG16

Circular connectors with solder termination, 21-pin and 26-pin

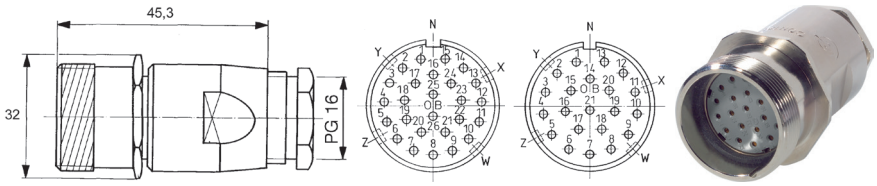
Info

- Compact and reliable connector for multicore signal cables



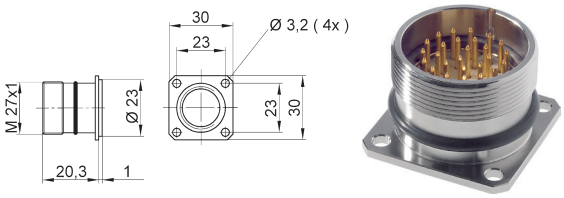
EPIC® SIGNAL R 3.0 F PG16

Circular connectors with solder termination, 21-pin and 26-pin



EPIC® SIGNAL R 3.0 A

Circular connectors with solder termination, 21-pin and 26-pin



Benefits

- Highest contact density at small space requirements
- Connector in solder version for easy maintanance

Application range

- Machine and equipment manufacturing
- Measurement and control technology

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
24V AC / 60VDC

Rated impulse voltage
1.5 kV

Rated current (A)
7.5 A

Contact resistance
< 3 mOhm

Contacts
Copper alloy, gold-plated

Number of contacts
21-pin / 26-pin

Termination methods
Solder termination: up to 1.0 mm²

Material
Housing: nickel-plated copper alloy
Insert: thermoplastic
Sealing: neoprene

Protection rating
IP 67 (maximum, dependant on cable gland used)

Cycle of mechanical operation
500

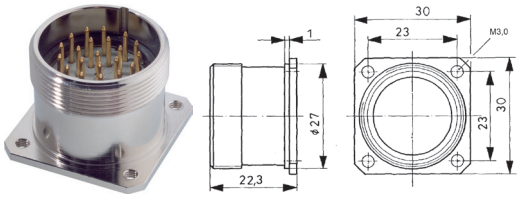
Temperature range
-40°C to +100°C,
short-term up to +125°C

Article number	Article	Version	Contacts	Pin configuration	Coding	Cable clamping range	Fastening type	Pieces / PU
R 3.0 D PG16								
00009045	SIGNAL R 3.0 D	male	1 - 21	E-Part	N	6.5 - 16.0		5
00008899	SIGNAL R 3.0 D	male	1 - 26	E-Part	N	6.5 - 16.0		5
00008749	SIGNAL R 3.0 D	female	1 - 21	P-Part	N	6.5 - 16.0		5
00008829	SIGNAL R 3.0 D	female	1 - 26	P-Part	N	6.5 - 16.0		5
R 3.0 F PG16								
00008854	SIGNAL R 3.0 F	male	1 - 21	E-Part	N	6.5 - 16.0		5
00008822	SIGNAL R 3.0 F	male	1 - 26	E-Part	N	6.5 - 16.0		5
00008779	SIGNAL R 3.0 F	female	1 - 21	P-Part	N	6.5 - 16.0		5
00008979	SIGNAL R 3.0 F	female	1 - 26	P-Part	N	6.5 - 16.0		5
R 3.0 A								
00008747	SIGNAL R 3.0 A	male	1 - 21	E-Part	N		Ø 3.2 mm (4x)	5
00008825	SIGNAL R 3.0 A	male	1 - 26	E-Part	N		Ø 3.2 mm (4x)	5
00008867	SIGNAL R 3.0 A	female	1 - 21	P-Part	N		Ø 3.2 mm (4x)	5
00008746	SIGNAL R 3.0 A	female	1 - 26	P-Part	N		Ø 3.2 mm (4x)	5

The housing is available with male or female inserts. The contact
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL R 3.0 B1

Circular connectors with solder termination, 21-pin and 26-pin

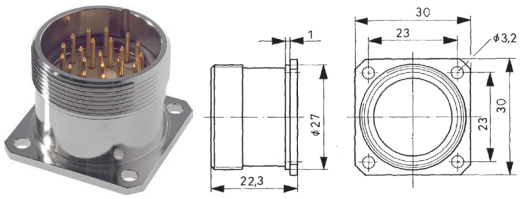


Info

- Compact and reliable connector for multicore signal cables

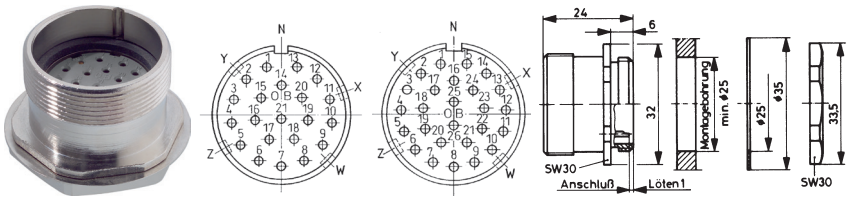
EPIC® SIGNAL R 3.0 B2

Circular connectors with solder termination, 21-pin and 26-pin



EPIC® SIGNAL R 3.0 G1

Circular connectors with solder termination, 21-pin and 26-pin



Benefits

- Highest contact density at small space requirements
- Connector in solder version for easy maintanance

Application range

- Machine and equipment manufacturing
- Measurement and control technology

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
24V AC / 60VDC

Rated impulse voltage
1.5 kV

Rated current (A)
7.5 A

Contact resistance
< 3 mOhm

Contacts
Copper alloy, gold-plated

Number of contacts
21-pin / 26-pin

Termination methods
Solder termination: up to 1.0 mm²

Material
Housing: nickel-plated copper alloy
Insert: thermoplastic
Sealing: neoprene

Protection rating
IP 67 (maximum, dependant on cable gland used)

Cycle of mechanical operation
500

Temperature range
-40 °C to +100 °C,
short-term up to +125 °C

Article number	Article	Version	Contacts	Pin configuration	Coding	Fastening type	Pieces / PU
R 3.0 B1							
00009082	SIGNAL R 3.0 B1	male	1 - 21	E-Part	N	M3 (4x)	5
00009135	SIGNAL R 3.0 B1	female	1 - 21	P-Part	N	M3 (4x)	5
00008978	SIGNAL R 3.0 B1	female	1 - 26	P-Part	N	M3 (4x)	5
R 3.0 B2							
00008939	SIGNAL R 3.0 B2	male	1 - 26	E-Part	N	Ø 3.2 mm (4x)	5
00009470	SIGNAL R 3.0 B2	female	1 - 26	P-Part	N	Ø 3.2 mm (4x)	5
R 3.0 G1							
00009371	ZYLIN R 3.0 G1	male	1 - 21	E-Part	N	Ø 25 mm (1x)	5
00009894	ZYLIN R 3.0 G1	male	1 - 26	E-Part	N	Ø 25 mm (1x)	5
00009057	ZYLIN R 3.0 G1	female	1 - 21	P-Part	N	Ø 25 mm (1x)	5
00009005	ZYLIN R 3.0 G1	female	1 - 26	P-Part	N	Ø 25 mm (1x)	5

The housing is available with male or female inserts. The contact
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL R 3.0 Tools

Contacts, tools, accessories for circular connectors



EPIC® SIGNAL R 3.0 Accessories

Contacts, tools, accessories for circular connectors



Technical data

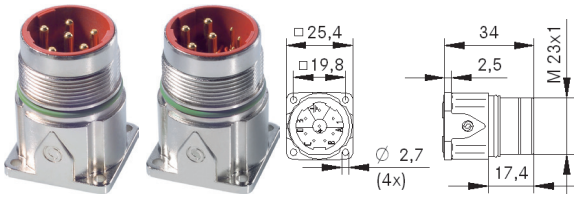
Classification
EPIC® SIGNAL R 3.0 Tools
ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection
EPIC® SIGNAL R 3.0 Accessories
ETIM 5.0 Class-ID: EC002314
ETIM 5.0 Class-Description: Cap for industrial connectors

Article number	Article designation	For design	Pieces / PU
EPIC® SIGNAL R 3.0 Tools			
50200800	R3.0 assembly/disassembly tool	for type D, F	1
Flat gasket			
50201203	R3.0 A flat gasket	for type A1	5
50202203	R3.0 B flat gasket	for type B	5
Metal cap			
50201120	R3.0 A metal screw-cap	for type A1	5

Photographs are not to scale and do not represent detailed images of the respective products.

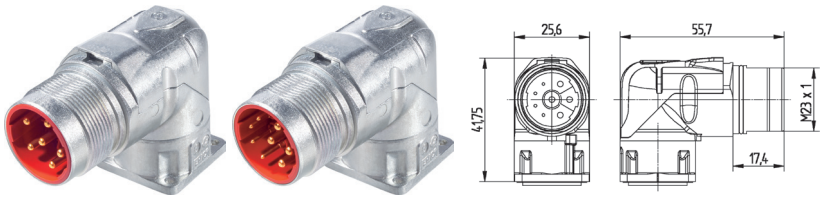
EPIC® POWER LS1 A1

Circular connectors for servomotors and power supply



EPIC® POWER LS1 A3

Circular connectors for servomotors and power supply



Info

- Rotateable with clearly defined adjustment positions

Suitable contacts:

- EPIC® POWER LS1 Contacts male Page 228
- PU = 5 pieces: the contacts are included. 2 mm contact crimp range is 0.5 - 2.5 mm².
- PU = 20 pieces: the contacts must be ordered separately

Benefits

- High power at smallest installation space, Optimal solution for electric motors
- EMC-optimised design
- Safety use in field environment by high protection class

Application range

- Plant engineering
- Servo drives and servo assemblies

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
630 V (2 mm contacts)
250 V (1 mm contacts)

Rated impulse voltage
6 kV (2 mm contacts)
4 kV (1 mm contacts)

Rated current (A)
26A/3+PE+4, 25A/5+PE (2mm contacts)
7 A (1 mm contacts)

Degree of soiling
3

Contact resistance
< 4 mOhm

Contacts
Gold-plated brass

Number of contacts
3+PE+4(2mm/1mm)
5+PE(2mm)

Termination methods
Crimp termination: 0.5 - 2.5 mm² (2 mm contacts)
Crimp termination: 0.14 - 1.0 mm² (1 mm contacts)

Material
Housing: nickel-plated zinc die-casting, nickel-plated brass
Insert: PA,
Seal: FPM

Protection rating
EPIC® POWER LS1 A1
IP68 (10h/1m)
EPIC® POWER LS1 A3
IP 65

Cycle of mechanical operation
500

VDE-tested
EPIC® POWER LS1 A1
Certified production control: VDE-REG.no. B25

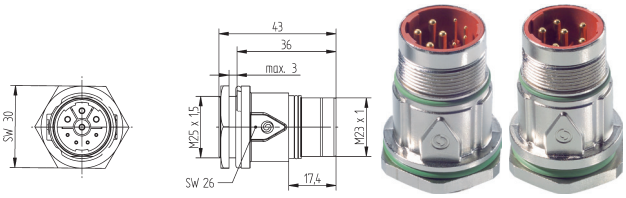
Temperature range
-25°C up to +125°C

Article number	Article description	Contacts included	Fastening type	Pin configuration	Pieces / PU
Type LS1 A1, front wall mounting, 6-pin, for male contacts					
76003000	LS1 A1	6	Ø 2.7 mm (4x)	5+PE	5
76003510	LS1 A1		Ø 2.7 mm (4x)	5+PE	20
Type LS1 A1, front wall mounting, 8-pin, for male contacts					
76004000	LS1 A1	8	Ø 2.7 mm (4x)	3+PE+4	5
76004510	LS1 A1		Ø 2.7 mm (4x)	3+PE+4	20
Type LS1 A3, angled, rotatable, 6-pin, for male contacts					
24420058	LS1 A3	6	Ø 2.7 mm (4x)	5+PE	5
24420059	LS1 A3		Ø 2.7 mm (4x)	5+PE	20
Type LS1 A3, angled, rotatable, 8-pin, for male contacts					
24420056	LS1 A3	8	Ø 2.7 mm (4x)	3+PE+4	5
24420057	LS1 A3		Ø 2.7 mm (4x)	3+PE+4	20

Photographs are not to scale and do not represent detailed images of the respective products.

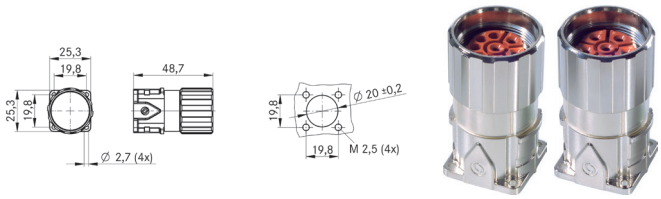
EPIC® POWER LS1 G5

Circular connectors for servomotors and power supply



EPIC® POWER LS1 A6

Circular connectors for servomotors and power supply



Info

- Allows a elecrical disconnecting point directly at power source

Suitable contacts:

EPIC® POWER LS1 G5

- EPIC® POWER LS1 Contacts male Page 228

EPIC® POWER LS1 A6

- EPIC® POWER LS1 Contacts male Page 228
- PU = 5 pieces: the contacts are included. 2 mm contact crimp range is 0.5 - 2.5 mm².
- PU = 20 pieces: the contacts must be ordered separately

Benefits

- High power at smallest installation space, Optimal solution for electric motors
- EMC-optimised design
- Safety use in field environment by high protection class

Application range

- Plant engineering
- Servo drives and servo assemblies

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
630 V (2 mm contacts)
250 V (1 mm contacts)

Rated impulse voltage
6 kV (2 mm contacts)
4 kV (1 mm contacts)

Rated current (A)
26A/3+PE+4, 25A/5+PE (2mm contacts)
7 A (1 mm contacts)

Degree of soiling
3

Contact resistance
< 4 mOhm

Contacts
Gold-plated brass

Number of contacts
3+PE+4(2mm/1mm)
5+PE(2mm)

Termination methods
Crimp termination: 0.5 - 2.5 mm² (2 mm contacts)
Crimp termination: 0.14 - 1.0 mm² (1 mm contacts)

Material
Housing: nickel-plated zinc die-casting, nickel-plated brass
Insert: PA,
Seal: FPM

Protection rating
IP68 (10h/1m)

Cycle of mechanical operation
500

VDE-tested
Certified production control: VDE-REG.no. B25

Temperature range
-25°C up to +125°C

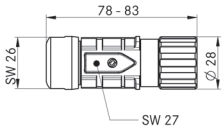
Article number	Article description	Contacts included	Fastening type	Pin configuration	Pieces / PU
Type LS1 G5,front wall mounting, 6-pin, for male contacts					
76153000	LS1 G5	6	M25 x 1.5 (with nut)	5+PE	5
76153510	LS1 G5		M25 x 1.5 (with nut)	5+PE	20
Type LS1 G5, front wall mouning, 8-pin, for male contacts					
76154000	LS1 G5	8	M25 x 1.5 (with nut)	3+PE+4	5
76154510	LS1 G5		M25 x 1.5 (with nut)	3+PE+4	20
Type LS1 A6, front wall mounting, 6-pin, for female contacts					
76083000	LS1 A6	6	Ø 2.7 mm (4x)	5+PE	5
76083510	LS1 A6		Ø 2.7 mm (4x)	5+PE	20
Type LS1 A6, front wall mounting, 8-pin, for female contacts					
76084000	LS1 A6	8	Ø 2.7 mm (4x)	3+PE+4	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWER LS1 D6

Circular connectors for servomotors and power supply

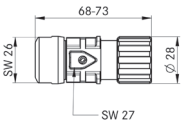




EPIC® POWER LS1 D6 (short)

Circular connectors for servomotors and power supply





Info

- Reduced length for cables which are easy to assemble

Suitable contacts:

- EPIC® POWER LS1 Contacts female Page 228
- PU = 5 pieces: the contacts are included. 2 mm contact crimp range is 0.5 - 2.5 mm².
- PU = 20 pieces: the contacts must be ordered separately

Benefits

- High power at smallest installation space, Optimal solution for electric motors
- EMC-optimised design
- Safety use in field environment by high protection class

Application range

- Plant engineering
- Servo drives and servo assemblies

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
630 V (2 mm contacts)
250 V (1 mm contacts)

Rated impulse voltage
6 kV (2 mm contacts)
4 kV (1 mm contacts)

Rated current (A)
26A/3+PE+4, 25A/5+PE (2mm contacts)
7 A (1 mm contacts)

Degree of soiling
3

Contact resistance
< 4 mOhm

Contacts
Gold-plated brass

Number of contacts
3+PE+4(2mm/1mm)
5+PE(2mm)

Termination methods
Crimp termination: 0.5 - 4.0 mm² (2 mm contacts)
Crimp termination: 0.14 - 1.0 mm² (1 mm contacts)

Material
Housing: nickel-plated zinc die-casting, nickel-plated brass
Insert: PA,
Seal: FPM

Protection rating
IP68 (10h/1m)

Cycle of mechanical operation
500

VDE-tested
Certified production control: VDE-REG.no. B25

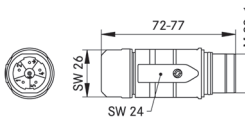
Temperature range
-25°C up to +125°C

Article number	Article description	Contacts included	Clamping range in mm	Pin configuration	Pieces / PU
Type LS1 D6, cable connector, 6-pin, for female contacts					
73000004	LS1 D6	6	8.5 - 11	5+PE	5
73000006	LS1 D6		8.5 - 11	5+PE	20
73000005	LS1 D6	6	10.5 - 15.5	5+PE	5
73000007	LS1 D6		10.5 - 15.5	5+PE	20
76123000	LS1 D6	6	7.5 - 15.5	5+PE	5
76123510	LS1 D6		7.5 - 15.5	5+PE	20
44420091	LS1 D6 with 2mm contact for 4mm² termination	6	14 - 17	5+PE	5
44420090	LS1 D6		14 - 17	5+PE	20
Type LS1 D6, cable connector, 8-pin, for female contacts					
73000000	LS1 D6	8	8.5 - 11	3+PE+4	5
73000002	LS1 D6		8.5 - 11	3+PE+4	20
73000001	LS1 D6	8	10.5 - 15.5	3+PE+4	5
73000003	LS1 D6		10.5 - 15.5	3+PE+4	20
76124000	LS1 D6	8	7.5 - 15.5	3+PE+4	5
76124510	LS1 D6		7.5 - 15.5	3+PE+4	20
44420089	LS1 D6 with 2mm contact for 4mm² termination	8	14 - 17	3+PE+4	5
44420088	LS1 D6		14 - 17	3+PE+4	20
Type LS1 D6 short, cable connector, 6-pin, for female contacts					
73000028	LS1 D6	6	8.5 - 11	5+PE	5
73000030	LS1 D6		8.5 - 11	5+PE	20
73000029	LS1 D6	6	10.5 - 15.5	5+PE	5
73000031	LS1 D6		10.5 - 15.5	5+PE	20
76123100	LS1 D6	6	7.5 - 15.5	5+PE	5
76123610	LS1 D6		7.5 - 15.5	5+PE	20
Type LS1 D6 short, cable connecor, 8-pin, for female contacts					
73000024	LS1 D6	8	8.5 - 11	3+PE+4	5
73000026	LS1 D6		8.5 - 11	3+PE+4	20
73000025	LS1 D6	8	10.5 - 15.5	3+PE+4	5
73000027	LS1 D6		10.5 - 15.5	3+PE+4	20
76124100	LS1 D6	8	7.5 - 15.5	3+PE+4	5
76124610	LS1 D6		7.5 - 15.5	3+PE+4	20

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWER LS1 F6

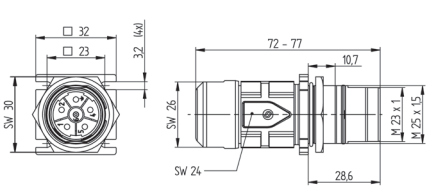
Circular connectors for servomotors and power supply





EPIC® POWER LS1 F7

Circular connectors for servomotors and power supply





Info

- For fast and safe wall mounting of a cable extension

Suitable contacts:

- EPIC® POWER LS1 Contacts male Page 228
- PU = 5 pieces: the contacts are included. 2 mm contact crimp range is 0.5 - 2.5 mm².
- PU = 20 pieces: the contacts must be ordered separately

Benefits

- High power at smallest installation space, Optimal solution for electric motors
- EMC-optimised design
- Safety use in field environment by high protection class

Application range

- Plant engineering
- Servo drives and servo assemblies

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
630 V (2 mm contacts)
250 V (1 mm contacts)

Rated impulse voltage
6 kV (2 mm contacts)
4 kV (1 mm contacts)

Rated current (A)
26A/3+PE+4, 25A/5+PE (2mm contacts)
7 A (1 mm contacts)

Degree of soiling
3

Contact resistance
< 4 mOhm

Contacts
Gold-plated brass

Number of contacts
3+PE+4(2mm/1mm)
5+PE(2mm)

Termination methods
Crimp termination: 0.5 - 4.0 mm² (2 mm contacts)
Crimp termination: 0.14 - 1.0 mm² (1 mm contacts)

Material
Housing: nickel-plated zinc die-casting, nickel-plated brass
Insert: PA,
Seal: FPM

Protection rating
IP68 (10h/1m)

Cycle of mechanical operation
500

VDE-tested
EPIC® POWER LS1 F6
Certified production control:
VDE-REG.no. B25

Temperature range
-25°C up to +125°C

Article number	Article description	Contacts included	Clamping range in mm	Fastening type	Pin configuration	Pieces / PU
Type LS1 F6, cable coupler, 6-pin, for male contacts						
73000012	LS1 F6	6	8.5 - 11		5+PE	5
73000014	LS1 F6		8.5 - 11		5+PE	20
73000013	LS1 F6	6	10.5 - 15.5		5+PE	5
73000015	LS1 F6		10.5 - 15.5		5+PE	20
76133000	LS1 F6	6	7.5 - 15.5		5+PE	5
76133510	LS1 F6		7.5 - 15.5		5+PE	20
44420095	LS1 F6 with 2mm contact for 4mm² termination	6	14 - 17		5+PE	5
44420094	LS1 F6		14 - 17		5+PE	20
Type LS1 F6, cable coupler, 8-pin, for male contacts						
73000008	LS1 F6	8	8.5 - 11		3+PE+4	5
73000010	LS1 F6		8.5 - 11		3+PE+4	20
73000009	LS1 F6	8	10.5 - 15.5		3+PE+4	5
73000011	LS1 F6		10.5 - 15.5		3+PE+4	20
76134000	LS1 F6	8	7.5 - 15.5		3+PE+4	5
76134510	LS1 F6		7.5 - 15.5		3+PE+4	20
44420093	LS1 F6 with 2mm contact for 4mm² termination	8	14 - 17		3+PE+4	5
44420092	LS1 F6		14 - 17		3+PE+4	20
Type LS1 F7, cable coupler wih mounting flange, 6-pin, for male contacts						
73000020	LS1 F7	6	8.5 - 11	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5+PE	5
73000021	LS1 F7	6	10.5 - 15.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5+PE	5
73000023	LS1 F7		10.5 - 15.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5+PE	20
76143000	LS1 F7	6	7.5 - 15.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	5+PE	5
Type LS1 F7, 8-pin, for male contacts						
73000016	LS1 F7	8	8.5 - 11	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	3+PE+4	5
73000017	LS1 F7	8	10.5 - 15.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	3+PE+4	5
76144000	LS1 F7	8	7.5 - 15.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	3+PE+4	5
76144510	LS1 F7		7.5 - 15.5	Ø 3.2 mm (4x), M25 x 1.5 (with nut)	3+PE+4	20

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWER LS1 Contacts male

Contacts, tools, accessories for circular connectors



Info

- All contacts are high quality gold plated
- Contacts are designed for wide crimping range, therefore low number of variants
- Only available as crimp version due to the high mechanical stress in servo applications

EPIC® POWER LS1 Contacts female

Contacts, tools, accessories for circular connectors



Info

- All contacts are high quality gold plated
- Contacts are designed for wide crimping range, therefore low number of variants
- Only available as crimp version due to the high mechanical stress in servo applications

Article number	Article designation	Version	For design	Pieces / PU
1mm contacts male				
74033001	LS1 A SCEM 1 mm AU 0.14 - 1.0 (10)	1 mm male 0.14 - 1.0 mm²	LSI A1, A3, G5	10
74033000	LS1 A SCEM 1 mm AU 0.14 - 1.0 (100)	1 mm male 0.14 - 1.0 mm²	LSI A1, A3, G5	100
74034001	LS1 F SCEM 1 mm AU 0.14 - 1.0 (10)	1 mm male 0.14 - 1.0 mm²	LS1 F6, F7	10
74034000	LS1 F SCEM 1 mm AU 0.14 - 1.0 (100)	1 mm male 0.14 - 1.0 mm²	LS1 F6, F7	100
2mm contacts male				
74033101	LS1 A SCEM 2 mm AU 0.5 - 2.5 (10)	2 mm male 0.5 - 2.5 mm²	LSI A1, A3, G5	10
74033100	LS1 A SCEM 2 mm AU 0.5 - 2.5 (100)	2 mm male 0.5 - 2.5 mm²	LSI A1, A3, G5	100
74034101	LS1 F SCEM 2 mm AU 0.5 - 2.5 (10)	2 mm male 0.5 - 2.5 mm²	LS1 F6, F7	10
74034100	LS1 F SCEM 2 mm AU 0.5 - 2.5 (100)	2 mm male 0.5 - 2.5 mm²	LS1 F6, F7	100
44420103	LS1 F SCEM 2 mm AU 4,0 (100)	2 mm male 4.0 mm²	LS1 F6, F7	100
1mm contacts female				
74020601	EPIC® M23 BCEMS 1 mm AU 0.14 - 1.0 (10)	1 mm female slot 0.14 - 1.0 mm²	per inserts M23 (not D-Sub), LS1 D6, A6	10
74200600	EPIC® M23 BCEMS 1 mm AU 0.14 - 1.0 (100)	1 mm female slot 0.14 - 1.0 mm²	per inserts M23 (not D-Sub), LS1 D6, A6	100
74034501	LS1 D BCEMS 1 mm AU 0.14 - 1.0 (10)	1 mm female hyperboloid 0.14 - 1.0 mm²	per inserts M23 (not D-Sub), LS1 D6, A6	10
74034500	LS1 D BCEMS 1 mm AU 0.14 - 1.0 (100)	1 mm female hyperboloid 0.14 - 1.0 mm²	per inserts M23 (not D-Sub), LS1 D6, A6	100
2mm contacts female				
44429371	LS1 D BCEMF 2 mm AU 0.5 - 2.5 (10)	2 mm female spring 0,5-2,5mm²	LS1 D6, A6	10
2mm contacts female				
44429371	LS1 D BCEMF 2 mm AU 0.5 - 2.5 (10)	2 mm female spring 0.5 - 2.5 mm²	LS1 D6, A6	10
44429370	LS1 D BCEMF 2 mm AU 0.5 - 2.5 (100)	2 mm female spring 0,5-2,5mm²	LS1 D6, A6	100
44420104	LS1 D BCEMD 2 mm AU 4,0 (10)	2 mm female hyperboloid 4 mm²	for type D6, A6	10
44420105	LS1 D BCEMD 2 mm AU 4,0 (100)	2 mm female hyperboloid 4 mm²	for type D6, A6	100
44429001	EPIC CIRCON BCBG 2MM 1.0-2.5 (3000) RE	2 mm female crimp	LS1 D6, A6	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWER LS1 Tools

Contacts, tools, accessories for circular connectors



Article number	Article	Version	Pieces / PU
Tools			
11148000	Crimping tool	In tool case, without locator	1
11148001	4-mandrel digital crimping tool	In tool case, without locator	1
11148002	Crimping machine	Pneumatic for 5 - 10 bar, locator not included	1
11148300	Locator for crimping tool LS1, M23		1
75017400	LS1 removal tool for 1 mm contacts	For housing type A, G	1
75017500	LS1 removal tool for 2 mm contacts	For housing type A, G	1
11161000	Removal tool		1
11182500	Removal tool		1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWER LS1 Accessories

Contacts, tools, accessories for circular connectors

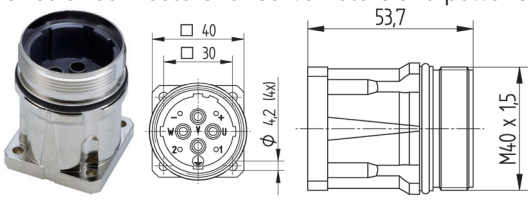


Article number	Article	Version	Pieces / PU
EPIC® POWER LS1 Accessories			
75007810	M23-LS1 A, B, F, G protective cap	Plastic cap for A1, B1, B2, F6, F7, G4, G5, G6	20
75007710	M23 / LS1 D protective cap	Plastic cap for D6, A6	20
75018010	M23 A, B protective cap, plastic cord with cable lug	Metal cap for A1, A3, B1, B2	20
Accessories			
75018310	LS1 A, G, F screw cap, plastic cord with loop	Metal cap for A1, A3, F6, F7, G4, G5	20
55001310	SILVYN Adapter LS1/M25x1,5	For integrated cable glands 8.5 - 11mm, 10.5 - 15.5mm	1

Photographs are not to scale and do not represent detailed images of the respective products.

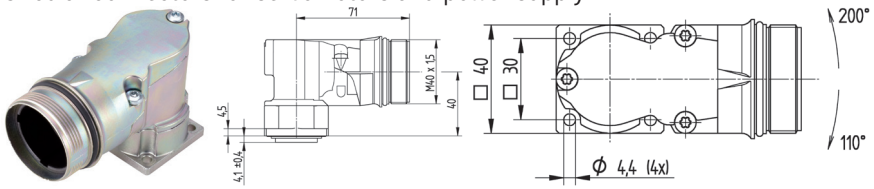
EPIC® POWER LS 1.5 A1

Circular connectors for servomotors and power supply



EPIC® POWER LS 1.5 A3

Circular connectors for servomotors and power supply

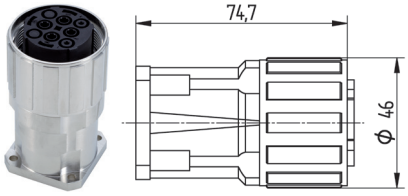


Info

- Rotateable with 310° cable outlet

EPIC® POWER LS 1.5 A6

Circular connectors for servomotors and power supply



Suitable contacts:

EPIC® POWER LS 1.5 A1

- EPIC® POWER LS 1.5 Contacts male
  Page 232

EPIC® POWER LS 1.5 A3

- EPIC® POWER LS 1.5 Contacts male
  Page 232

EPIC® POWER LS 1.5 A6

- EPIC® POWER LS 1.5 Contacts male
  Page 232
- The contacts have to be ordered separately

Benefits

- More power for servo motors
- Vibration-proof rugged design
- EMC version for cables with large cross-sections

Application range

- Plant engineering
- Servo drives and servo assemblies

Suitable tools

- EPIC® POWER LS 1.5 Tools
  refer to page 232

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
630 V (3.6 mm contacts)
250 V (2 mm contacts)

Rated impulse voltage
6 kV (3.6 mm contacts)
4 kV (2 mm contacts)

Rated current (A)
70 A (3.6-mm contacts) at 25 °C
30 A (2-mm contacts) at 25 °C

Degree of soiling
3

Contacts
Gold-plated brass

Number of contacts
3+PE+2(3.6mm/2mm)
3+PE+4(3.6mm/2mm)

Termination methods
Crimp termination: 0.75 - 10 mm²
(3.6 mm contacts)
Crimp termination: 0.14 - 4.0 mm²
(2 mm contacts)

Material
Housing: nickel-plated zinc die-casting, nickel-plated brass
Insert: PA,
Seal: FPM

Protection rating
IP 67

Cycle of mechanical operation
50

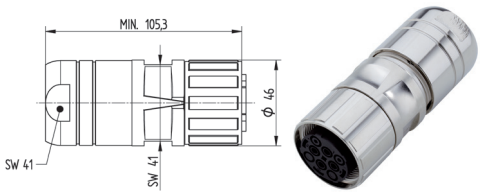
Temperature range
-20 °C ... +125 °C

Article number	Article description	Fastening type	Pin configuration	Pieces / PU
Type LS 1.5 A1 for male contacts				
44429308	EPIC® POWER LS 1.5 A1	Ø 4.2 mm (4x)	3+PE+2	1
44429309	EPIC® POWER LS 1.5 A1	Ø 4.2 mm (4x)	3+PE+4	1
Type LS 1.5 A3 for male contacts				
44429306	EPIC® POWER LS 1.5 A3	Ø 4.2 mm (4x)	3+PE+2	1
44429307	EPIC® POWER LS 1.5 A3	Ø 4.2 mm (4x)	3+PE+4	1
Type LS 1.5 A6 for female contacts				
44429316	EPIC® POWER LS 1.5 A6	Ø 4.2 mm (4x)	3+PE+2	1
44429317	EPIC® POWER LS 1.5 A6	Ø 4.2 mm (4x)	3+PE+4	1

Photographs are not to scale and do not represent detailed images of the respective products.

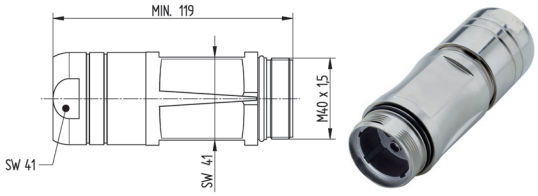
EPIC® POWER LS1.5 D6

Circular connectors for servomotors and power supply



EPIC® POWER LS1.5 F6

Circular connectors for servomotors and power supply



Info

- EMC protection

Suitable contacts:

EPIC® POWER LS1.5 D6

- EPIC® POWER LS1.5 Contacts female Page 232

EPIC® POWER LS1.5 F6

- EPIC® POWER LS1.5 Contacts female Page 232
- The contacts have to be ordered separately

Benefits

- More power for servo motors
- Vibration-proof rugged design
- EMC version for cables with large cross-sections

Application range

- Plant engineering
- Servo drives and servo assemblies

Suitable tools

- EPIC® POWER LS1.5 Tools refer to page 232

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
630 V (3.6 mm contacts)
250 V (2 mm contacts)

Rated impulse voltage
6 kV (3.6 mm contacts)
4 kV (2 mm contacts)

Rated current (A)
70 A (3.6-mm contacts) at 25 °C
30 A (2-mm contacts) at 25 °C

Degree of soiling
3

Contacts
Gold-plated brass

Number of contacts
3+PE+2(3.6mm/2mm)
3+PE+4(3.6mm/2mm)

Termination methods
Crimp termination: 0.75 - 10 mm² (3.6 mm contacts)
Crimp termination: 0.14 - 4.0 mm² (2 mm contacts)

Material
Housing: nickel-plated zinc die-casting, nickel-plated brass
Insert: PA,
Seal: FPM

Protection rating
IP 67

Cycle of mechanical operation
50

Temperature range
-20 °C ... +125 °C

Article number	Article description	Clamping range in mm	Pin configuration	Pieces / PU
Type LS1.5 D6 for female contacts				
44429310	EPIC® POWER LS1.5 D6	9 - 14	3+PE+2	1
44429311	EPIC® POWER LS1.5 D6	14 - 20.5	3+PE+2	1
44429312	EPIC® POWER LS1.5 D6	20.5 - 26.5	3+PE+2	1
44429313	EPIC® POWER LS1.5 D6	9 - 14	3+PE+4	1
44429314	EPIC® POWER LS1.5 D6	14 - 20.5	3+PE+4	1
44429315	EPIC® POWER LS1.5 D6	20.5 - 26.5	3+PE+4	1
Type LS1.5 F6 for male contacts				
44429300	EPIC® POWER LS1.5 F6	9 - 14	3+PE+2	1
44429301	EPIC® POWER LS1.5 F6	14 - 20.5	3+PE+2	1
44429302	EPIC® POWER LS1.5 F6	20.5 - 26.5	3+PE+2	1
44429303	EPIC® POWER LS1.5 F6	9 - 14	3+PE+4	1
44429304	EPIC® POWER LS1.5 F6	14 - 20.5	3+PE+4	1
44429305	EPIC® POWER LS1.5 F6	20.5 - 26.5	3+PE+4	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWER LS1.5 Contacts male

Contacts, tools, accessories for circular connectors



Info

- All contacts are high quality gold plated
- Only available as crimp version due to the high mechanical stress in servo applications

EPIC® POWER LS1.5 Contacts female

Contacts, tools, accessories for circular connectors



Info

- All contacts are high quality gold plated
- Slotted contacts with external pressure spring

EPIC® POWER LS1.5 Tools

Contacts, tools, accessories for circular connectors



Info

- Universal 4-indent crimping tool
- 2 different Crimping tool for contacts up to 6mm² and from 6mm²

Technical data

ETIM

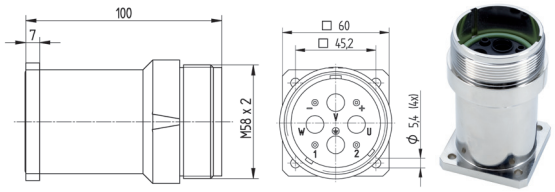
Classification
EPIC® POWER LS1.5 Contacts male
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description: Contact for industrial connectors
EPIC® POWER LS1.5 Contacts female
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description: Contact for industrial connectors
EPIC® POWER LS1.5 Tools
ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article designation	Description	Version	For design	Pieces / PU
3.6 mm male contacts					
44429334	LS1.5 A SCEM 3,6MM AU 0,75-1,5		3.6 mm male 0.75 - 1.5	for type A1, A3	10
44429335	LS1.5 A SCEM 3,6MM AU 1,0-2,5		3.6 mm male 1.0 - 2.5 mm²	for type A1, A3	10
44429336	LS1.5 A SCEM 3,6MM AU 1,5-4,0		3.6 mm male 1.5 - 4.0 mm²	for type A1, A3	10
44429337	LS1.5 A SCEM 3,6MM AU 4,0-6,0		3.6 mm male 4.0 - 6.0 mm²	for type A1, A3	10
44429338	LS1.5 A SCEM 3,6MM AU 6,0-10,0		3.6 mm male 6.0 - 10.0 mm²	for type A1, A3	10
44429326	LS1.5 F SCEM 3,6MM AU 1,0-2,5		3.6 mm male 1.0 - 2.5 mm²	for type F6	10
44429327	LS1.5 F SCEM 3,6MM AU 2,5-4,0		3.6 mm male 2.5 - 4.0 mm²	for type F6	10
44429328	LS1.5 F SCEM 3,6MM AU 4,0-6,0		3.6 mm male 4.0 - 6.0 mm²	for type F6	10
44429329	LS1.5 F SCEM 3,6MM AU 6,0-10,0		3.6 mm male 6.0 - 10.0 mm²	for type F6	10
2 mm male contacts					
44429339	LS1.5 A SCEM 2MM AU 0,14-0,25		2 mm male 0.14 - 0.25 mm²	for type A1, A3	10
44429340	LS1.5 A SCEM 2MM AU 0,25-1,0		2 mm male 0.25 - 1.0 mm²	for type A1, A3	10
44429341	LS1.5 A SCEM 2MM AU 0,75-1,5		2 mm male 0.75 - 1.5 mm²	for type A1, A3	10
44429342	LS1.5 A SCEM 2MM AU 1,0-2,5		2 mm male 1.0 - 2.5 mm²	for type A1, A3	10
44429343	LS1.5 A SCEM 2MM AU 4,0		2 mm male 2.5-4.0 mm²	for type A1, A3	10
44429330	LS1.5 F SCEM 2MM AU 0,25-1,0		2 mm male 0.25 - 1.0 mm²	for type F6	10
44429331	LS1.5 F SCEM 2MM AU 0,75-1,5		2 mm male 0.75 - 1.5 mm²	for type F6	10
44429332	LS1.5 F SCEM 2MM AU 1,0-2,5		2 mm male 1.0 - 2.5 mm²	for type F6	10
44429333	LS1.5 F SCEM 2MM AU 2,5-4,0		2 mm male 2.5-4.0 mm²	for type F6	10
3.6 mm female contacts					
44429318	LS1.5 D BCEM 3,6MM AU 1,0-2,5		3.6 mm female 1.0 - 2.5 mm²	for type D6, A6	10
44429319	LS1.5 D BCEM 3,6MM AU 2,5-4,0		3.6 mm female 2.5 - 4.0 mm²	for type D6, A6	10
44429320	LS1.5 D BCEM 3,6MM AU 4,0-6,0		3.6 mm female 4.0 - 6.0 mm²	for type D6, A6	10
44429321	LS1.5 D BCEM 3,6MM AU 6,0-10,0		3.6 mm female 6.0 - 10.0 mm²	for type D6, A6	10
2 mm female contacts					
44429322	LS1.5 D BCEM 2MM AU 0,25-1,0		2 mm female 0.25 - 1.0 mm²	for type D6, A6	10
44429323	LS1.5 D BCEM 2MM AU 0,75-1,5		2 mm female 0.75 - 1.5 mm²	for type D6, A6	10
44429324	LS1.5 D BCEM 2MM AU 1,0-2,5		2 mm female 1.0 - 2.5 mm²	for type D6, A6	10
44429325	LS1.5 D BCEM 2MM AU 4,0		2 mm female 4.0 mm²	for type D6, A6	10
Crimping tool					
44429367	LS1.5 CRIMPING TOOL 0.08 - 6.0	4-mandrel digital crimping tool including locator	0.14 - 6.0 mm²	for LS1.5, LS3	1
44429368	LS1.5 CRIMPING TOOL 6.0 - 10.0	4-mandrel digital crimping tool including locator	6.0 - 10.0 mm²	for LS1.5	1

Photographs are not to scale and do not represent detailed images of the respective products.

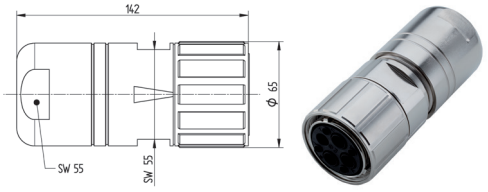
EPIC® POWER LS3 A1

Circular connectors for servomotors and power supply



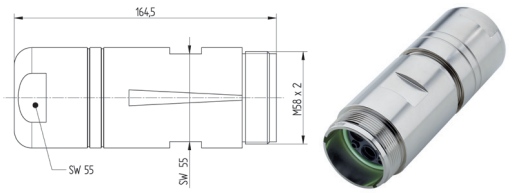
EPIC® POWER LS3 D6

Circular connectors for servomotors and power supply



EPIC® POWER LS3 F6

Circular connectors for servomotors and power supply



Info

- Robust power supply connector

Suitable contacts:

EPIC® POWER LS3 A1

- EPIC® POWER LS3 male contacts Page 234

EPIC® POWER LS3 D6

- EPIC® POWER LS3 male contacts Page 234

EPIC® POWER LS3 F6

- EPIC® POWER LS3 male contacts Page 234
- The contacts have to be ordered separately

Benefits

- More power for servo motors
- Robust against mechanical impacts
- EMC protection

Application range

- Plant engineering
- Servo drives and servo assemblies

Suitable tools

- EPIC® POWER LS3 Tools refer to page 234

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
630 V (10 mm contacts)
250 V (1.6 mm contacts)

Rated impulse voltage
6 KV (10 mm contacts)
4 kV (1.6 mm contacts)

Rated current (A)
150 A (10-mm contacts) at 25 °C
12 A (1.6-mm contacts) at 25 °C

Degree of soiling
3

Contacts
Silver-plated brass
Gold-plated brass

Number of contacts
3+PE+2(10mm/1.6mm)
3+PE+4(10mm/1.6mm)

Termination methods
Crimp termination 10 - 50 mm²
(10 mm contacts)
Crimp termination 0.75 - 1.5 mm²
(1.6 mm contacts)

Material
Housing: anodised aluminium
Insert: PA
Seal: FPM

Protection rating
IP 67

Cycle of mechanical operation
50

Temperature range
-20 °C ... +120 °C

Article number	Article description	Clamping range in mm	Fastening type	Pin configuration	Pieces / PU
Type LS3 A1 for male contacts					
44429352	LS3 A1		Ø 4.2 mm (4x)	3+PE+2	1
44429353	LS3 A1		Ø 4.2 mm (4x)	3+PE+4	1
Type LS3 D6 for female contacts					
44429344	LS3 D6	17 - 25		3+PE+2	1
44429345	LS3 D6	25 - 36		3+PE+2	1
44429346	LS3 D6	17 - 25		3+PE+4	1
44429347	LS3 D6	25 - 36		3+PE+4	1
Type LS3 F6 for male contacts					
44429348	LS3 F6	17 - 25		3+PE+2	1
44429349	LS3 F6	25 - 36		3+PE+2	1
44429350	LS3 F6	17 - 25		3+PE+4	1
44429351	LS3 F6	25 - 36		3+PE+4	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWER LS3 male contacts

Contacts, tools, accessories for circular connectors





Info

- Only available as crimp version due to the high mechanical stress in servo applications
- Power contacts silver plated, signal contacts gold plated

EPIC® POWER LS3 female contacts

Contacts, tools, accessories for circular connectors





Info

- Only available as crimp version due to the high mechanical stress in servo applications
- Power contacts silver plated, signal contacts gold plated

EPIC® POWER LS3 Tools

Contacts, tools, accessories for circular connectors



Info

- Complete tool set for all cable cross-sections
- Individual components available on request
- For the signal contacts crimping tool 44429339 is used

Technical data

Classification
EPIC® POWER LS3 male contacts
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors
EPIC® POWER LS3 female contacts
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors
EPIC® POWER LS3 Tools
ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article designation	Description	Version	For design	Pieces / PU
EPIC® POWER LS3 male contacts					
44429360	LS3 A, F SCEM 10MM AG 10		10 mm male 10 mm²	for type A1, F6	4
44429361	LS3 A, F SCEM 10MM AG 16		10 mm male 16 mm²	for type A1, F6	4
44429362	LS3 A, F SCEM 10MM AG 25		10 mm male 25 mm²	for type A1, F6	4
44429363	LS3 A, F SCEM 10MM AG 35		10 mm male 35 mm²	for type A1, F6	4
44429364	LS3 A, F SCEM 10MM AG 50		10 mm male 50 mm²	for type A1, F6	4
44429365	LS3 A, F SCEM 1.6MM AU 0.75-1.5		1.6 mm male 0.75 - 1.5 mm²	for type A1, F6	4
EPIC® POWER LS3 female contacts					
44429354	LS3 D BCEM 10MM AG 10		10 mm female 10 mm²	for type D6	4
44429355	LS3 D BCEM 10MM AG 16		10 mm female 16 mm²	for type D6	4
44429356	LS3 D BCEM 10MM AG 25		10 mm female 25 mm²	for type D6	4
44429357	LS3 D BCEM 10MM AG 35		10 mm female 50 mm²	for type D6	4
44429358	LS3 D BCEM 10MM AG 50		10 mm female 50 mm²	for type D6	4
44429359	LS3 D BCEM 1.6MM AU 0.75-1.5		1.6 mm female 0.75 - 1.5 mm²	for type D6	4
Crimping tool					
44429366	LS3 crimping tool 10.0 - 50.0	Electro-hydraulic crimping tool includes charging device, accumulator and crimping dies for 10 - 50 mm²	10.0 - 50.0 mm²	for LS3	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 Kits 8+1pol.

Benefits

- Uncomplicated ordering
- No misplaced orders
- Pre-packed kits with compatible components

Technical data

Rated voltage (V)
150 V (2 mm contacts)
150 V (1 mm contacts)

Rated current (A)
20 A (2 mm contact)
7 A (1 mm contacts)

Number of contacts
8 + 1

Info

- Complete connectors - easy to order

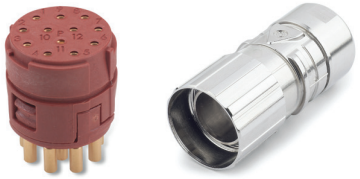
EPIC KIT M23 A3 8+1-POL FEMALE

- EPIC® M23 8+1-pin solder-termination male insert
- Max. cross-section 1.0 mm² (2 mm Ø contacts max. 2.5 mm²)
- P-Part, rotation to the left, anti-clockwise
- D6 cable connector, clamping range 7.0 - 13.5 mm

Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 8+1pol.	
75009698	1

Article numbers for single components

- P-Part 73002740
- M23 D6 44420037



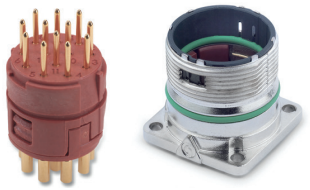
EPIC KIT M23 A3 8+1-POL MALE

- EPIC® M23 8+1-pin solder-termination male insert
- Max. cross-section 1.0 mm² (2 mm Ø contacts max. 2.5 mm²)
- E-Part, rotation to the right, clockwise
- A1 panel-mount box, front wall mounting

Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 8+1pol.	
75009699	1

Article numbers for single components

- E-Part 73002744
- M23 A1 72004000



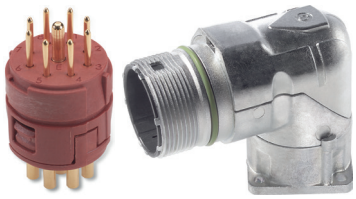
EPIC KIT M23 A3 8+1-POL MALE

- EPIC® M23 8+1-pin solder-termination male insert
- Max. cross-section 1.0 mm² (2 mm Ø contacts max. 2.5 mm²)
- E-Part, rotation to the right, clockwise
- A3 panel-mount box, angled and rotatable, front wall mounting

Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 8+1pol.	
25009700	1

Article numbers for single components

- E-Part 73002744
- M23 A3 24420055



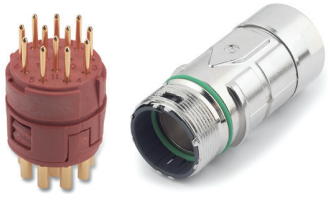
EPIC KIT M23 A3 8+1-POL MALE

- EPIC® M23 8+1-pin solder-termination male insert
- Max. cross-section 1.0 mm² (2 mm Ø contacts max. 2.5 mm²)
- E-Part, rotation to the right, clockwise
- F6 cable coupler, clamping range 7.0 - 13.5 mm

Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 8+1pol.	
75009701	1

Article numbers for single components

- E-Part 73002744
- M23 F6 44420040



EPIC® SIGNAL M23 Kits 12pol.

Benefits

- Uncomplicated ordering
- No misplaced orders
- Pre-packed kits with compatible components

Technical data

Rated voltage (V)
100 V (1 mm contacts)

Rated current (A)
7 A (1 mm contacts)

Number of contacts
13

Info

- Complete connectors - easy to order



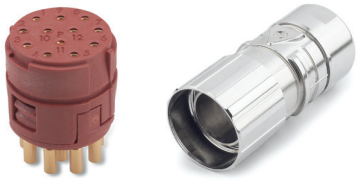
Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 12pole	
75009710	1

Article numbers for single components

- E-Part 73002722
- M23 D6 44420037

EPIC® KIT M23 D6 12-POL FEMALE

- EPIC® M23 12-pin solder termination female insert
- Max. cross-section 1.0 mm²
- E-Part, rotation to the right, clockwise
- D6 cable connector, clamping range 7.0 - 13.5 mm



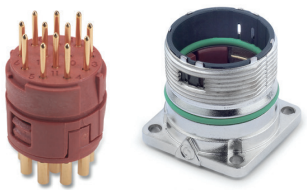
Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 12pole	
75009702	1

Article numbers for single components

- P-part 73002716
- M23 D6 44420037

EPIC® KIT M23 D6 12-POL FEMALE

- EPIC® M23 12-pin solder termination female insert
- Max. cross-section 1.0 mm²
- P-part, rotation to the left, anticlockwise
- D6 cable connector, clamping range 7.0 - 13.5 mm



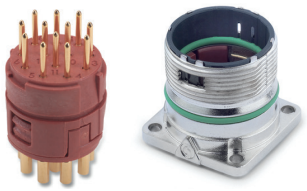
Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 12pole	
75009703	1

Article numbers for single components

- E-Part 73002720
- M23 A1 72004000

EPIC® KIT M23 A1 12-POL MALE

- EPIC® M23 12-pin solder-termination male insert
- Max. cross-section 1.0 mm²
- E-Part, rotation to the right, clockwise
- A1 panel-mount box, front wall mounting



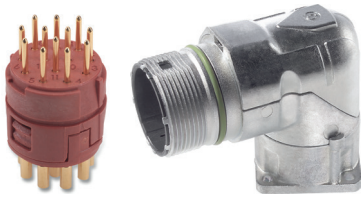
Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 12pole	
75009711	1

Article numbers for single components

- P-part 73002714
- M23 A1 72004000

EPIC® KIT M23 A1 12-POL MALE

- EPIC® M23 12-pin solder-termination male insert
- Max. cross-section 1.0 mm²
- P-part, rotation to the left, anticlockwise
- A1 panel-mount box, front wall mounting



Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 12pole	
25009704	1

Article numbers for single components

- E-Part 73002720
- M23 A3 24420055

EPIC® KIT M23 A3 12-POL MALE

- EPIC® M23 12-pin solder-termination male insert
- Max. cross-section 1.0 mm²
- E-Part, rotation to the right, clockwise
- A3 panel-mount box, angled and rotatable, front wall mounting

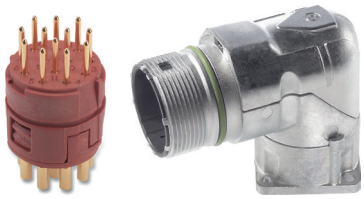
EPIC® KIT M23 A3 12-POL MALE

- EPIC® M23 12-pin solder-termination male insert
- Max. cross-section 1.0 mm²
- P-part, rotation to the left, anticlockwise
- A3 panel-mount box, angled and rotatable, front wall mounting

Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 12pole	
75009712	1

Article numbers for single components

- P-part 73002714
- M23 A3 24420055



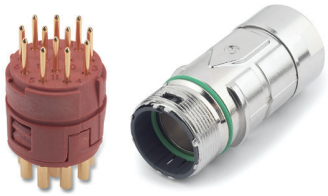
EPIC® KIT M23 F6 12-POL MALE

- EPIC® M23 12-pin solder-termination male insert
- Max. cross-section 1.0 mm²
- E-Part, rotation to the right, clockwise
- F6 cable coupler, clamping range 7.0 - 13.5 mm

Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 12pole	
75009705	1

Article numbers for single components

- E-Part 73002720
- M23 F6 44420040



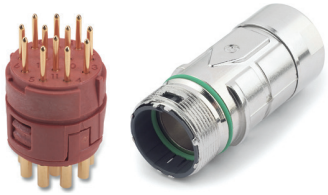
EPIC® KIT M23 F6 12-POL MALE

- EPIC® M23 12-pin solder-termination male insert
- Max. cross-section 1.0 mm²
- P-part, rotation to the left, anticlockwise
- F6 cable coupler, clamping range 7.0 - 13.5 mm

Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 12pole	
75009713	1

Article numbers for single components

- P-part 73002714
- M23 F6 44420040



The inserts are suitable for both male and female contacts. For a complete connection, you will need one P-component and one E-component. P-component = left turning (anticlockwise), E-component = right turning (clockwise)
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SIGNAL M23 Kits 17pol.

Benefits

- Uncomplicated ordering
- No misplaced orders
- Pre-packed kits with compatible components

Technical data

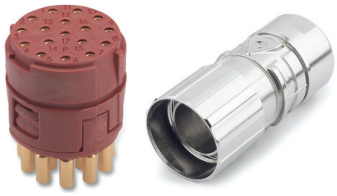
Rated voltage (V)
50 V (1 mm contacts)

Rated current (A)
7 A (1 mm contacts)

Number of contacts
17

Info

- Complete connectors - easy to order



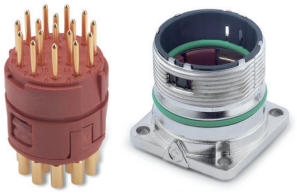
Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 17pol.	
75009706	1

Article numbers for single components

- P-part 73018000
- M23 D6 44420037

EPIC KIT M23 D6 17-POL FEMALE

- EPIC® M23 17-pin solder termination female insert
- Max. cross-section 1.0 mm²
- P-part, rotation to the left, anticlockwise
- D6 cable connector, clamping range 7.0 - 13.5 mm



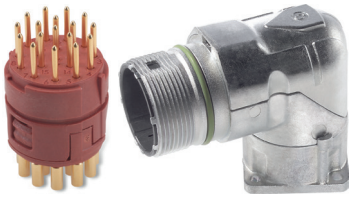
Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 17pol.	
75009707	1

Article numbers for single components

- E-Part 73028500
- M23 A1 72004000

EPIC KIT M23 A1 17-POL MALE

- EPIC® M23 17-pin solder-termination male insert
- Max. cross-section 1.0 mm²
- E-Part, rotation to the right, clockwise
- A1 panel-mount box, front wall mounting



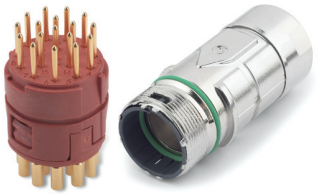
Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 17pol.	
25009708	1

Article numbers for single components

- E-Part 73028500
- M23 A3 24420055

EPIC KIT M23 A3 17-POL MALE

- EPIC® M23 17-pin solder-termination male insert
- Max. cross-section 1.0 mm²
- E-Part, rotation to the right, clockwise
- A3 panel-mount box, angled and rotatable, front wall mounting



Article number	Pieces / PU
EPIC® SIGNAL M23 Kits 17pol.	
75009709	1

Article numbers for single components

- E-Part 73028500
- M23 F6 44420040

EPIC KIT M23 F6 17-POL MALE

- EPIC® M23 17-pin solder-termination male insert
- Max. cross-section 1.0 mm²
- E-Part, rotation to the right, clockwise
- F6 cable coupler, clamping range 7.0 - 13.5 mm

EPIC® POWER LS1 Kits 6pol.

Benefits

- Pre-packed kits with compatible components
- Uncomplicated ordering
- No misplaced orders

Technical data

Rated voltage (V)
630 V (2 mm contacts)

Rated current (A)
26A/3+PE+4, 25A/5+PE (2mm contacts)

Number of contacts
5 + PE

Info

- Complete connectors - easy to order

EPIC KIT LS1 D6 6-POL FEMALE

- Pin configuration 5+PE, for female contacts 2 mm Ø
- Machined crimp contacts 0.5 - 2.5 mm² are included
- D6 cable connector, clamping range 7.5 - 15.5 mm

Article number	Pieces / PU
EPIC® LS1 Kits 6pole	
75009690	1

Article numbers for single components

- LS1 D6 76123000



EPIC KIT LS1 A1 6-POL MALE

- Pin configuration 5+PE, for male contacts 2 mm Ø
- Machined crimp contacts 0.5 - 2.5 mm² are included
- A1 panel-mount box, front wall mounting

Article number	Pieces / PU
EPIC® LS1 Kits 6pole	
75009691	1

Article numbers for single components

- LS1 A1 76003000



EPIC KIT LS1 A3 6-POL MALE

- Pin configuration 5+PE, for male contacts 2 mm Ø
- Machined crimp contacts 0.5 - 2.5 mm² are included
- A3 panel-mount box, angled and rotatable, front wall mounting

Article number	Pieces / PU
EPIC® LS1 Kits 6pole	
25009692	1

Article numbers for single components

- LS1 A3 24420058



EPIC KIT LS1 F6 6-POL MALE

- Pin configuration 5+PE, for male contacts 2 mm Ø
- Machined crimp contacts 0.5 - 2.5 mm² are included
- F6 cable coupler, clamping range 7.5 - 15.5 mm

Article number	Pieces / PU
EPIC® LS1 Kits 6pole	
75009693	1

Article numbers for single components

- LS1 F6 76133000



EPIC® POWER LS1 Kits 8pol.

Benefits

- Uncomplicated ordering
- No misplaced orders
- Pre-packed kits with compatible components

Technical data

Rated voltage (V)
630 V (2 mm contacts)
250 V (1 mm contacts)

Rated current (A)
26A/3+PE+4, 25A/5+PE (2mm contacts)
7 A (1 mm contacts)

Number of contacts
3 + PE + 4

Info

- Complete connectors - easy to order



Article number	Pieces / PU
EPIC® LS1 Kits 8pole	
75009694	1

Article numbers for single components

- LS1 D6 76124000

EPIC KIT LS1 D6 8-POL FEMALE

- Pin configuration 3+PE+4, for female contacts 2 mm Ø + 1 mm Ø
- Machined crimp contacts 0.5 - 2.5 mm² and 0.14 - 1.0 mm² are included
- D6 cable connector, clamping range 7.5 - 15.5 mm



Article number	Pieces / PU
EPIC® LS1 Kits 8pole	
75009695	1

Article numbers for single components

- LS1 A1 76004000

EPIC KIT LS1 A1 8-POL MALE

- Pin configuration 3+PE+4, for male contacts 2 mm Ø + 1 mm Ø
- Machined crimp contacts 0.5 - 2.5 mm² and 0.14 - 1.0 mm² are included
- A1 panel-mount box, front wall mounting



Article number	Pieces / PU
EPIC® LS1 Kits 8pole	
25009696	1

Article numbers for single components

- LS1 A3 24420056

EPIC KIT LS1 A3 8-POL MALE

- Pin configuration 3+PE+4, for male contacts 2 mm Ø + 1 mm Ø
- Machined crimp contacts 0.5 - 2.5 mm² and 0.14 - 1.0 mm² are included
- A3 panel-mount box, angled and rotatable, front wall mounting



Article number	Pieces / PU
EPIC® LS1 Kits 8pole	
75009697	1

Article numbers for single components

- LS1 F6 76134000

EPIC KIT LS1 F6 8-POL MALE

- Pin configuration 3+PE+4, for male contacts 2 mm Ø + 1 mm Ø
- Machined crimp contacts 0.5 - 2.5 mm² and 0.14 - 1.0 mm² are included
- F6 cable coupler, clamping range 7.5 - 15.5 mm

EPIC® POWERLOCK A1 S

Single-pin circular connector for mobile power distribution, electro motors and generators



EPIC® POWERLOCK A6 S

Single-pin circular connector for mobile power distribution, electro motors and generators



Info

- Connector for unscreened single-core power cables

Suitable contacts:

- EPIC® POWERLOCK Screw contacts Page 244
- Housing without contact, order contact separately

Benefits

- Resistant to mechanical influences in harsh environmental conditions
- Connectors in harmonised colours according to European standards
- Every colour has a different coding to prevent incorrect plugging

Application range

- For renewable energy plants e.g. wind power
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology

Product features

- Panel-mount base, straight entry, flat gasket included
- Contact fixing by contact retention pin, each pin can only be used once
- Housing without contact, order contact separately

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Rated voltage (V)
1000 V

Rated impulse voltage
8 kV

Rated current (A)
Screw max. 400 A

Degree of soiling
3

Contacts
Screw termination: silver-plated brass

Number of contacts
1

Termination methods
Screw termination: 50 - 120 mm²

Material
Housing: PBT
Contact retention pin: PA

Protection rating
IP 67 (maximum, dependant on cable gland used)
IP 20 (unmated)

Cycle of mechanical operation
500

VDE-tested
VDE Reg. No. D42

Temperature range
-25 °C up to +125 °C

Article number	Article description	Fastening type	Pin configuration	Pieces / PU
Type POWERLOCK A1, panel-mount box, drain for contact with M12 threaded post				
44420272	POWERLOCK A1 PE/GN	Ø 5.5 mm (4x)	PE, Green	1
44420273	POWERLOCK A1 N/BL	Ø 5.5 mm (4x)	N, Blue	1
44420274	POWERLOCK A1 L1/BN	Ø 5.5 mm (4x)	L1, Brown	1
44420275	POWERLOCK A1 L2/BK	Ø 5.5 mm (4x)	L2, Black	1
44420276	POWERLOCK A1 L3/GY	Ø 5.5 mm (4x)	L3, Grey	1
L1/red for direct current applications in conjunction with L2/black				
44420320	POWERLOCK A1 L1/RD	Ø 5.5 mm (4x)	L1, Red	1
Type POWERLOCK A6, panel-mount box, source for contact with M12 threaded post				
44420277	POWERLOCK A6 PE/GN	Ø 5.5 mm (4x)	PE, Green	1
44420278	POWERLOCK A6 N/BL	Ø 5.5 mm (4x)	N, Blue	1
44420279	POWERLOCK A6 L1/BN	Ø 5.5 mm (4x)	L1, Brown	1
44420280	POWERLOCK A6 L2/BK	Ø 5.5 mm (4x)	L2, Black	1
44420281	POWERLOCK A6 L3/GY	Ø 5.5 mm (4x)	L3, Grey	1
L1/red for direct current applications in conjunction with L2/black				
44420321	POWERLOCK A6 L1/RD	Ø 5.5 mm (4x)	L1, Red	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWERLOCK D6 S

Single-pin circular connector for mobile power distribution, electro motors and generators



EPIC® POWERLOCK F6 S

Single-pin circular connector for mobile power distribution, electro motors and generators



Info

- Connector for unscreened single-core power cables

Suitable contacts:

- EPIC® POWERLOCK Screw contacts Page 244
- Housing without contact, order contact separately

Benefits

- Resistant to mechanical influences in harsh environmental conditions
- Connectors in harmonised colours according to European standards
- Every colour has a different coding to prevent incorrect plugging

Application range

- For renewable energy plants e.g. wind power
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology

Product features

- Straight connector with M40 thread
- Order SKINTOP® ST-M 40 or STR-M 40 separately
- Contact fixing by contact retention pin, each pin can only be used once
- Housing without contact, order contact separately

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Rated voltage (V)
1000 V

Rated impulse voltage
8 kV

Rated current (A)
Screw max. 400 A

Degree of soiling
3

Contacts
Screw termination: silver-plated brass

Number of contacts
1

Termination methods
Screw termination: 50 - 120 mm²

Material
Housing: PBT
Contact retention pin: PA

Protection rating
IP 67 (maximum, dependant on cable gland used)
IP 20 (unmated)

Cycle of mechanical operation
500

VDE-tested
VDE Reg. No. D42

Temperature range
-25°C up to +125°C

Article number	Article description	M	Pin configuration	Pieces / PU
Type POWERLOCK D6, cable connector, source for screw contact				
44420267	POWERLOCK D6 PE/GN	40	PE, Green	1
44420268	POWERLOCK D6 N/BL	40	N, Blue	1
44420269	POWERLOCK D6 L1/BN	40	L1, Brown	1
44420270	POWERLOCK D6 L2/BK	40	L2, Black	1
44420271	POWERLOCK D6 L3/GY	40	L3, Grey	1
L1/red for direct current applications in conjunction with L2/black				
44420305	POWERLOCK D6 L1/RD	40	L1, Red	1
Type POWERLOCK F6, coupling connector, drain for screw contact				
44420262	POWERLOCK F6 PE/GN	40	PE, Green	1
44420263	POWERLOCK F6 N/BL	40	N, Blue	1
44420264	POWERLOCK F6 L1/BN	40	L1, Brown	1
44420265	POWERLOCK F6 L2/BK	40	L2, Black	1
44420266	POWERLOCK F6 L3/GY	40	L3, Grey	1
L1/red for direct current applications in conjunction with L2/black				
44420301	POWERLOCK F6 L1/RD	40	L1, Red	1

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® Standard

POWERLOCK BOX S*

Circular connectors for servomotors and power supply



Info

- Can be locked to prevent unauthorised disconnection

Benefits

- Guarantees the correct sequence is followed when connecting and disconnecting a set of connectors (PE, N, L1, L2, L3)
- Every colour has a different coding to prevent incorrect plugging
- IP 20 finger-protected
- Integrated micro-switch that can be connected to circuit breaker or alarm circuit

Application range

- Alternative energy installations
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology

Housings

- Sealed security lid is optional

Product features

- Included: Contacts with M12 threaded post
- Cable connector for microswitch optional
- 19” housing with height unit 2HE/2U

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
1000 V

Rated current (A)
Screw max. 400 A

Degree of soiling
3

Contacts
Screw termination: silver-plated brass

Number of contacts
4 + PE

Termination methods
Screw termination: 50 - 120 mm²

Protection rating
IP 67

Cycle of mechanical operation
500

Temperature range
-20 °C to +85 °C

Article number	Article description	Fastening type	Pin configuration	Pieces / PU
POWERLOCK BOX A1, panel-mount base, drain with M12 threaded post				
44420282	POWERLOCK BOX A1 S	Ø 6.5 mm (4x)	4+PE	1
POWERLOCK BOX A1, panel-mount base with cover, drain with M12 threaded post				
44420283	POWERLOCK BOX A1 SD	Ø 6.5 mm (4x)	4+PE	1
POWERLOCK BOX A6, panel-mount base, source with M12 threaded post				
44420286	POWERLOCK BOX A6 S	Ø 6.5 mm (4x)	4+PE	1
POWERLOCK BOX A6, panel-mount base with cover, source with M12 threaded post				
44420287	POWERLOCK BOX A6 SD	Ø 6.5 mm (4x)	4+PE	1

* Trade product, no Lapp product
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWERLOCK Screw contacts

Contacts, tools, accessories for circular connectors



Info

- Screw max. 400 A
- Do not plug with crimp-type (660 A)

Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Article number	Article designation	Version	For design	PU
Drain - contact with M12 threaded post for type POWERLOCK A1 S, contact retaining pin included				
44420241	POWERLOCK SP M12	Contact Drain, M12 Thread for cable lugs	for type A1	1
Source - contact with M12 threaded post for type POWERLOCK A6 S, contact retaining pin included				
44420242	POWERLOCK QP M12	Lamella contact source, M12 thread for cable lug	for type A6	1
Source - screw contact for type POWERLOCK D6 S, contact retaining pin included				
44420237	POWERLOCK QS 120	120 mm²	for type D6	1
Drain - screw contact for type POWERLOCK F6 S, contact retaining pin included				
44420232	POWERLOCK SS 120	120 mm²	for type F6	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWERLOCK Tools

Contacts, tools, accessories for circular connectors



Technical data

Classification
ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article description	Version	PU
Tools			
44420243	POWERLOCK DISCONNECTION TOOL	for mated connection	1
44420337	Crimping tool		1
44420330	Crimp die for Crimp tool	50 mm²	1
44420331	Crimp die for Crimp tool	70 mm²	1
44420332	Crimp die for Crimp tool	95 mm²	1
44420333	Crimp die for Crimp tool	120 mm²	1
44420334	Crimp die for Crimp tool	150 mm²	1
44420335	Crimp die for Crimp tool	185 mm²	1
44420336	Crimp die for Crimp tool	240 mm²	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWERLOCK Accessories

Contacts, tools, accessories for circular connectors



Technical data

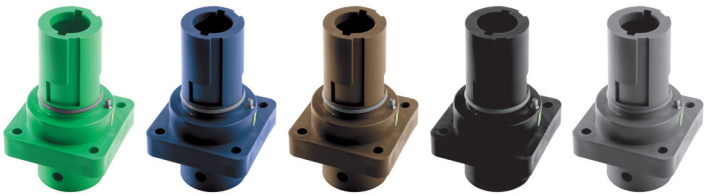
Classification
ETIM 5.0 Class-ID: EC002314
ETIM 5.0 Class-Description: Cap for industrial connectors

Article number	Article	For design	Version	PU
Protective caps				
44420252	POWERLOCK PROTECTION CAP A1	for type A1	IP54	1
44420253	POWERLOCK PROTECTION CAP A6	for type A6	IP54	1
44420251	POWERLOCK PROTECTION CAP D6	for type D6	IP54	1
44420250	POWERLOCK PROTECTION CAP F6	for type F6	IP54	1
Spare part: Contact retention pin				
44420259	POWERLOCK RETENTION PIN A1, A6	for type A1, A6		1
44420255	POWERLOCK RETENTION PIN D6	for type D6		1
44420254	POWERLOCK RETENTION PIN F6	for type F6		1
Conductor end sleeves for POWERLOCK screw contact				
44420244	POWERLOCK WIRE SLEEVE 120	Spare part for POWERLOCK 120 SS/QS contact	120 mm²	1
44420245	POWERLOCK WIRE SLEEVE SET 95	Reduction set for POWERLOCK 120 SS/QS screw contact	95 mm²	1
44420246	POWERLOCK WIRE SLEEVE SET 70	Reduction set for POWERLOCK 120 SS/QS screw contact	70 mm²	1
44420247	POWERLOCK WIRE SLEEVE SET 50	Reduction set for POWERLOCK 120 SS/QS screw contact	50 mm²	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWERLOCK A1 C

Single-pin circular connector for mobile power distribution, electro motors and generators



EPIC® POWERLOCK A6 C

Single-pin circular connector for mobile power distribution, electro motors and generators



Info

- Connector for unscreened single-core power cables

Suitable contacts:

- EPIC® POWERLOCK Crimp contacts Page 249
- Housing without contact, order contact separately

Benefits

- Resistant to mechanical influences in harsh environmental conditions
- Connectors in harmonised colours according to European standards
- Every colour has a different coding to prevent incorrect plugging

Application range

- For renewable energy plants e.g. wind power
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology

Product features

- Panel-mount base, straight entry, flat gasket included
- Contact fixing by contact retention pin, each pin can only be used once
- Housing without contact, order contact separately

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Rated voltage (V)
1000 V

Rated impulse voltage
8 kV

Rated current (A)
Max. crimp 660 A

Degree of soiling
3

Contacts
Crimp termination: copper, silver-plated

Number of contacts
1

Termination methods
Crimp termination: 35 - 240 mm²

Material
Housing: PBT
Contact retention pin: PA

Protection rating
IP 67 (maximum, dependant on cable gland used)
IP 20 (unmated)

Cycle of mechanical operation
500

VDE-tested
VDE Reg. No. D42

Temperature range
-25°C up to +125°C

Article number	Article description	Fastening type	Pin configuration	Pieces / PU
Type POWERLOCK A1, panel-mount box, drain for contact with M12 threaded post				
44420221	POWERLOCK A1 PE/GN	Ø 5.5 mm (4x)	PE, Green	1
44420222	POWERLOCK A1 N/BL	Ø 5.5 mm (4x)	N, Blue	1
44420223	POWERLOCK A1 L1/BN	Ø 5.5 mm (4x)	L1, Brown	1
44420224	POWERLOCK A1 L2/BK	Ø 5.5 mm (4x)	L2, Black	1
44420225	POWERLOCK A1 L3/GY	Ø 5.5 mm (4x)	L3, Grey	1
L1/red for direct current applications in conjunction with L2/black				
44420316	POWERLOCK A1 L1/RD	Ø 5.5 mm (4x)	L1, Red	1
Type POWERLOCK A6, panel-mount box, source for contact with M12 threaded post				
44420226	POWERLOCK A6 PE/GN	Ø 5.5 mm (4x)	PE, Green	1
44420227	POWERLOCK A6 N/BL	Ø 5.5 mm (4x)	N, Blue	1
44420228	POWERLOCK A6 L1/BN	Ø 5.5 mm (4x)	L1, Brown	1
44420229	POWERLOCK A6 L2/BK	Ø 5.5 mm (4x)	L2, Black	1
44420230	POWERLOCK A6 L3/GY	Ø 5.5 mm (4x)	L3, Grey	1
L1/red for direct current applications in conjunction with L2/black				
44420317	POWERLOCK A6 L1/RD	Ø 5.5 mm (4x)	L1, Red	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWERLOCK D6 C

Single-pin circular connector for mobile power distribution, electro motors and generators



EPIC® POWERLOCK F6 C

Single-pin circular connector for mobile power distribution, electro motors and generators



Info

- Connector for unscreened single-core power cables

Suitable contacts:

- EPIC® POWERLOCK Crimp contacts Page 249
- Housing without contact, order contact separately

Benefits

- Resistant to mechanical influences in harsh environmental conditions
- Connectors in harmonised colours according to European standards
- Every colour has a different coding to prevent incorrect plugging

Application range

- For renewable energy plants e.g. wind power
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology

Product features

- Straight connector with M40 thread
- Order SKINTOP® ST-M 40 or STR-M 40 separately
- Contact fixing by contact retention pin, each pin can only be used once
- Housing without contact, order contact separately

Technical data

Classification
ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Rated voltage (V)
1000 V

Rated impulse voltage
8 kV

Rated current (A)
Max. crimp 660 A

Degree of soiling
3

Contacts
Crimp termination: copper, silver-plated

Number of contacts
1

Termination methods
Crimp termination: 35 - 240 mm²

Material
Housing: PBT
Contact retention pin: PA

Protection rating
IP 67 (maximum, dependant on cable gland used)
IP 20 (unmated)

Cycle of mechanical operation
500

VDE-tested
VDE Reg. No. D42

Temperature range
-25 °C up to +125 °C

Article number	Article description	M	Pin configuration	Pieces / PU
Type POWERLOCK D6, cable connector, source for crimp contact				
44420216	POWERLOCK D6 PE/GN	40	PE, Green	1
44420217	POWERLOCK D6 N/BL	40	N, Blue	1
44420218	POWERLOCK D6 L1/BN	40	L1, Brown	1
44420219	POWERLOCK D6 L2/BK	40	L2, Black	1
44420220	POWERLOCK D6 L3/GY	40	L3, Grey	1
L1/red for direct current applications in conjunction with L2/black				
44420319	POWERLOCK D6 L1/RD	40	L1, Red	1
Type POWERLOCK F6, coupling connector, drain for crimp contact				
44420211	POWERLOCK F6 PE/GN	40	PE, Green	1
44420212	POWERLOCK F6 N/BL	40	N, Blue	1
44420213	POWERLOCK F6 L1/BN	40	L1, Brown	1
44420214	POWERLOCK F6 L2/BK	40	L2, Black	1
44420215	POWERLOCK F6 L3/GY	40	L3, Grey	1
L1/red for direct current applications in conjunction with L2/black				
44420318	POWERLOCK F6 L1/RD	40	L1, Red	1

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® Standard refer to main catalogue

POWERLOCK BOX C*

Circular connectors for servomotors and power supply



Info

- Can be locked to prevent unauthorised disconnection

Benefits

- Guarantees the correct sequence is followed when connecting and disconnecting a set of connectors (PE, N, L1, L2, L3)
- Every colour has a different coding to prevent incorrect plugging
- IP 20 finger-protected
- Integrated micro-switch that can be connected to circuit breaker or alarm circuit

Application range

- Alternative energy installations
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology

Housings

- Sealed security lid is optional

Product features

- Included: Contacts with M12 threaded post
- Cable connector for microswitch optional
- 19” housing with height unit 2HE/2U

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
1000 V

Rated current (A)
Max. crimp 660 A

Degree of soiling
3

Contacts
Crimp termination: copper, silver-plated

Number of contacts
4 + PE

Termination methods
Crimp termination: 35 - 240 mm²

Protection rating
IP 65 (latched)

Cycle of mechanical operation
500

Temperature range
-25 °C ... +85 °C

Article number	Article description	Fastening type	Pin configuration	Pieces / PU
POWERLOCK BOX A1, panel-mount base, drain with M12 threaded post				
44420288	POWERLOCK BOX A1 C	Ø 6.5 mm (4x)	4+PE	1
POWERLOCK BOX A1, panel-mount base with cover, drain with M12 threaded post				
44420289	POWERLOCK BOX A1 CD	Ø 6.5 mm (4x)	4+PE	1
POWERLOCK BOX A6, panel-mount base, source with M12 threaded post				
44420284	POWERLOCK BOX A6 C	Ø 6.5 mm (4x)	4+PE	1
POWERLOCK BOX A6, panel-mount base with cover, source with M12 threaded post				
44420285	POWERLOCK BOX A6 CD	Ø 6.5 mm (4x)	4+PE	1

* Trade product, no Lapp product
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWERLOCK Crimp contacts

Contacts, tools, accessories for circular connectors

Info

- Max. crimp 660 A
- Do not plug with screw-type (400 A)



Technical data

Classification
ETIM 5.0 Class-ID: EC000796
ETIM 5.0 Class-Description:
Contact for industrial connectors

Article number	Article designation	Version	PU
Drain - contact with M12 threaded post, for type POWERLOCK A1 C, contact retaining pin included			
44420260	POWERLOCK SP M12	Contact Drain, M12 Thread for cable lugs	1
Source - contact with M12 threaded post for type POWERLOCK A6 C, contact retaining pin included			
44420261	POWERLOCK QP M12	Lamella contact source, M12 thread for cable lug	1
Source - crimp contact for type POWERLOCK D6 C, contact retaining pin included			
44420290	POWERLOCK QCM 35	35 mm²	1
44420291	POWERLOCK QCM 50	50 mm²	1
44420292	POWERLOCK QCM 70	70 mm²	1
44420236	POWERLOCK QCM 95	95 mm²	1
44420238	POWERLOCK QCM 120	120 mm²	1
44420257	POWERLOCK QCM 150	150 mm²	1
44420239	POWERLOCK QCM 185	185 mm²	1
44420240	POWERLOCK QCM 240	240 mm²	1
Drain - Crimp contact, for type POWERLOCK F6 C, contact retaining pin included			
44420293	POWERLOCK SCM 35	35 mm²	1
44420294	POWERLOCK SCM 50	50 mm²	1
44420295	POWERLOCK SCM 70	70 mm²	1
44420231	POWERLOCK SCM 95	95 mm²	1
44420233	POWERLOCK SCM 120	120 mm²	1
44420256	POWERLOCK SCM 150	150 mm²	1
44420234	POWERLOCK SCM 185	185 mm²	1
44420235	POWERLOCK SCM 240	240 mm²	1

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EPIC® POWERLOCK Tools

Contacts, tools, accessories for circular connectors



Technical data

Classification
ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article description	Version	PU
Tools			
44420243	POWERLOCK DISCONNECTION TOOL	for mated connection	1
44420337	Crimping tool		1
44420330	Crimp die for Crimp tool	50 mm²	1
44420331	Crimp die for Crimp tool	70 mm²	1
44420332	Crimp die for Crimp tool	95 mm²	1
44420333	Crimp die for Crimp tool	120 mm²	1
44420334	Crimp die for Crimp tool	150 mm²	1
44420335	Crimp die for Crimp tool	185 mm²	1
44420336	Crimp die for Crimp tool	240 mm²	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWERLOCK Accessories

Contacts, tools, accessories for circular connectors



Technical data

Classification
ETIM 5.0 Class-ID: EC002314
ETIM 5.0 Class-Description: Cap for industrial connectors

Article number	Article	For design	Version	PU
Protective caps				
44420252	POWERLOCK PROTECTION CAP A1	for type A1	IP54	1
44420253	POWERLOCK PROTECTION CAP A6	for type A6	IP54	1
44420251	POWERLOCK PROTECTION CAP D6	for type D6	IP54	1
44420250	POWERLOCK PROTECTION CAP F6	for type F6	IP54	1
Spare part: Contact retention pin				
44420259	POWERLOCK RETENTION PIN A1, A6	for type A1, A6		1
44420255	POWERLOCK RETENTION PIN D6	for type D6		1
44420254	POWERLOCK RETENTION PIN F6	for type F6		1

Photographs are not to scale and do not represent detailed images of the respective products.





EPIC® Solar connectors
durable connectors for photovoltaic systems

EPIC® SOLAR provides cabling solutions for photovoltaic systems in all power categories. Configurable connectors for installers, junction boxes for module manufacturers and installation connectors as well as T distributors for inverter manufacturers. Lapp develops customised connection systems including for the most recent, technological generation of organic photovoltaic modules.

EPIC® SOLAR connectors and ÖLFLEX® SOLAR cables are a perfect match and they have been ideally configured to suit the demands of the photovoltaic industry.



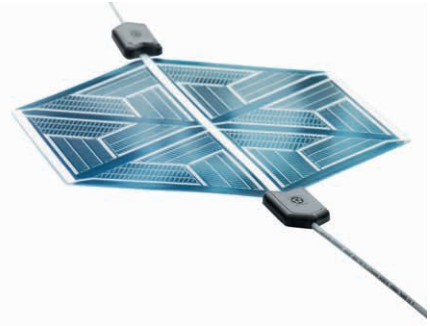
EPIC® SOLAR 4

EPIC® – SOLAR the connector for easy, on-site assembly that can be configured to meet individual requirements. Simply insert the crimped contact into the housing and tighten it – done.



EPIC® SOLAR splitter

Connectors for photovoltaic systems to connect strings in parallel.



EPIC® SOLAR MAP

EPIC® SOLAR MAP for organic PV modules. A technically and economically ideal solution for durable and safe connections in what can be extreme outdoor climate conditions.

EPIC® SOLAR PL008

Pre-assembled solar cables for weatherproof cabling of photovoltaic systems



Info

- Plastic junction box for ambient resistant cabling and connecting of photovoltaic systems

Benefits

- Cable variations and 4 diodes version on request
- Cost-efficient plastic junction box
- Factory assembled and tested
- Traceability of every junction box ensured by barcode

Application range

- Photovoltaic plants

Product features

- Robust junction box for cabling of photovoltaic modules
- Version with 3 diodes for three-string modules
- PTFE membrane equalize the pressure balance and enables humidity to stay out of the junction box
- Assembled with EPIC® SOLAR 4 connector and ÖLFLEX® SOLAR cable 4mm²

Technical data

Classification
ETIM 5.0 Class-ID: EC002638
ETIM 5.0 Class-Description: Cable connector

Rated voltage (V)
1000 V

Rated current (A)
11 A

Protection rating
IP 65

Protection class
II

Temperature range
-40°C ... +105°C

Article number	Article description	PU
EPIC® SOLAR PL008		
44428214	EPIC® SOLAR PL008/3/11 4THIN 4/1	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SOLAR 4 M

Info

- 4 mm connector system with double hook
- Field-mountable solar connector



EPIC® SOLAR 4 F

Info

- 4 mm connector system with double hook
- Field-mountable solar connector



Benefits

- Low contact-resistance for efficient power transmission
- Crimp connection for field mounting
- Suitable for various ÖLFLEX® SOLAR cables

Application range

- Photovoltaic plants
- Crystalline and thin-film constructions
- Solartracker

Product features

- 4 mm connector system with double hook
- Inclusive contacts

Suitable cables

- H1Z2Z2-K refer to main catalogue
- ÖLFLEX® SOLAR XLWP refer to main catalogue
- ÖLFLEX® SOLAR XLS-R refer to main catalogue
- ÖLFLEX® SOLAR XLR-E refer to main catalogue

Suitable tools

- EPIC® SOLAR TOOL refer to page 259
- For easier assembly of the plastic parts, use EPIC® SOLAR 4 Assembly Tool Set (2 pieces). Holder for insulation body, spanner for cap nut and pins for unlocking

Suitable connectors

EPIC® SOLAR 4

- EPIC® SOLAR 4Plus Page 257
- EPIC® SOLAR 4L Page 256

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
1000 V AC/DC

Rated impulse voltage
8 kV

Degree of soiling
3

Contact resistance
< 0.5 mOhm

Protection rating
IP 67

Protection class
II

Temperature range
-40 °C ... +105 °C

Article number	Article designation	Cross-section (mm²)	Clamping range in mm	Rated current (A)	PU
EPIC® SOLAR 4 male field-mountable, inclusive contacts					
44428200	EPIC® SOLAR 4 M 2.5 mm²	2.5	4.8 - 6.0	22	100
44428201	EPIC® SOLAR 4 M 4mm² ... 6mm²	4 - 6	5.2 - 7.1	30	100
EPIC® SOLAR 4 female field-mountable, inclusive contacts					
44428203	EPIC® SOLAR 4 F 2.5 mm²	2.5	5.2 - 6.5	22	100
44428204	EPIC® SOLAR 4 F 4mm² ... 6mm²	4 - 6	5.2 - 7.2	30	100
EPIC® SOLAR 4 assembly tool					
44428224	EPIC® SOLAR 4 Assembly Tool Set				1

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® SOLAR 4L M

Connector system for weatherproof cabling of photovoltaic systems



Info

- 4 mm connector system with double hook
- Field-mountable solar connector

EPIC® SOLAR 4L F

Connector system for weatherproof cabling of photovoltaic systems



Info

- 4 mm connector system with double hook
- Field-mountable solar connector

Benefits

- Low contact-resistance for efficient power transmission
- Crimp connection for field mounting
- Suitable for various ÖLFLEX® SOLAR cables

Application range

- Photovoltaic plants
- Crystalline and thin-film constructions
- Solartracker

Product features

- 4 mm connector system with double hook
- Inclusive contacts
- Tested according EN 50521: 2008+A1
- TÜV Rheinland certified

Suitable cables

- H1Z2Z2-K refer to main catalogue
- ÖLFLEX® SOLAR XLWP refer to main catalogue
- ÖLFLEX® SOLAR XLS-R refer to main catalogue
- ÖLFLEX® SOLAR XLR-E refer to main catalogue

Suitable tools

- EPIC® SOLAR TOOL refer to page 259

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
1000 V DC

Rated impulse voltage
8 kV

Degree of soiling
3

Contact resistance
< 0.5 mOhm

Protection rating
IP 67

Cycle of mechanical operation
100

Protection class
II

Temperature range
-40°C ... +85°C

Passende Steckverbinder

EPIC® SOLAR 4L M

- EPIC® SOLAR 4Plus F refer to page 257
- EPIC® SOLAR 4L F refer to page 256
- EPIC® SOLAR 4 F refer to page 255
- EPIC® SOLAR 4 Splitter refer to page 258
- EPIC® SOLAR 4 Built in socket refer to page 258

EPIC® SOLAR 4L F

- EPIC® SOLAR 4L M refer to page 256
- EPIC® SOLAR 4Plus M refer to page 257
- EPIC® SOLAR 4 M refer to page 255
- EPIC® SOLAR 4 Splitter refer to page 258
- EPIC® SOLAR 4 Built in socket refer to page 258

Article number	Article designation	Cross-section (mm²)	Clamping range in mm	Rated current (A)	PU
EPIC® SOLAR 4L male field-mountable, inclusive contacts					
44428251	EPIC® SOLAR 4L M 4mm² ... 6mm²	4.0 - 6.0	5.2 - 7.1	30	100
EPIC® SOLAR 4 male contacts as spare part					
44428219	EPIC® SOLAR 4 PIN M 4mm² ... 6mm²	4.0 - 6.0			100
EPIC® SOLAR 4L female field-mountable, inclusive contacts					
44428252	EPIC® SOLAR 4L F 4mm² ... 6mm²	4.0 - 6.0	5.2 - 7.1	30	100
EPIC® SOLAR 4 female contacts as spare part					
44428220	EPIC® SOLAR 4 PIN F 4mm² ... 6mm²	4.0 - 6.0			100

Photographs are not to scale and do not represent detailed images of the respective products.

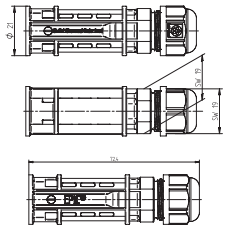
NEW

EPIC® SOLAR 4Plus M

Connector system for weatherproof cabling of photovoltaic systems

Info

- 4 mm connector system with double hook
- For photovoltaic plants up to 1.5kV system voltage
- Available 2017



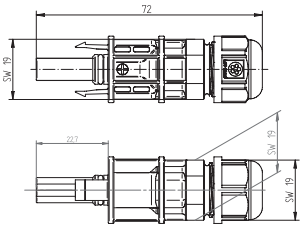


EPIC® SOLAR 4Plus F

Connector system for weatherproof cabling of photovoltaic systems

Info

- 4 mm connector system with double hook
- For photovoltaic plants up to 1.5kV system voltage
- Available 2017





Benefits

- Low contact-resistance for efficient power transmission
- Crimp connection for field mounting
- Suitable for various ÖLFLEX® SOLAR cables
- Reliable connection, only possible to unlock with a tool, according NEC standard

Application range

- Photovoltaic plants
- Crystalline and thin-film constructions
- Solartracker

Product features

- 4 mm connector system with double hook
- 10mm² maximum crimp connection for high currents and long cables
- TÜV Rheinland: in preparation

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
1.5 kV

Rated impulse voltage
16 kV

Degree of soiling
3

Contact resistance
< 0.5 mOhm

Protection rating
IP68 (10h/1m)

Cycle of mechanical operation
100

Protection class
II

Temperature range
-40°C ... +105°C

Suitable cables

- H1Z2Z2-K refer to main catalogue
- ÖLFLEX® SOLAR XLWP refer to main catalogue
- ÖLFLEX® SOLAR XLS-R refer to main catalogue
- ÖLFLEX® SOLAR XLR-E refer to main catalogue

Suitable tools

- EPIC® SOLAR TOOL refer to page 259

Suitable connectors

- EPIC® SOLAR 4L
- EPIC® SOLAR 4 Splitter refer to page 258
- EPIC® SOLAR 4 Built in socket refer to page 258

Article number	Article designation	Cross-section (mm²)	Clamping range in mm	Rated current (A)	PU
EPIC® SOLAR 4Plus male field-mountable, inclusive contacts					
44428233	EPIC® SOLAR 4Plus M 2.5mm²	2.5	4.8 - 6.0	22	100
44428235	EPIC® SOLAR 4Plus M 4mm² ... 6mm²	4 - 6	5.2 - 7.1	30	100
44428237	EPIC® SOLAR 4Plus M 10mm²	10	7.0 - 10.0	35	100
EPIC® SOLAR 4Plus male contacts as spare part					
44428217	EPIC® SOLAR 4Plus PIN M 2.5mm²	2.5			100
44428219	EPIC® SOLAR 4Plus PIN M 4mm² ... 6mm²	4.0 - 6.0			100
44428239	EPIC® SOLAR 4Plus PIN M 10mm²	10			100
EPIC® SOLAR 4Plus female field-mountable, inclusive contacts					
44428234	EPIC® SOLAR 4Plus F 2.5mm²	2.5	4.8 - 6.0	22	100
44428236	EPIC® SOLAR 4Plus F 4mm² ... 6mm²	4 - 6	5.2 - 7.1	30	100
44428238	EPIC® SOLAR 4Plus F 10mm²	10	7.0 - 10.0	35	100
EPIC® SOLAR 4Plus female contacts as spare part					
44428218	EPIC® SOLAR 4Plus PIN F 2.5mm²	2.5			100
44428220	EPIC® SOLAR 4Plus PIN F 4mm² ... 6mm²	4.0 - 6.0			100
44428240	EPIC® SOLAR 4Plus PIN F 10mm²	10			100

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® SOLAR 4 Splitter

Connector system for weatherproof cabling of photovoltaic systems





Benefits

- Splitter for pallalel connection of PV-modules and strings‘
- Easy plug and play
- Fixing option for a clear installation with a Ø 5mm mounting hole

Application range

- Photovoltaic plants
- Crystalline and thin-film constructions
- Solartracker

Product features

- Mateable with EPIC® SOLAR 4PLUS, EPIC® SOLAR 4
- Splitter MFF 1x connection male, 2x connection female
- Splitter MFF 1x connection female, 2x connection male

Suitable connectors

- EPIC® SOLAR 4
- EPIC® SOLAR 4Plus
- EPIC® SOLAR 4 Built in socket refer to page 258

Info

- 4 mm connector system with double hook
- Splitter for parallel connection of photovoltaic modules

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
1000 V AC/DC

Rated impulse voltage: 8 kV

Rated current (A)
30 A

Degree of soiling
3

Protection rating
IP65/IP67

Cycle of mechanical operation
100

Protection class: II

Temperature range
-40 °C ... +85 °C

Article number	Article designation	PU
EPIC® SOLAR 4 Splitter		
44428226	EPIC® SOLAR 4 Splitter MFF	25
44428227	EPIC® SOLAR 4 Splitter FMM	25

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® SOLAR 4 Built in socket

Connector system for weatherproof cabling of photovoltaic systems



Benefits

- Built in fitting for inverters, PV string circuit breakers and fuse boxes

Application range

- Photovoltaic plants
- Inverters
- PV string circuit breakers

Product features

- PV panel connector to be screwed in directly or fastening with the included plastic locknut
- Internal plug connector diameter 2.5mm, flush connector pin
- Installation hole: drilling diameter 12mm
- Other types of connection on request

Suitable connectors

- EPIC® SOLAR 4
- EPIC® SOLAR 4Plus
- EPIC® SOLAR 4 Splitter refer to page 258

Info

- 4 mm connector system with double hook
- Built in socket for use in inverters

Technical data

Classification
ETIM 5.0 Class-ID: EC002635
ETIM 5.0 Class-Description: Circular connector (industrial connector)

Rated voltage (V)
1000 V AC/DC

Rated impulse voltage: 8 kV

Rated current (A)
30 A

Degree of soiling
3

Contact resistance: < 0.5 mOhm

Protection rating
IP 67

Cycle of mechanical operation
100

Protection class
II

Temperature range
-40°C ... +105°C

Article number	Article designation	PU
EPIC® SOLAR 4 built in socket with counter nut		
44428222	EPIC® SOLAR 4 AD M Pin 2.5	100
44428223	EPIC® SOLAR 4 AD F Pin 2.5	100

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® CRIMPTOOL

For inserts and modules of the EPIC® rectangular connectors



EPIC® SOLAR TOOL CSC

Cutting, stripping and crimping with just one tool

Info

- Cutting, stripping and crimping with just one tool



EPIC® SOLAR TOOL

3 cross section in one tool

Info

- 3 cross section in one tool



Application range

EPIC® SOLAR TOOL CSC

- For crimping of the photovoltaic connector EPIC® SOLAR 4 in the field
- For EPIC® SOLAR 4 and MC4 suitable

EPIC® SOLAR TOOL

- For crimping of the photovoltaic connector EPIC® SOLAR 4 in the field
- For EPIC® SOLAR 4 and MC4 suitable

Product features

EPIC® SOLAR TOOL CSC

- Multifunctional die for cutting, stripping and crimping with just one tool
- Locator for the safe and accurate positioning of the crimping contacts

EPIC® SOLAR TOOL

- Crimping die for the cable cross sections of 2.5mm², 4mm² and 6mm²
- Locator for the safe and accurate positioning of the crimping contacts

Suitable cables

EPIC® SOLAR TOOL CSC

- H1Z2Z2-K refer to main catalogue
- ÖLFLEX® SOLAR XLWP refer to main catalogue
- ÖLFLEX® SOLAR XLS-R refer to main catalogue
- ÖLFLEX® SOLAR XLR-E refer to main catalogue

EPIC® SOLAR TOOL

- H1Z2Z2-K refer to main catalogue
- ÖLFLEX® SOLAR XLWP refer to main catalogue
- ÖLFLEX® SOLAR XLS-R refer to main catalogue
- ÖLFLEX® SOLAR XLR-E refer to main catalogue

Suitable connectors

EPIC® SOLAR TOOL CSC

- EPIC® SOLAR 4

EPIC® SOLAR TOOL

- EPIC® SOLAR 4

Technical data

Classification
ETIM 5.0 Class-ID: EC000168
ETIM 5.0 Class-Description: Crimp tool cable lugs, cable end sleeves, screen connection

Article number	Article description	Cross-section (min) in mm²	Cross-section (max) in mm²	Version	Note	PU
Tools						
11147000	Crimping tool			In tool case	without crimping dies, without locator	1
Multi-functional die CSC						
44428992	EPIC® SOLAR TOOL CSC DIE 4mm²		4			1
44428993	EPIC® SOLAR Tool CSC DIE 6mm²		6			1
44428994	EPIC® SOLAR TOOL LOC 4, 6mm²	4	6			1
Crimping die						
44428995	EPIC® SOLAR Tool DIE 2.5, 4, 6mm²	2.5	6			1
44428996	EPIC® SOLAR Tool LOC 2.5, 4, 6mm²	2.5	6			1
44428243		4	10			1
44428244		4	10			1

Photographs are not to scale and do not represent detailed images of the respective products.



EPIC® DATA Connectors for sensor/actuator and fieldbus connections

Do you need to perform quick cabling of sensors and actuators in the field? No problem thanks to our comprehensive range of field-configurable M8 and M12 connectors. Be it with conventional screw connections or time-saving fast connections. Thanks to metal variants with screen contact surface, shielded cables can also be safely connected in environments subject to EMC regulations.

We recommend M8 and M12 flush-type connectors with integrated strands for device connections suitable for PCBs or terminals.
In terms of fieldbus wiring, our EPIC® Data range provides connectors that can be assembled in the field for all conventional fieldbus systems:

- PROFIBUS DP
- CAN Bus
- DeviceNET
- ASI

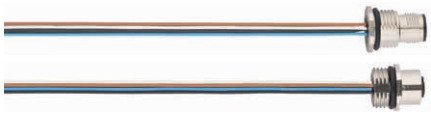
We provide IP20 variants for application in control cabinets and IP67 variants for application outside control cabinets to comply with the different environmental conditions applicable to industrial applications.

Fieldbus connectors with reliable connection systems, such as screw-on, cage clamp and ID termination enable a free choice of preferred cable connection systems.

Bus Connectors at a glance

Product	Product picture	Page
ASI distributor AS-Interface distributor		262
EPIC® DATA PB Sub-D Sub-D PROFIBUS connectors **EPIC® DATA CAN Sub-D** Sub-D CAN connectors		263
EPIC® DATA M12 Field mountable M12 BUS-connectors, shielded		268
M12 accessories Terminating resistor, control cabinet feed-thorugh, cable coupler round, T- distributor		269

Sensor Connectors at a glance

EPIC® SENSOR M8 Field mountable connectors M8		276
EPIC® SENSOR **Flush-type connectors M8**		277
M8 Y-distributor Y-distributor M8		282
EPIC® SENSOR M12 Field mountable connectors M12		278
EPIC® SENSOR **Flush-type connectors M12**		280
M12 accessories Y-distributor, T-distributor, control cabinet feed-trough, cable coupler round		282
M12 POWER Field mountable M12 POWER-connectors and Flush-type connectors M12		283

ASI Distributor

AS-Interface Distributor





Benefits

- Cost-efficient and rational wiring for AS-Interface installations
- Space-saving due to compact dimensions
- Easy to install

Product features

- Field mountable distributor with flat cable clamp
- On 2 flat cables or straight M12 socket (A-coded)
- Suitable for drag chains
- Panel mounting
- Rated current ≤ 4 A
  (H-distributor: I ≤ 8 A)

Product Make-up

- Wire cross-section: 0,34 mm²
- Colour-code: bn (1), wh (2), bu (3), bk (4)
- Outer sheath: PUR halogen-free, black

Suitable cables

- UNITRONIC® BUS ASI refer to main catalogue
- UNITRONIC® BUS ASI FD refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC000313
ETIM 5.0 Class-Description:
Communications technique adapter

Connection type
Penetration technique for flat cable

Protection rating
IP 67
(H-distributor: IP69)

Ambient temperature (operation)
-25 °C to +75 °C

Article number	Article designation	Length (m)	PU
Distribution of 1 flat cable			
on 2 flat cables (H distributor)			
22260802	AB-ASI-J-Y-Y-N		1
on M12 socket (2-pos.)			
22260800	AB-ASI-J-Y-N-M12FS		1
22260803	AB-ASI-J-Y-N-PUR-1,0-M12FS	1	1
22260804	AB-ASI-J-Y-N-PUR-2,0-M12FS	2	1
Distribution of 2 flat cables			
on M12 socket (4-pos.)			
22260801	AB-ASI-J-Y-B-M12FS		1
22260805	AB-ASI-J-Y-B-PUR-1,0-M12FS	1	1
22260806	AB-ASI-J-Y-B-PUR-2,0-M12FS	2	1

Copper price basis: inclusive of copper. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Kraftform® adjustable torque screwdriver/Kraftform Kompakt® Set
  refer to main catalogue

EPIC® DATA PB Sub-D

PROFIBUS connectors with screw terminals | REPEATER function | ATEX

Info

- Optional with LED diagnostic
- ATEX and REPEATER Version
- Versions with 2th Sub-D ports



Benefits

- Easy connection with proven srew clamp connection
- Sensor/ ac
- Terminating resistor (integrated) can be switched
- REPEATER version: Regeneration of data signal (slope, power and mark-to-space ratio)
- ATEX version: For use within intrinsically-safe circuits in zone 2 areas with an explosion hazard (explosive gas atmosphere occurs only rarely and briefly)

Product features

- Max. transmission rate 12 Mbit/s possible
- Current consumption max. 12,5 mA (with LED 35 mA / REPEATER 100 mA)
- Supply voltage 4.75 - 5.25 V DC (supplied from the terminal)
- Terminating resistor “ON” - the outbound bus cable is disconnected
- REPEATER version: Easy extension of the PROFIBUS network:
  - up to 3 repeaters
  - 1 additional PROFIBUS segment
  - galvanic isolation

Norm references / Approvals

- IEC 61158, IEC 61784
- UL File No. E331560
- ATEX version: DIN EN 60079-0:2006, DIN 60079-15:2005 (category 3G zone 2)

Product Make-up

- D-Sub plug, 9-pin, fixing screws 4-40 UNC
- Improved electromagnetic compatibility (EMC) by metallized housing
- Versions with additional Sub-D interface for programming/diagnostic (‘PG’)
- For cable outer diameter: 5 - 8 mm
- LED Version indicate:
  bus operation - (green)
  station transmission - (blue)
  terminating resistor “on” - (orange)

Suitable cables

- Bus system PROFIBUS-DP/FMS/FIP

Suitable tools

- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set
  refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC001132
ETIM 5.0 Class-Description:
D-Sub connector

Dimensions
54 mm x 40 mm x 17 mm - 35°
64 mm x 40 mm x 17 mm - 90°
68 mm x 40 mm x 17 mm - 180°
(LxWxH)

Connection type
Screwing

Protection rating
IP 20

Terminating resistor
150 W

Interfaces
PROFIBUS station:
D-Sub socket, 9-pin
PROFIBUS cable:
4 terminal blocks for wires up to 1.0 mm²
(solid/flexible 7/19 wire)

Permissble ambient conditions
Operating temperature: -25°C to +85°C
*The max. temperature for UL is 60 °C.

Article number	Article designation	Version	PG-Interface	Diagnostic LEDs	PU
35° cable outlet					
21700507	ED-PB-35		no	no	1
21700506	ED-PB-35-PG		yes	no	1
90° cable outlet					
21700504	ED-PB-90		no	no	1
21700503	ED-PB-90-PG		yes	no	1
21700530	ED-PB-90-LED		no	yes	1
21700529	ED-PB-90-PG-LED		yes	yes	1
21700541	ED-PB-90-RP-PG	REPEATER	yes	yes	1
21700543	ED-PB-90-ATEX	ATEX	no	no	1
21700542	ED-PB-90-PG-ATEX	ATEX	yes	no	1
180° (AX) cable outlet					
21700505	ED-PB-AX		no	no	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® DATA PB Sub-D FC

PROFIBUS Connectors Fast Connect



Info

- New innovative insulation displacement terminals suitable for solid and flexible conductors (90° and 180° versions)
- Versions with 2th Sub-D ports
- Optional with LED diagnostic

Benefits

- Quick installation with Fast Connect ('FC') technology
- Sensor/ ac
- No loose parts
- Visual bus connection control
- Terminating resistor (integrated) can be switched

Product features

- Fully compatible with market standard
- Max. transmission rate 12 Mbit/s possible
- Current consumption max. 12,5 mA (with LED 35 mA)
- Supply voltage 4.75 - 5.25 V DC (supplied from the terminal)
- Terminating resistor "ON" - the outbound bus cable is disconnected

Norm references / Approvals

- IEC 61158, IEC 61784
- UL File No. E331560

Product Make-up

- D-Sub plug, 9-pin, fixing screws 4-40 UNC
- Improved electromagnetic compatibility (EMC) by metallized housing
- Max. cable outer diameter: 8 mm
- Versions with additional Sub-D interface for programming/diagnostic ('PG')
- LED Version indicate:
  bus operation - (green)
  station transmission - (blue)
  terminating resistor "on" - (orange)

Suitable cables

- Bus system PROFIBUS-DP/FMS/FIP

Suitable tools

- FC STRIP stripping tool
  refer to main catalogue
- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set
  refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC001132
ETIM 5.0 Class-Description:
D-Sub connector

Dimensions
95 mm x 70 mm x 17 mm - 35°
72 mm x 40 mm x 17 mm - 90°
70 mm x 35 mm x 17 mm - 180°
(LxWxH)

Connection type
Fast Connect

Protection rating
IP 20

Terminating resistor
150 W

Interfaces
PROFIBUS station:
SUB-D socket, 9-pin
PROFIBUS cable:
FC standard cable, Ø 0.64 mm

Permissble ambient conditions
Operating temperature: -25°C to +85°C
*The max. temperature for UL is 60 °C.

Article number	Article designation	PG-Interface	Diagnostic LEDs	PU
35° cable outlet for solid conductor				
21700511	ED-PB-35-FC	no	no	1
21700513	ED-PB-35-PG-FC	yes	no	1
35° cable outlet for 7-/19-wire stranded conductor				
21700514	ED-PB-35-FC-FLEX	no	no	1
21700515	ED-PB-35-PG-FC-FLEX	yes	no	1
90° cable outlet for solid/ 7-/ 19-wire stranded conductor				
21700502	ED-PB-90-FC	no	no	1
21700501	ED-PB-90-PG-FC	yes	no	1
21700547	ED-PB-90-LED-FC	no	yes	1
21700546	ED-PB-90-PG-LED-FC	yes	yes	1
180° (AX) cable outlet for solid/ 7-/ 19-wire stranded conductor				
21700544	ED-PB-AX-FC	no	no	1

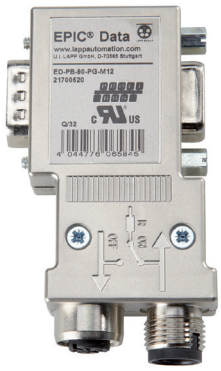
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® DATA PB Sub-D M12

PROFIBUS Connectors M12

Info

- Plug & Play together with ready-to-use PROFIBUS M12 cordsets



Benefits

- Cost-efficient due to quick installation (Plug & Play)
- Sensor/ ac
- No loose parts
- Terminating resistor (integrated) can be switched
- Suitable for assembled M12 PB cables

Product features

- Max. transmission rate 12 Mbit/s possible
- Current consumption max. 12,5 mA
- Supply voltage 4.75 - 5.25 V DC (supplied from the terminal)
- Switch can also be operated when the connector is plugged and setting is clearly visible
- Terminating resistor “ON” - the outbound bus cable is disconnected

Norm references / Approvals

- IEC 61158, IEC 61784
- UL File No. E331560

Product Make-up

- D-Sub plug, 9-pin, fixing screws 4-40 UNC
- Connector M12, B-coded
- Improved electromagnetic compatibility (EMC) by metallized housing
- Version with additional Sub-D port for programming/diagnostic (‘PG’)

Suitable cables

- UNITRONIC® BUS PB M12 refer to main catalogue
- UNITRONIC® BUS PB M12-M12 refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC001132
ETIM 5.0 Class-Description: D-Sub connector

Dimensions
70 mm x 40 mm x 17 mm (L x W x H)

Connection type
M12

Protection rating
IP 20

Terminating resistor
150 W

Interfaces
PROFIBUS station:
D-Sub socket, 9-pin
PROFIBUS cable:
M12 PB system cabling

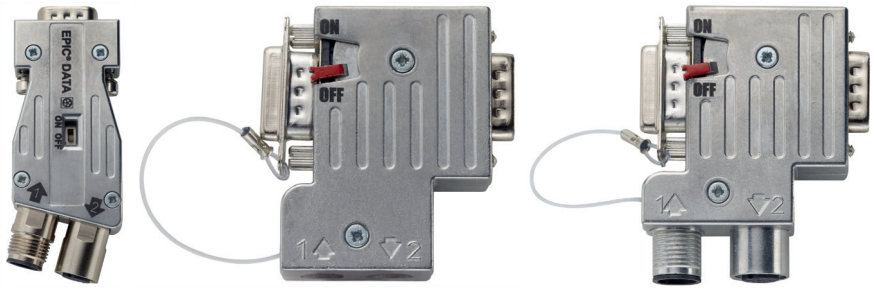
Permissble ambient conditions
Operating temperature:
-25°C to +85°C
*The max. temperature for UL is 60 °C.

Article number	Article designation	PG-Interface	PU
90° cable outlet			
21700520	ED-PB-PG-90-M12	yes	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® DATA PB Sub-D PRO

PROFIBUS Connectors full-metall M12 connection /spring type connection



Info

- For high mechanical stress
- High EMC protection

Benefits

- Optimum EMC protection
- Robust housing material for harsh environments
- No loose parts
- Cost-efficient due to quick installation (Plug & Play)
- Terminating resistor (integrated) can be switched

Product features

- Extended temperature range
- High mechnical strength (200 contact durability)
- Less transmission loss
- Max. transmission rate 12 Mbit/s possible
- Supply voltage 4.75 - 5.25 V DC (supplied from the terminal)

Norm references / Approvals

- IEC 61158, IEC 61784

Product Make-up

- D-Sub plug, 9-pin, fixing screws 4-40 UNC
- 360° shielding due full-metall housing (ZnAl)
- With additional Sub-D port for programming/diagnostic 'PG' (35° and 90° version)
- With EMC connector protection (PG port)
- M12 version: 5-pin connector, M12 B-coded

Suitable cables

- UNITRONIC® BUS PB M12 refer to main catalogue
- UNITRONIC® BUS PB M12-M12 refer to main catalogue

Suitable tools

- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC001132
ETIM 5.0 Class-Description:
D-Sub connector

Dimensions
see technical data sheet

Connection type
M12 or
Internal spring type terminal

Protection rating
IP 30

Terminating resistor
150 W

Interfaces
PROFIBUS station:
D-Sub socket, 9-pin
PROFIBUS cable:
M12 PROFIBUS cordsets
Spring type for solid conductor
0,08 - 0,5 mm² (AWG28 - AWG14)
Cable diameter: 8 - 9 mm

Permissble ambient conditions
Operating temperature:
-20°C to +70°C

Article number	Article designation	Connection type	PG-Interface	PU
35° cable outlet				
21700564	ED-PB-35-PG-ST-PRO	Internal spring type	yes	1
21700561	ED-PB-35-PG-M12-PRO	M12	yes	1
90° cable outlet				
21700565	ED-PB-90-PG-ST-PRO	Internal spring type	yes	1
21700562	ED-PB-90-PG-M12-PRO	M12	yes	1
180° (AX) cable outlet				
21700566	ED-PB-AX-M12-PRO	Internal spring type	no	1
21700563	ED-PB-AX-M12-PRO	M12	no	1

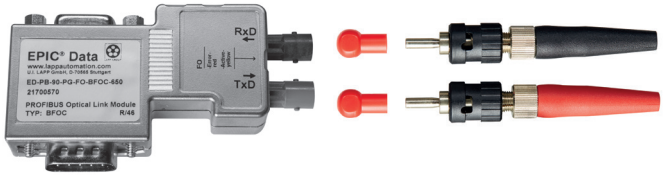
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® DATA PB Sub-D FO

PROFIBUS Connectors Optical Link Modul

Info

- PROFIBUS repeater with integrated optical interface



Benefits

- Easy covering of large distances (PCF 250 m / POF 65 m)
- Cost-efficient due to quick installation (Plug & Play)
- Galvanic isolation in case of potential differences within PROFIBUS network
- For EMC critical environments
- Integrated repeater functionality: Regeneration of data signal (slope, power and mark-to-space ratio)

Product features

- Max. distance:
  POF fiber: 65 m
  PCF fiber: 250 m
- Diagnostic LEDs (blue, green, red, yellow)
- Bus termination is integrated
- Current consumption typ. 100 mA
- Supply voltage 5.0 V DC (supplied from the terminal)

Norm references / Approvals

- IEC 61158, IEC 61784

Product Make-up

- D-Sub plug, 9-pin, fixing screws 4-40 UNC
- Improved electromagnetic compatibility (EMC) by metallized housing
- Versions with additional Sub-D interface for programming/diagnostic ('PG')
- An external 24 V supply is not necessary
- Connection for optical cable (POF or PCF)

Suitable cables

- HITRONIC® POF DUPLEX BUFFERED FIBRES refer to main catalogue
- HITRONIC® POF DUPLEX CABLE refer to main catalogue
- HITRONIC® POF cables for PROFINET Applications refer to main catalogue

Suitable connectors

- HBFR, SMA and BFOC(ST)

Technical data

Classification
ETIM 5.0 Class-ID: EC001132
ETIM 5.0 Class-Description:
D-Sub connector

Dimensions
64 mm x 40 mm x 17 mm (LxWxH)

Protection rating
IP 20

Interfaces
Connection: Sub-D socket, 9-pin
FO-cable:
- Polymeric-optical-fiber (POF), 650 nm
- Polymer-cladded-fiber (PCF), 650 nm

Permissble ambient conditions
Operating temperature: 0°C to +60°C

Article number	Article designation	PG-Interface	Diagnostic LEDs	PU
90° cable outlet				
For HFBR connector				
21700568	ED-PB-90-PG-FO-HFBR-650	yes	yes	1
For SMA connector				
21700569	ED-PB-90-PG-FO-SMA-650	yes	yes	1
For BFOC(ST) connector				
21700570	ED-PB-90-PG-FO-BFOC-650	yes	yes	1

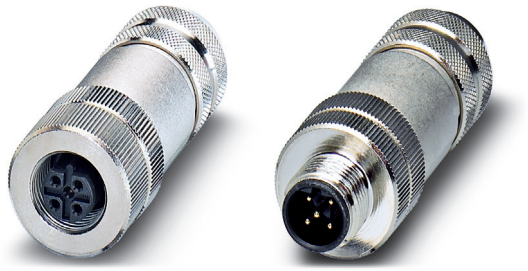
Applicable optical connectors (POF) included
Photographs are not to scale and do not represent detailed images of the respective products.
Note: For one optical link 2 modules are required

Accessories

- PCF Assembly Sets refer to page 302
- PCF Connector HFBR refer to page 301
- PCF Connector F-SMA and ST(BFOC) refer to page 301
- POF Assembly Sets refer to page 299
- POF Connector F-SMA and ST(BFOC) refer to page 297
- POF Connector SC-RJ refer to page 298

EPIC® DATA PB M12

Field mountable M12 BUS-connectors, shielded for PROFIBUS



Benefits

- Quick and easy on-site assembly
- For creating of individual cable lengths
- Cost efficient and rational wiring for BUS installations
- Space-saving due to compact dimensions

Product features

- Screened version
- Connector M12, B-coded
- PG9- / PG11-thread
- Screw connection

Suitable cables

- Bus system PROFIBUS-DP/FMS/FIP
- UNITRONIC® BUS PB M12 refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC002062
ETIM 5.0 Class-Description: Sensor-actuator connector

Material
Contact: CuSn
Contact surface: Au
Contact carrier: PA66
Sealing: NBR
Knurl: Nickel-plated brass
Gripping body: Zinc die-cast, nickel-plated

Protection rating
IP 67

Ambient temperature (operation)
Plug/socket -40°C to +85°C

Coding
B - inverse (PROFIBUS)

Rated current (A)
4 A

Article number	Article designation	Min. conductor cross-section, flexible, in mm²	Max. conductor cross-section, flexible, in mm²	Min. conductor cross-section AWG/kcmil	Max. conductor cross-section AWG/kcmil	Min. cable diameter (mm)	Max. cable diameter (mm)	PU
Plug, straight								
22260653	AB-C5-M12MSB-PG9-SH-AU	0.25	0.75	24	18	6	8.5	1
22262078	AB-C5-M12MSB-PG11-SH-AU	0.25	0.75	24	18	8	10	1
Socket, straight								
22260646	AB-C5-M12FSB-PG9-SH-AU	0.25	0.75	24	18	6	8.5	1
22260889	AB-C5-M12FSB-PG11-SH-AU	0.25	0.75	24	18	8	10	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® DATA PB M12/M12

PROFIBUS M12 control cabinet feed-through, shielded



Benefits

- M12 connector on both sides
- Plug & Play for flexible connection solutions

Application range

- Mechanical and plant engineering

Product features

- For PROFIBUS applications
- Bipolar/screw mounting

Product Make-up

- 5-pin control cabinet feed-through, M12 B-coded
- M12 plug on M12 socket
- Screened version

Suitable cables

- UNITRONIC® BUS PB M12 refer to main catalogue
- UNITRONIC® BUS PB M12-M12 refer to main catalogue

Suitable connectors

- EPIC® DATA PB M12 Page 268

Technical data

Classification
ETIM 5.0 Class-ID: EC002061
ETIM 5.0 Class-Description: Sensor-actuator connector chassis

Material
Contact: CuZn
Contact surface: Au (gold)
Contact carrier: PA 66
Knurl: Nickel-plated brass
Sealing: FKM

Protection rating
IP 67

Ambient temperature (operation)
Plug/socket
-25°C to +85°C

Coding
B - inverse (PROFIBUS)

Rated current (A)
4 A

Article number	Article designation	Number of pins	Rated voltage (V)	PU
Control cabinet feed through				
22262021	AB-C5-DSI-M12MSB-M12FSB-M16-SH	5	60	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® DATA PB TR M12

M12 Terminating resistor for PROFIBUS

Info

- Fully suitable for industrial use



Benefits

- Cost efficient termination of a bus systems
- Space-saving due to compact dimensions
- Robust design

Application range

- Mechanical and plant engineering

Product features

- 150 W terminating resistor for PROFIBUS

Product Make-up

- Straight connector M12 with integrated termination resistor
- Straight connector M12, with integrated termination resistor, shielded

Technical data

Classification
ETIM 5.0 Class-ID: EC000448
ETIM 5.0 Class-Description:
Terminal resistor

Protection rating
IP65/IP67 (plug)
IP 67 (socket)

Ambient temperature (operation)
-25 °C to +90 °C (plug)
-40 °C to +85 °C (socket)

Contact material
CuSn

Coding
B - inverse (PROFIBUS)

Rated current (A)
4 A

Article number	Article designation	Number of pins	Rated voltage (V)	PU
Plug, unshielded (terminating resistor)				
22260722	AB-C4-M12MS-PB-TR	4	60	5
Socket, shielded (terminating resistor)				
22261001	AB-C5-M12FS-PB-TR-SH	4	32	1

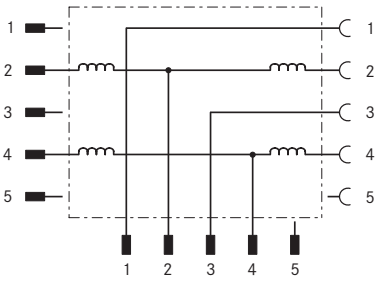
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® DATA PB M12T refer to page 270

EPIC® DATA PB M12T

M12 T distributor, shielded for PROFIBUS





Info

- Fully suitable for industrial use

Benefits

- Cost efficient and rational wiring for PROFIBUS installations
- Space-saving due to compact dimensions
- Robust design

Application range

- Mechanical and plant engineering

Product features

- For PROFIBUS stubs
- Screened version

Product Make-up

- 4-pin PROFIBUS T-connector
- M12 plug to M12 plug and M12 socket

Technical data

Classification
ETIM 5.0 Class-ID: EC002925
ETIM 5.0 Class-Description:
Sensor-actuator adapting connector

Material
Contact: CuSn
Contact surface: Ni/Au
Contact carrier: PUR
Knurl: Nickel-plated brass
Gripping body: PUR
Sealing: FKM

Protection rating
IP 67

Ambient temperature (operation)
Plug/socket
-25°C to +80°C

Coding
B - inverse

Rated current (A)
4 A

Article number	Article designation	Number of pins	Rated voltage (V)	PU
T distributor				
22260761	AB-C2-M12T-2XM12FS PB	4	60	1

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® DATA PB TR M12 refer to page 269

NEW

EPIC® DATA PB CCR

Cable coupler round, shielded for e.g. sensor /PROFIBUS /CAN cables



Benefits

- Time-saving assembly with IDC connection technology
- Optimum EMC protection with 360 ° shielding

Application range

- To extend existing cable systems
- Repairkit for damaged cables

Product features

- 5-pin cable coupler round
- Screened version

Suitable cables

- UNITRONIC® BUS PB
refer to main catalogue

Technical data

Material
Contact: CuZn
Contact surface: Ni/Au
Knurl: Zinc die-cast, nickel-plated
Gripping body: Zinc die-cast, nickel-plated

Protection rating
IP65/IP67

Ambient temperature (operation)
-40°C to +85°C

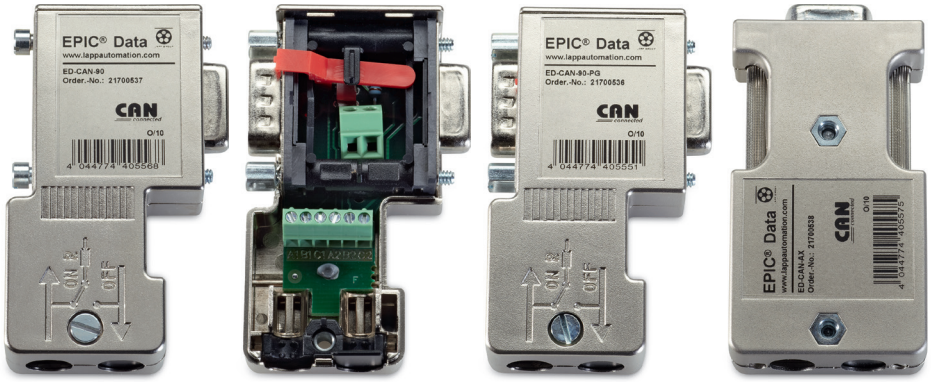
Rated current (A)
4 A

Article number	Article designation	Number of pins	Cross-section in mm²	Cable diameter in mm	Rated voltage (V)	PU
Cable coupler round						
21700641	AB-C5-CCR-SH	5	0,14 - 0,5	5 - 9,7	60	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® DATA CAN Sub-D

CAN Bus-Connectors with screw connection



Benefits

- Terminating resistor (integrated) can be switched
- Sensor/ ac
- No loose parts
- With additional 24 V DC output to supply external devices (90° version only)

Product features

- Max. transmission rate 1 Mbit/s possible
- Terminating resistor “ON” - the outbound bus cable is disconnected
- The integrated, connectable terminating resistor
  enable the CAN-Bus to be terminated or connected through
- Sub-D pin assignment:
  CAN Low = Pin 2
  CAN High = Pin 7
  CAN Gnd = Pin 3
  GND = Pin 6 (90° version only)
  CAN V+ = Pin 9 (90° version only)
  (shield = housing)

Norm references / Approvals

- UL File No. E331560

Product Make-up

- D-Sub plug, 9-pin, fixing screws 4-40 UNC
- Screw connection
- Improved electromagnetic compatibility (EMC) by metallized housing
- For cable outer diameter: 5 - 8 mm

Suitable cables

- Bus system CAN / DeviceNet

Suitable tools

- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set
  refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC001132
ETIM 5.0 Class-Description:
D-Sub connector

Dimensions
60 mm x 40 mm x 17 mm - 90°
67,5 mm x 35 mm x 17 mm - 180°
(LxWxH)

Connection type
Screwing

Protection rating
IP 20

Terminating resistor
120 W

Interfaces
CAN bus station:
D-Sub socket, 9-pin
CAN bus cable:
6 terminal blocks for wires up to 0.8 mm²

Permissble ambient conditions
Operating temperature:
-25°C to +85°C
*The max. temperature for UL is 60 °C.

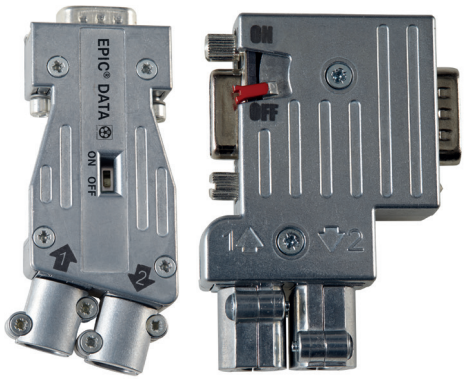
Article number	Article designation	Cable outlet	PG-Interface	PU
Sub-D connector				
21700537	ED-CAN-90	90°	no	1
21700536	ED-CAN-90-PG	90°	yes	1
21700538	ED-CAN-AX	180° axial	no	1

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DeviceNet CANopen

EPIC® DATA CAN Sub-D PRO

CAN Bus-Connectors full-metall



Info

- High EMC protection
- For cable diameters up to 10 mm

Benefits

- High flexibility by extended cable clamping range
- Cost-saving due to quick and easy installation
- Robust housing material for harsh environments
- For EMC critical environments

Product features

- Extended temperature range
- High mechnical strength (200 contact durability)
- Less transmission loss
- Bus termination is integrated
- Sub-D pin assignment:
  CAN Low = Pin 2
  CAN High = Pin 7
  CAN Gnd = Pin 3
  GND = Pin 6 (90° version only)
  CAN V+ = Pin 9 (90° version only)
  (shield = housing)

Product Make-up

- D-Sub plug, 9-pin, fixing screws 4-40 UNC
- 360° shielding due full-metall housing (ZnAl)
- External cable clamp connection (7 - 10 mm)
- 90° version: With additional Sub-D port for programming/diagnostic ('PG')
- 90° version: PG port with undetachable EMC Sub-D protection

Suitable cables

- UNITRONIC® DeviceNet THICK + THIN
  refer to main catalogue
- UNITRONIC® BUS CAN
  refer to main catalogue
- UNITRONIC® DeviceNet FD THICK+THIN
  refer to main catalogue
- UNITRONIC® BUS CAN FD P
  refer to main catalogue
- UNITRONIC® BUS CAN TRAY
  refer to main catalogue
- UNITRONIC® BUS CAN BURIAL
  refer to main catalogue

Suitable tools

- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set
  refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC001132
ETIM 5.0 Class-Description:
D-Sub connector

Dimensions
63 x 45 x 18 - 90°
81 x 36 x 15 - 180°
(LxWxH)

Connection type
Screwing

Protection rating
IP 30

Terminating resistor
120 W

Interfaces
CAN-Bus station:
D-SUB socket, 9-pin
CAN-Bus cable:
- srew terminals for wires
0.14 - 0.5 mm²

Permissble ambient conditions
Operating temperature:
-20°C to +70°C

Article number	Article designation	Cable outlet	PG-Interface	PU
Sub-D connector				
21700590	ED-CAN-90-PG-PRO	90°	yes	1
21700591	ED-CAN-AX-PRO	180° axial	no	1

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DeviceNet CiA CANopen

EPIC® DATA CAN M12

Field mountable M12 BUS-connectors shielded for DeviceNet/CANopen

Technical data

Connection type
Screwing

Material
Contact: CuSn
Contact surface: Au
Contact carrier: PA66
Sealing: NBR
Knurl: Nickel-plated brass
Gripping body: Zinc die-cast, nickel-plated

Protection rating
IP 67

Ambient temperature (operation)
Plug/socket -40°C to +85°C

Coding
A - Standard
(CANopen/DeviceNet/CC-Link)

Rated current (A)
4 A



Benefits

- Quick and easy on-site assembly
- For creating of individual cable lengths
- Cost efficient and rational wiring for BUS installations
- Space-saving due to compact dimensions

Product Make-up

- M12 plug, 5-pins, A-coded
- Screw connection
- PG9 thread
- Screened version

Article number	Article designation	Connection type	Number of pins	Cross-section in mm²	Cable diameter in mm	Rated voltage (V)	PU
Plug, straight							
22260135	AB-C5-M12MS-PG9-SH	screw	5	0.25 - 0.75	6.0 - 8.0	60	1
Socket, straight							
22260136	AB-C5-M12FS-PG9-SH	screw	5	0.25 - 0.75	6.0 - 8.0	60	1

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DeviceNet CANopen

EPIC® DATA CAN M12/M12

M12 control cabinet feed-through, shielded for CAN/DeviceNet/ S/A cabling

Technical data

Material
Contact: CuZn
Contact surface: Au (gold)
Contact carrier: PA 66
Knurl: Nickel-plated brass
Sealing: FKM

Protection rating
IP 67

Ambient temperature (operation)
Plug/socket
-25°C to +85°C

Coding
A - Standard
(CANopen/DeviceNet/CC-Link)

Rated current (A)
4 A



Benefits

- M12 connector on both sides
- Plug & Play for flexible connection solutions

Product features

- For CANopen/DeviceNet applications
- For sensor/actuator cabling
- Bipolar/screw mounting

Product Make-up

- 5-pin control cabinet feed-through, M12 A-coded
- M12 plug on M12 socket
- Screened version

Article number	Article designation	Number of pins	Rated voltage (V)	PU
Control cabinet feed through				
22262020	AB-C5-DSI-M12MS-M12FS-M16-SH	5	24	1

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EPIC® DATA CAN TR M12

M12 Terminating resistor for DeviceNet/CANopen



Benefits

- Cost efficient termination of a bus systems
- Space-saving due to compact dimensions
- Robust design

Application range

- Mechanical and plant engineering

Product features

- 120 W terminating resistor for DeviceNet/ CANopen

Product Make-up

- Straight connector M12 with integrated termination resistor

Info

- Fully suitable for industrial use

Technical data

Classification
ETIM 5.0 Class-ID: EC000448
ETIM 5.0 Class-Description:
Terminal resistor

Protection rating
IP65/IP67

Ambient temperature (operation)
-25°C to +90°C

Contact material
CuSn

Coding
A - Standard (CANopen/DeviceNet)

Rated current (A)
4 A

Article number	Article designation	Number of pins	Rated voltage (V)	PU
Plug, unshielded (terminating resistor)				
22260766	AB-C5-M12MS-DN-TR	5	60	5

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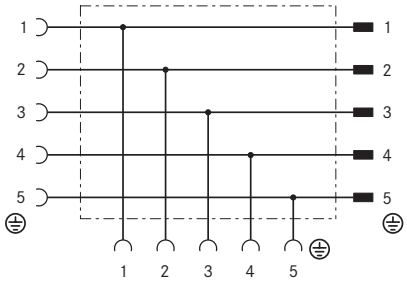
Accessories

- EPIC® DATA CAN M12T refer to page 274

EPIC® DATA CAN M12T

M12 T parallel distributor for CAN/ DeviceNet/ S/A cabling





Benefits

- Cost-effective, efficient wiring of fieldbus and sensor/ actuator installations
- Space-saving due to compact dimensions
- Robust design

Product features

- For CANopen/DeviceNet applications
- PWIS-free

Product Make-up

- 5-pin parallel distributor
- M12 socket on M12 plug and M12 socket

Technical data

Classification
ETIM 5.0 Class-ID: EC002925
ETIM 5.0 Class-Description:
Sensor-actuator adapting connector

Material
Contact: CuZn
Contact surface: Ni/Au
Contact carrier: TPU GF
Knurl: Zinc die-cast, nickel-plated
Gripping body: TPU, flame-retardant, self-extinguishing
Sealing: NBR

Protection rating
IP65/IP67

Ambient temperature (operation)
Plug/socket -25°C to +90°C

Coding
A - Standard
(CANopen/DeviceNet/CC-Link)

Rated current (A)
4 A

Article number	Article designation	Number of pins	Rated voltage (V)	PU
T distributor				
22260765	AB-C5-M12T-2XM12FS DN	5	60	5

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DeviceNet CANopen

NEW

EPIC® DATA CAN CCR

Cable coupler round, shielded for e.g. sensor /PROFIBUS /CAN cables



Benefits

- Time-saving assembly with IDC connection technology
- Optimum EMC protection with 360 ° shielding

Application range

- To extend existing cable systems
- Repairkit for damaged cables

Product features

- 5-pin cable coupler round
- Screened version

Technical data

Classification
ETIM 5.0 Class-ID: EC002062
ETIM 5.0 Class-Description: Sensor-actuator connector

Material
Contact: CuZn
Contact surface: Ni/Au
Knurl: Zinc die-cast, nickel-plated
Gripping body: Zinc die-cast, nickel-plated

Protection rating
IP65/IP67

Ambient temperature (operation)
-40°C to +85°C

Rated current (A)
4 A

Article number	Article designation	Number of pins	Cross-section in mm²	Cable diameter in mm	Rated voltage (V)	PU
Cable coupler round						
21700641	AB-C5-CCR-SH	5	0.14 - 0.50	5.0 - 9.7	60	1

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Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SENSOR M8

Field mountable connectors M8



Benefits

- Easy connection with proven srew clamp connection
- For creating of individual cable lengths
- Quick and easy on-site assembly
- No special tools required for connecting the cables
- Time-saving assembly with IDC connection technology

Product features

- 3 and 4-pin version
- Version with piercing, insulation displacement contacts (IDC) or screw connection
- PWIS-free

Suitable cables

- UNITRONIC® SENSOR
  refer to main catalogue
- UNITRONIC® SENSOR FD
  refer to main catalogue
- UNITRONIC® ROBUST S/A FD
  refer to main catalogue

Technical data

Classification
ETIM 5.0 Class-ID: EC002062
ETIM 5.0 Class-Description:
Sensor-actuator connector

Material
Contact: CuZn
Contact surface: Au (gold)

Protection rating
IP 65/IP 67 (IDC)
IP 68 (piercing)
IP 67 (screw)

Ambient temperature (operation)
Plug/socket
-25°C to +80°C (IDC)
-25°C to +85°C (piercing)
-40°C to +85°C (screw)

Coding
A-standard

Rated current (A)
4 A

Article number	Article designation	Number of pins	Connection type	Cross-section in mm²	Cable diameter in mm	Rated voltage (V)	PU
Plug, straight							
22260993	AB-C3-M8MS-F0,25	3	IDC	0.08 - 0.25	2.5 - 5	60	1
22260985	AB-C3-M8MS-F0,5	3	IDC	0.25 - 0.5	2.5 - 5	60	1
22260043	AB-C4-M8MS-F0,25	4	IDC	0.08 - 0.25	2.5 - 5	30	1
22260044	AB-C4-M8MS-F0,5	4	IDC	0.25 - 0.5	2.5 - 5	30	1
22260122	AB-C3-M8MS-P	3	Piercing	0.14 - 0.38	3 - 5	60	1
22260123	AB-C4-M8MS-P	4	Piercing	0.14 - 0.38	3 - 5	30	1
22260120	AB-C3-M8MS	3	screw	0.14 - 0.5	3.5 - 5	60	1
22260121	AB-C4-M8MS	4	screw	0.14 - 0.5	3.5 - 5	30	1
Plug, straight shielded							
22262025	AB-C3-M8MS-M-0,34-SH	3	screw	0.14 - 0.5	3.5 - 5.5	60	1
22262027	AB-C4-M8MS-M-0,34-SH	4	screw	0.14 - 0.5	3.5 - 5	30	1
Plug, angled							
22262110	AB-C3-M8MA	3	screw	0.14 - 0.5	3.5 - 5	60	1
22262111	AB-C4-M8MA	4	screw	0.14 - 0.5	3.5 - 5	30	1
Socket, straight							
22260994	AB-C3-M8FS-F0,25	3	IDC	0.08 - 0.25	2.5 - 5	60	1
22260986	AB-C3-M8FS-F0,5	3	IDC	0.25 - 0.5	2.5 - 5	60	1
22260045	AB-C4-M8FS-F0,25	4	IDC	0.08 - 0.25	2.5 - 5	30	1
22260046	AB-C4-M8FS-F0,5	4	IDC	0.25 - 0.5	2.5 - 5	30	1
22260124	AB-C3-M8FS-P	3	Piercing	0.14 - 0.38	3 - 5	60	1
22260119	AB-C4-M8FS-P	4	Piercing	0.14 - 0.38	3 - 5	30	1
22260125	AB-C3-M8FS	3	screw	0.14 - 0.5	3.5 - 5	60	1
22260126	AB-C4-M8FS	4	screw	0.14 - 0.5	3.5 - 5	30	1
Socket, straight shielded							
22262026	AB-C3-M8FS-M-0,34-SH	3	screw	0.14 - 0.5	3.5 - 5.5	60	1
22262028	AB-C4-M8FS-M-0,34-SH	4	screw	0.14 - 0.5	3.5 - 5.5	30	1
Socket, angled							
22262112	AB-C3-M8FA	3	screw	0.14 - 0.5	3.5 - 5	60	1
22262113	AB-C4-M8FA	4	screw	0.14 - 0.5	3.5 - 5	30	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SENSOR Flush-type M8



Benefits

- Flexible connection solutions for individual device concepts
- Simple installation in devices (e.g. cabinet)

Application range

- Connection of enclosures and cabinets

Product features

- M8 fastening thread
- Designs for front mounting
- PWIS-free

Product Make-up

- TPE single strands, l = 0.5 m
- Core cross section: 0.25 mm²

Technical data

Classification
ETIM 5.0 Class-ID: EC002061
ETIM 5.0 Class-Description:
Sensor-actuator connector chassis

Material
Contact: CuSn
Contact surface: Ag

Protection rating
IP 67

Ambient temperature (operation)
Plug/socket
-25°C to +85°C

Coding
A-standard

Rated current (A)
4 A

Article number	Article designation	Number of pins	Rated voltage (V)	PU
Panel-mount connector male				
22260100	AB-C3-M8MS-0,5	3	60	1
22260101	AB-C4-M8MS-0,5	4	30	1
Panel-mount connector female				
22260102	AB-C3-M8FS-0,5	3	60	1
22260103	AB-C4-M8FS-0,5	4	30	1

Copper price basis: inclusive of copper. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Matching fitting nut: 22260104

EPIC® SENSOR M12

Field mountable connectors M12







Benefits

- For creating of individual cable lengths
- Quick and easy on-site assembly
- No special tools required for connecting the cables
- Time-saving assembly with IDC connection technology
- Easy connection with proven srew clamp connection

Product features

- 4, 5 and 8-pin version
- Screened and non-screened version
- Screw connection or insulation displacement contacts (IDC)
- PWIS-free

Technical data

Classification
ETIM 5.0 Class-ID: EC002062
ETIM 5.0 Class-Description:
Sensor-actuator connector

Material
Contact: CuZn
Contact surface: CuSnZn

Protection rating
IP 65/IP 67 (IDC)
IP 67 (screw)

Ambient temperature (operation)
Plug/socket
-25°C to +80°C (IDC)
-40°C to +85°C (screw)

Coding
A-standard

Rated current (A)
4 A
2 A (8-pin)

Article number	Article designation	Number of pins	Connection type	Cross-section in mm²	Cable diameter in mm	Rated voltage (V)	PU
Plug, straight							
22260132	AB-C4-M12MS-F0,34	4	IDC	0.14 - 0.34	3.5 - 6	125	1
22260134	AB-C4-M12MS-F0,75	4	IDC	0.34 - 0.75	4 - 8	250	1
22260649	AB-C4-M12MS-PG7	4	screw	0.25 - 0.75	4 - 6	250	1
22260995	AB-C4-M12MS-PG9	4	screw	0.25 - 0.75	6 - 8	250	1
22260129	AB-C5-M12MS-PG7	5	screw	0.25 - 0.75	4 - 6	60	1
22260651	AB-C5-M12MS-PG9	5	screw	0.25 - 0.75	6 - 8	60	1
22260996	AB-C5-M12MS-PG9-SKINTOP®	5	screw	0.25 - 0.75	6 - 8	60	1
Plug, straight shielded							
22260135	AB-C5-M12MS-PG9-SH	5	screw	0.25 - 0.75	6 - 8	60	1
22260825	AB-C8-M12MS-PG9-SH	8	screw	0.25 - 0.75	6 - 8	30	1
Plug, angled							
22260647	AB-C4-M12MA-PG7	4	screw	0.25 - 0.75	4 - 6	250	1
22260130	AB-C5-M12MA-PG7	5	screw	0.25 - 0.75	4 - 6	60	1
22260648	AB-C5-M12MA-PG9	5	screw	0.25 - 0.75	6 - 8	60	1
22262023	AB-C5-M12MA-PG9-SKINTOP®	5	screw	0.25 - 0.75	6 - 8	60	1
Plug angled, shielded							
22262108	AB-C5-M12MA-PG7-SH	5	screw	0.25 - 0.75	4 - 6	60	1
Socket, straight							
22260131	AB-C4-M12FS-F0,34	4	IDC	0.14 - 0.34	3.5 - 6	125	1
22260133	AB-C4-M12FS-F0,75	4	IDC	0.34 - 0.75	4 - 8	250	1
22260640	AB-C4-M12FS-PG7	4	screw	0.25 - 0.75	4 - 6	250	1
22260641	AB-C4-M12FS-PG9	4	screw	0.25 - 0.75	6 - 8	250	1
22260127	AB-C5-M12FS-PG7	5	screw	0.25 - 0.75	4 - 6	60	1
22260644	AB-C5-M12FS-PG9	5	screw	0.25 - 0.75	6 - 8	60	1
22260997	AB-C5-M12FS-PG9-SKINTOP®	5	screw	0.25 - 0.75	6 - 8	60	1
Socket, straight shielded							
22260136	AB-C5-M12FS-PG9-SH	5	screw	0.25 - 0.75	6 - 8	60	1
22260826	AB-C8-M12FS-PG9-SH	8	screw	0.25 - 0.75	6 - 8	30	1
Socket, angled							
22260636	AB-C4-M12FA-PG7	4	screw	0.25 - 0.75	4 - 6	250	1
22260128	AB-C5-M12FA-PG7	5	screw	0.25 - 0.75	4 - 6	60	1
22260638	AB-C5-M12FA-PG9	5	screw	0.25 - 0.75	6 - 8	60	1
22262024	AB-C5-M12FA-PG9-SKINTOP®	5	screw	0.25 - 0.75	6 - 8	60	1
Socket angled, shielded							
22262109	AB-C5-M12FA-PG7-SH	5	screw	0.25 - 0.75	4 - 6	60	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SENSOR M12 V4A

Field mountable connectors M12 for Food & Beverage/ Outdoor



Technical data

Classification
ETIM 5.0 Class-ID: EC002062
ETIM 5.0 Class-Description:
Sensor-actuator connector

Material
Contact: CuZn
Contact surface: Au (gold)
Knurl: Stainless steel (V4A)

Protection rating
IP 67

Ambient temperature (operation)
Plug/socket -40°C to +85°C

Coding
A-standard

Rated current (A)
4 A

Benefits

- Stainless steel knurl to ensure protection against corrosion
- Quick and easy on-site assembly
- For creating of individual cable lengths
- Space-saving due to compact dimensions
- Easy connection with proven srew clamp connection

Application range

- Automation systems
- Conveyor and transport systems
- Food production and packaging machinery
- Version SKINTOP® for Outdoor applications

Product features

- 4-pin connector
- Screw connection
- PWIS-free

Article number	Article designation	Number of pins	Cross-section in mm²	Cable diameter in mm	Rated voltage (V)	PU
Plug, straight						
22262049	AB-C4-M12MS-PG7-VA	4	0.25 - 0.75	4 - 6	250	1
22262123	AB-C4-M12MS-PG7-VA-SKINTOP	4	0.25 - 0.75	4.0 - 6.5	250	1
Socket, straight						
22262050	AB-C4-M12FS-PG7-VA	4	0.25 - 0.75	4 - 6	250	1
22262124	AB-C4-M12FS-PG7-VA-SKINTOP	4	0.25 - 0.75	4.0 - 6.5	250	1
Socket angled						
22262051	AB-C4-M12FA-PG7-VA	4	0.25 - 0.75	4 - 6	250	1

Photographs are not to scale and do not represent detailed images of the respective products.

DeviceNet CANopen

EPIC® SENSOR M12/M12

M12 control cabinet feed-through, shielded for CAN/DeviceNet/ S/A cabling



Technical data

Classification
ETIM 5.0 Class-ID: EC002061
ETIM 5.0 Class-Description:
Sensor-actuator connector chassis

Material
Contact: CuZn
Contact surface: Au (gold)
Contact carrier: PA 66
Knurl: Nickel-plated brass
Sealing: FKM

Protection rating
IP 67

Ambient temperature (operation)
Plug/socket
-25°C to +85°C

Coding
A - Standard
(CANopen/DeviceNet/CC-Link)

Rated current (A)
4 A

Benefits

- Plug & Play for flexible connection solutions
- M12 connector on both sides

Product features

- For CANopen/DeviceNet applications
- For sensor/actuator cabling
- Bipolar/screw mounting

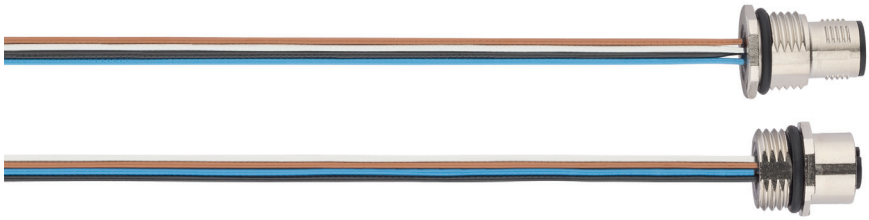
Product Make-up

- 5-pin control cabinet feed-through, M12 A-coded
- M12 plug on M12 socket
- Screened version

Article number	Article designation	Number of pins	Rated voltage (V)	PU
Control cabinet feed through				
22262020	AB-C5-DSI-M12MS-M12FS-M16-SH	5	24	1

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SENSOR Flush-type M12



Benefits

- Flexible connection solutions for individual device concepts
- Simple installation in devices (e.g. cabinet)
- Outside plugable with M12 connection, inside housing connected with fixed wires

Application range

- Connection of enclosures and cabinets

Product features

- With M12, M16 or PG9 fastening thread
- Designs for front and rear wall-mounting
- M12 connector, A-coded with quick-locking system
- PWIS-free
- Rear wall-mounting versions inclusive fitting nut

Norm references / Approvals

- UL File Number: E249137

Product Make-up

- TPE single strands, l = 0.5 m
- Wire cross-section: 0,34 mm²

Technical data

Classification
ETIM 5.0 Class-ID: EC002061
ETIM 5.0 Class-Description:
Sensor-actuator connector chassis

Material
Contact: CuZn
Contact surface: Au (gold)

Protection rating
IP 67

Ambient temperature (operation)
Plug/socket
-25°C to +85°C

Coding
A-standard

Rated current (A)
4 A

Article number	Article designation	Number of pins	Fastening thread	Rated voltage (V)	PU
Plug for front-mounting					
22260108	AB-C4-M12MS-M16-0,5	4	M16	250	1
22260106	AB-C5-M12MS-M16-0,5	5	M16	60	1
22260083	AB-C4-M12MS-M16-PO-0,5	4	M16 positionable	250	1
22260084	AB-C5-M12MS-M16-PO-0,5	5	M16 positionable	60	1
22260113	AB-C4-M12MS-PG9-0,5	4	PG9	250	1
22260112	AB-C5-M12MS-PG9-0,5	5	PG9	60	1
22260087	AB-C4-M12MS-PG9-PO-0,5	4	PG9 positionable	250	1
22260088	AB-C5-M12MS-PG9-PO-0,5	5	PG9 positionable	60	1
Plug for rear-mounting					
22260999	AB-C4-DSI-M12MS-M12-0,5	4	M12	250	1
22260117	AB-C4-DSI-M12MS-PG9-0,5	4	PG9	250	1
22260115	AB-C5-DSI-M12MS-PG9-0,5	5	PG9	60	1
Socket for front-mounting					
22260107	AB-C4-M12FS-M16-0,5	4	M16	250	1
22260105	AB-C5-M12FS-M16-0,5	5	M16	60	1
22260085	AB-C4-M12FS-M16-PO-0,5	4	M16 positionable	250	1
22260086	AB-C5-M12FS-M16-PO-0,5	5	M16 positionable	60	1
22260114	AB-C4-M12FS-PG9-0,5	4	PG9	250	1
22260111	AB-C5-M12FS-PG9-0,5	5	PG9	60	1
22260089	AB-C4-M12FS-PG9-PO-0,5	4	PG9 positionable	250	1
22260090	AB-C5-M12FS-PG9-PO-0,5	5	PG9 positionable	60	1
Socket for rear-mounting					
22260118	AB-C4-DSI-M12FS-PG9-0,5	4	PG9	250	1
22260116	AB-C5-DSI-M12FS-PG9-0,5	5	PG9	60	1

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: inclusive of copper. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

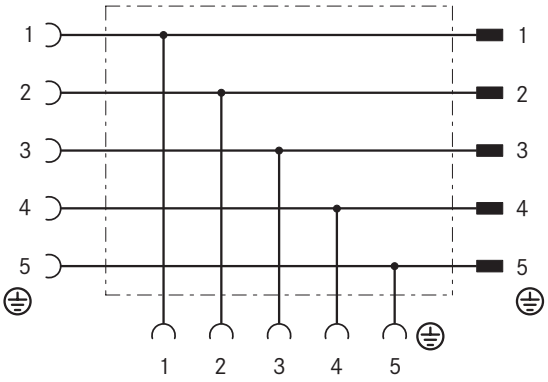
- Matching fitting nut: 22261062 (M12), 52003500 (PG9), 22260110 (M16)

DeviceNet CANopen

EPIC® SENSOR M12T

M12 T parallel distributor for CAN/ DeviceNet/ S/A cabling





Benefits

- Cost-effective, efficient wiring of fieldbus and sensor/ actuator installations
- Space-saving due to compact dimensions
- Robust design

Product features

- PWIS-free

Product Make-up

- 5-pin parallel distributor
- M12 socket on M12 plug and M12 socket

Technical data

Material
Contact: CuZn
Contact surface: Ni/Au
Contact carrier: TPU GF
Knurl: Zinc die-cast, nickel-plated
Gripping body: TPU, flame-retardant, self-extinguishing
Sealing: NBR

Protection rating
IP65/IP67

Ambient temperature (operation)
Plug/socket -25°C to +90°C

Coding
A - Standard
(CANopen/DeviceNet/CC-Link)

Rated current (A)
4 A

Article number	Article designation	Number of pins	Rated voltage (V)	PU
T distributor				
22260765	AB-C5-M12T-2XM12FS DN	5	60	5

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

DeviceNet CANopen

EPIC® SENSOR CCR

Cable coupler round, shielded for e.g. sensor /PROFIBUS /CAN cables



Benefits

- Optimum EMC protection with 360 ° shielding
- Time-saving assembly with IDC connection technology

Application range

- To extend existing cable systems
- Repairkit for damaged cables

Product features

- 5-pin cable coupler round
- Screened version

Technical data

Material
Contact: CuZn
Contact surface: Ni/Au
Knurl: Zinc die-cast, nickel-plated
Gripping body: Zinc die-cast, nickel-plated

Protection rating
IP65/IP67

Ambient temperature (operation)
-40°C to +85°C

Rated current (A)
4 A

Article number	Article designation	Number of pins	Cross-section in mm²	Cable diameter in mm	Rated voltage (V)
Cable coupler round					
21700641	AB-C5-CCR-SH	5	0,14 - 0,50	5,0 - 9,7	60

DeviceNet is a registered trademark of ODVA
Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® SENSOR M8Y | M12Y

Y distributor M8 | M12



Benefits

- Cost-saving due to quick and easy installation
- Space-saving due to compact dimensions
- Fast and easy error tracking

Product features

- Design: Plug on 2x socket
- M12 design with screw hole
- PWIS-free

Product Make-up

- 22260600:
  M12, 3-pin+ PE, straight M12 plug on 2x straight M12 socket, pin 2+4 bridged
- 22260601:
  M12, 3-pin+ PE, straight M12 plug on 2x straight M12 socket
- 22260602:
  M12, 5-pin straight M12 plug on 2x 3-pin straight M8 socket, parallel distributor
- 22260603:
  M8, 4-pin M8 plug on 2x 3pin M8 socket
- 22260604:
  M8 plug on M8 socket, 3-pin parallel distributor

Technical data

Classification
ETIM 5.0 Class-ID: EC002925
ETIM 5.0 Class-Description:
Sensor-actuator adapting connector

Material
Contact: CuZn
Contact surface: Ni/Au
Knurl: Zinc die-cast, nickel-plated
Gripping body: TPU, flame-retardant, self-extinguishing

Protection rating
IP65/IP67

Ambient temperature (operation)
Plug/socket -25°C to +90°C

Coding
A-standard

Rated current (A)
4 A
3 A (M8)

Article number	Article designation	Rated voltage (V)	PU
M12 Y distributor			
22260600	AB-C3-M12Y-2XM12FS B E	60	5
22260601	AB-C3-M12Y-2XM12FS E	60	5
22260602	AB-C5-M12Y-2XM12FS V	60	5
M8 Y distributor			
22260603	AB-C3-M8Y-2XM8FS	30	5
22260604	AB-C3-M8Y-2XM8FS V	60	5

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® POWER M12 60V / EPIC® POWER M12 60V flush-type connectors

Field mountable M12 POWER connectors

Info

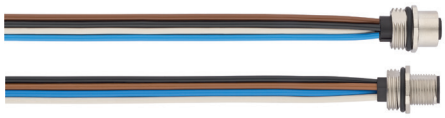
- DC high-power connector
  - 60 VDC / 12 A



EPIC® POWER M12 60V



EPIC® POWER M12 60V flush-type connectors



Benefits

- Compact and standardized M12 design saves space and costs
- Fault proof connection through M12 T coding of the connector face
- Low voltage drop
- Safety use in field environment by high protection class

Application range

- Power Supply for small devices
- Tool shop
- Wiring of machines, tools, devices, appliances and control cabinets
- Suitable for use in measuring, control and regulating circuits

Product features

EPIC® POWER M12 60V

- Robust M12 circular connector with screw connection and knurled srew
- Screw-locking connection, to be connected to different conductor
- For conductor cross-section 0.75 - 1.5 mm² (AWG 18 - AWG 16)

EPIC® POWER M12 60V flush-type connectors

- Designs for front mounting
- Flush type connector with M16 thread and preharnessed wires
- Flush-type connector with M20 thread with screw contacts
- Contact durability: > 100

Norm references / Approvals

- UL File Number: E249137

Product Make-up

EPIC® POWER M12 60V flush-type connectors

- PVC single stranded wires, l = 0.2 m (4x AWG16)
- 4-pin: bn (1), wh (2), bu (3), bk (4)
- High quality gold-plated contacts
- For screw contacts: 0,75 mm² - 1,5 mm² (AWG 18 - AWG 16)

Suitable cables

EPIC® POWER M12 60V

- ÖLFLEX® FD 855 P refer to main catalogue
- (ÖLFLEX® FD 855 P: Example for harsh conditions)

EPIC® POWER M12 60V flush-type connectors

- ÖLFLEX® FD 855 P refer to main catalogue
- (MULTI-STANDARD SC 2.1.: Example for panel mount connectors with screw terminals)

Suitable connectors

EPIC® POWER M12 60V flush-type connectors

- EPIC® POWER M12 60V Page 283

Technical data

Classification
EPIC® POWER M12 60V
ETIM 5.0 Class-ID: EC002062
ETIM 5.0 Class-Description: Sensor-actuator connector
EPIC® POWER M12 60V flush-type connectors
ETIM 5.0 Class-ID: EC002061
ETIM 5.0 Class-Description: Sensor-actuator connector chassis

Material
EPIC® POWER M12 60V
Contact: CuZn
Contact surface: Au (gold)
Knurl: Zinc die-cast, nickel-plated
Gripping body: PA
EPIC® POWER M12 60V flush-type connectors
Contact: CuZn
Contact surface: Au (gold)

Protection rating
IP 67

Ambient temperature (operation)
Plug/socket -40 °C to +85 °C

Coding
T - Power

Rated current (A)
12 A

Article number	Article designation	Design	Number of pins	Cable diameter in mm	Rated voltage (V)	PU
EPIC® POWER M12 60V						
Plug						
22262010	AB-C4-M12MST-PG11	straight	4	8.0 - 10.0	60	1
22262012	AB-C4-M12MAT-PG11	angled	4	8.0 - 10.0	60	1
Socket						
22262011	AB-C4-M12FST-PG11	straight	4	8.0 - 10.0	60	1
22262013	AB-C4-M12FAT-PG11	angled	4	8.0 - 10.0	60	1
EPIC® POWER M12 60V flush-type connectors, male						
Screw connection						
22262014	AB-C4-M12MST-M20-PO	M20 thread	4		60	1
With PVC single cores						
22262016	AB-C4-M12MST-M16-0,2	M16 thread	4		60	1
EPIC® POWER M12 60V flush-type connectors, female						
Screw connection						
22262015	AB-C4-M12FST-M20-PO	M20 thread	4		60	1
With PVC single cores						
22262017	AB-C4-M12FST-M16-0,2	M16 thread	4		60	1

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

EPIC® POWER M12 60V flush-type connectors

- SKINDICHT® SM-M refer to main catalogue



EPIC® DATA Connectors for industrial Ethernet systems

In recent years, data communication systems based on Ethernet technology have become increasingly prevalent in industrial applications. The advantages of this are clear: with Ethernet technology, the fields of industrial machinery and plant engineering benefit from innovations from the IT sector. Simple interconnection via the internet becomes possible. The networks that can be created are practically limitless, when compared to the fieldbuses previously employed, and the complexity resulting from multiple, incompatible fieldbus systems is reduced.

To prevent failures, downtimes and quality issues, you can rely on the integrated, high-quality cabling and connection systems offered by the Lapp Group. Our wide range of EPIC® data connectors is subjected to stringent checks in our test centre and laboratory. Do you require Ethernet connectors to suit exacting requirements, covering a diverse range of applications, suitable for harsh environmental conditions or with international approval?

Our range includes the perfect Ethernet connector for any industrial application – be it the RJ45 commonly used in offices or the M12 that has become standard in industrial environments. Thanks to the user organisations for industrial communication systems such as PROFINET®, ETHERCAT® and EtherNet/IPTM, various connectors have been standardised. Our connector solutions support system-compliant network creation. Ethernet connectors from Cat.5 to Cat.6A enable data rates of up to 10Gbit/s.

Lapp ensures that every connector can be easily attached to the corresponding cable – without the use of special tools where possible. When connectors need to be routed through a control cabinet wall, panel feed-throughs with an IP67 protection rating are an ideal solution. This enables the creation of continuous Ethernet cabling from the devices in the control cabinet up to the field devices. If you do not wish to establish your own connections, but instead require a robust, fully assembled connection solution, you can use our ETHERLINE® preassembled cables with extruded connectors.

Connectors for Ethernet technology at a glance

No.	Cable type	Max. Ø-cable	Category	Core dimension	Article designation	Article number	Page	
RJ45 male connector								
1	flexible	5.8 mm	Cat.5	AWG26	RJ45 connector TM11 Hirose, beige	CE6321	292	
2	flexible	5.72 mm	Cat.5	AWG26	RJ45 Steckverbinder Stewart, grey	CE6323	292	
3	solid + flexible	6.6 mm	Cat.6	AWG27 – 24	RJ45 connector TM21 Hirose, beige	CE6324	293	
4	solid + flexible	8 mm	Cat.5e	AWG26 – 22	RJ45 connector FM45	21700540	292	
5	solid + flexible	9 mm	Cat.6_A	solid: AWG24 – 22 flexible: AWG27 – 22	RJ45-connector, straight, Cat.6_A TIA568A ED-IE-AX-6A-A-20-FC	21700600	287	
6	solid + flexible	9 mm	Cat.6_A	solid: AWG26 – 24 flexible: AWG27 - 24	RJ45-connector, straight, Cat.6_A TIA568A ED-IE-AX-6A-A-20-FD-FC	21700615	287	
7	solid + flexible	10 mm	Cat.6_A	solid: AWG24 – 22 flexible: AWG27 – 22	RJ45-connector, angled, Cat.6_A TIA568A ED-IE-90-6A-A-20-FC	21700636	288	
8	solid + flexible	10 mm	Cat.6_A	solid: AWG26 - 24 flexible: AWG27 - 24	RJ45-connector, angled, Cat.6_A TIA568A ED-IE-90-6A-A-20-FD-FC	21700639	288	
9	solid + flexible	9 mm	Cat.6_A	solid: AWG26 - 24 flexible: AWG27 - 24	RJ45-connector, straight, Cat.6_A TIA568B ED-IE-AX-6A-B-20-FC	21700601	287	
10	solid + flexible	9 mm	Cat.6_A	solid: AWG24 – 22 flexible: AWG27 – 22	RJ45-connector, straight, Cat.6_A TIA568B ED-IE-90-6A-B-20-FD-FC	21700616	287	
11	solid + flexible	10 mm	Cat.6_A	solid: AWG26 - 24 flexible: AWG27 - 24	RJ45-connector, angled, Cat.6_A TIA568B ED-IE-90-6A-B-20-FC	21700637	288	
12	solid + flexible	10 mm	Cat.6_A	solid: AWG24 – 22 flexible: AWG27 – 22	RJ45-connector, angled, Cat.6_A TIA568B ED-IE-90-6A-B-20-FD-FC	21700640	288	
13	solid + flexible	9 mm	Cat.6_A	solid: AWG24 – 22 flexible: AWG27 – 22	Circular connector IP68 (incl. 21700601) ED-IE-AX-RJ45-6A-B-68-FC	21700630	289	
14	solid + flexible	9 mm	Cat.5e	solid: AWG24 – 22 flexible: AWG27 – 22	RJ45-connector, straight, Cat.5e, PROFINET® ED-IE-AX-5-PN-20-FC	21700605	286	
15	solid + flexible	10 mm	Cat.5e	solid: AWG24 – 22 flexible: AWG27 – 22	RJ45 connector, angled, Cat.5e, PROFINET® ED-IE-90-6A-PN-20-FC	21700638	286	
M12 male connector								
16	solid + flexible	9.7 mm	Cat.5e	AWG26 – 22	M12 D-coded, Cat.5e, PROFINET® ED-IE-AX-M12D-5-PN-67-FC	21700647	290	
17	solid + flexible	6.3 mm	Cat.5e	AWG26 – 22	M12 D-coded, Cat.5e TIA568B ED-IE-AX-M12D-5-67	21700648	290	
18	solid + flexible	9.7 mm	Cat.6_A	solid: AWG24 – 22 flexible: AWG27 – 22	M12 X-coded, Cat.6_A TIA568B ED-IE-AX-M12X-6A-67-FC	21700602	290	
19	solid + flexible	6.3 mm	Cat.6_A	solid: AWG24 – 22 flexible: AWG27 – 22	M12 X-coded, Cat.6_A TIA568B ED-IE-AX-M12X-6A-67-FC-S	21700644	290	
M12 female connector								
20	flexible	8 mm	Cat.5e	AWG26 – 22	M12 D-coded, Cat.5e TIA568B AB-C4-M12FSD-SH	22261016	290	
21	solid + flexible	9.7 mm	Cat.6_A	solid: AWG24-22 flexible: AWG27-22	M12 X-coded, Cat.6_A TIA568B ED-IE-AX-M12XF-6A-67-FC	21700621	290	
22	solid + flexible	6.3 mm	Cat.6_A	solid: AWG24-22 flexible: AWG27-22	M12 X-coded, Cat.6_A TIA568B ED-IE-AX-M12XF-6A-67-FC-S	21700645	290	
23	solid + flexible	9.7 mm	Cat.6_A	solid: AWG24-22 flexible: AWG27-22	M12 X-coded, for rear-mounitng, Cat.6_A TIA568B ED-IE-AX-M12XF-RM-6A-67-FC	21700622	290	
24	solid + flexible	6.3 mm	Cat.6_A	solid: AWG24-22 flexible: AWG27-22	M12 X-coded, for rear-mounitng, Cat.6_A TIA568B ED-IE-AX-M12XF-RM-6A-67-FC-S	21700646	290	
Cable coupler								
25	solid + flexible	9.7 mm	Cat.7_A	AWG26 – 22	Cable coupler round EPIC® DATA CCR FA	21700623	291	
RJ45 female connector								
26	solid	–	Cat.6	AWG24 – 22	LANmark-6 EVO 250 MHz Snap-In connector	62104	*	
27	flexible	–	Cat.6	AWG26	LANmark-6 EVO 250MHz Snap-In for AWG26	62105	*	
28	solid	–	Cat.6_A	AWG24 – 22	LANmark-6 EVO 10 G Snap-In connector	62106	*	
29	solid + flexible	5 – 9 mm	Cat.6_A	AWG27 – 22	RJ45 connector, Cat.6_A TIA568A ED-IE-AX-RJ45F-6A-A-FC	21700611	288	
30	solid + flexible	5 – 9 mm	Cat.6_A	AWG27 – 22	RJ45 connector, straight, Cat.6_A TIA568B ED-IE-AX-RJ45F-6A-B-FC	21700612	288	
31	solid + flexible	9 mm	Cat.6_A	solid: AWG24 – 22 flexible: AWG27 – 22	Circular bulkhead housing IP68 (incl. 21700612), ED-IE-RJ45F-6A-B-68-FC	21700632	289	
32	solid + flexible	–	Cat.6	AWG24 – 22	Circular bulkSnapIn rail mount adapter 1-single incl. Cat.6 head housing	60795	*	
33	solid + flexible	5 – 9 mm	Cat.6_A	AWG27 – 22	Rail mount adapter, Cat.6_A TIA568A EPIC® DATA HS RJ45 F 10G A	21700613	289	
34	solid + flexible	5 – 9 mm	Cat.6_A	AWG27 – 22	Rail mount adapter, Cat.6_A TIA568B EPIC® DATA HS RJ45 F 10G B	21700614	289	
LANmark SnapIn GG45 socket								
35	solid	–	Cat.7_A	AWG24 – 22	LANmark-7A, 1000 MHz Snap-In GG45 connector	63104	*	

Legend: *see www.lappgroup.com/products. Please see detailed technical information on the data sheet (www.lappgroup.com/products).

EPIC® DATA PN AX RJ45



Product features

- For PROFINET applications
- Housing: zinc die-casting, grey
- By a multi-level relief setting the connector can accomodate a cable diameter from 5,0 mm up to 9,0 mm
- Suitable for stranded cores with AWG27/7 -22/7 and for solid conductors with AWG24/1- 22/1
- Suitable for use in industrial applications
- Colour-coded in accordance with PROFINET for Cat.5 apllications

Norm references / Approvals

- Field assembly Industrial Ethernet connector, RJ45 according to IEC 60603-7-51
- UL-listed (E-File E353543)

Info

- For PROFINET applications
- Installation without tools

Technical data

Classification
ETIM 5.0 Class-ID: EC001121
ETIM 5.0 Class-Description:
Modular connector

Protection rating
IP 20

Ambient temperature (operation)
-40°C to +85°C

Article number	Article designation	Min. outer diameter (mm)	Max. outer diameter (mm)	Min. Core diameter in mm	Max. Core diameter in mm	AWG solid	AWG 7-wire
EPIC® DATA PN AX RJ45							
21700605	ED-IE-AX-5-PN-20-FC	5	9	1.6	1	24 - 22	27 - 22

Photographs are not to scale and do not represent detailed images of the respective products.
10 pieces in one blister

NEW

EPIC® DATA PN 90 RJ45



Product features

- For PROFINET applications
- Cable outlet in 4 different 90° angles possible
- Housing: zinc die-casting, grey
- Suitable for stranded cores with AWG27/7 -22/7 and for solid conductors with AWG24/1- 22/1
- Suitable for use in industrial applications
- Colour-coded in accordance with PROFINET for Cat.5 apllications

Norm references / Approvals

- Field assembly Industrial Ethernet connector, RJ45 according to IEC 60603-7-51
- UL-listed (E-File E353543)

Info

- For PROFINET applications
- Installation without tools
- 4 different angled cable outlets possible

Technical data

Classification
ETIM 5.0 Class-ID: EC001121
ETIM 5.0 Class-Description:
Modular connector

Protection rating
IP 20

Ambient temperature (operation)
-40°C to +85°C

Article number	Article designation	Min. outer diameter (mm)	Max. outer diameter (mm)	Min. Core diameter in mm	Max. Core diameter in mm	AWG solid	AWG 7-wire
EPIC® DATA PN 90 RJ45							
21700638	ED-IE-90-6A-PN-20-FC	5.5	10	1	1.6	24 - 22	27 - 22

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® DATA AX RJ45 Cat.6$_A$

Info

- CAT.6$_A$ qualified for 10Gbit/s
- Installation without tools



Product features

- Field assembly Industrial Ethernet connector, RJ45 according to IEC 60603-7-51
- Qualified for 10 Gigabit Ethernet
- Housing: zinc die-casting, grey
- By a multi-level relief setting the connector can accomodate a cable diameter from 5,0 mm up to 9,0 mm
- Suitable for stranded cores with AWG27/7 -22/7 and for solid conductors with AWG24/1- 22/1
- Suitable for use in industrial applications
- Available with colour code T568A or T568B

Norm references / Approvals

- Field assembly Industrial Ethernet connector, RJ45 according to IEC 60603-7-51
- UL-listed (E-File E353543)

Technical data

Classification
ETIM 5.0 Class-ID: EC001121
ETIM 5.0 Class-Description: Modular connector

Protection rating
IP 20

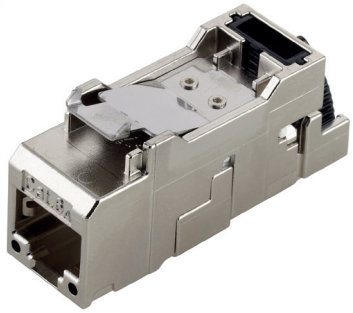
Ambient temperature (operation)
-40°C to +85°C

Article number	Article designation	Min. outer diameter (mm)	Max. outer diameter (mm)	Min. Core diameter in mm	Max. Core diameter in mm	AWG solid	AWG 7-wire	AWG 19-wire
RJ45 connector acc. to T568A								
21700600	EPIC® DATA ED-IE-AX-6A-A-20-FC	5	9	1	1.6	24 - 22	27 - 22	
RJ45 connector acc. to T568A, specifically for cables with 19-wire cores								
21700615	EPIC DATA ED-IE-AX-6$_A$-A-20-FD-FC	5	9	0.85	1.1	26 - 24	27 - 24	26
RJ45 connector acc. to T568B								
21700601	EPIC® DATA ED-IE-AX-6A-B-20-FC	5	9	1	1.6	24 - 22	27 - 22	
RJ45 connector acc. to T568B, specifically for cables with 19-wire cores								
21700616	EPIC DATA ED-IE-AX-6$_A$-B-20-FD-FC	5	9	0.85	1.1	26 - 24	27 - 24	26

Photographs are not to scale and do not represent detailed images of the respective products.
10 pieces in one blister
An approval is necessary for 19-wire cables by Lapp Group

EPIC® DATA RJ45F Cat.6$_A$

RJ45 female connector



Product features

- Field assembly Industrial Ethernet module RJ45 according to IEC 60603-7-51
- Qualified for 10 Gigabit Ethernet
- Housing: zinc die-casting, grey
- By a multi-level relief setting the connector can accomodate a cable diameter from 5,0 mm up to 9,0 mm
- Suitable for stranded cores with AWG27/7 -22/7 and for solid conductors with AWG26/1- 22/1
- Suitable for use in industrial applications
- Available with colour code T568A or T568B

Norm references / Approvals

- Field assembly Industrial Ethernet connector, RJ45 according to IEC 60603-7-51
- UL-listed (E-File E353543)

Technical data

Classification
ETIM 5.0 Class-ID: EC001121
ETIM 5.0 Class-Description:
Modular connector

Protection rating
IP 20

Ambient temperature (operation)
-40°C to +70°C

Article number	Article designation
RJ45 Modul acc. to T568A	
21700611	ED-IE-AX-RJ45F-6A-A-FC
RJ45 Modul acc. to T568B	
21700612	ED-IE-AX-RJ45F-6A-B-FC

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® DATA 90 RJ45 Cat.6$_A$



Product features

- Cable outlet in 4 different 90° angles possible
- Qualified for 10 Gigabit Ethernet
- Housing: zinc die-casting, grey
- Suitable for stranded cores with AWG27/7 -22/7 and for solid conductors with AWG24/1- 22/1
- Suitable for use in industrial applications
- Available with colour code T568A or T568B

Norm references / Approvals

- Field assembly Industrial Ethernet connector, RJ45 according to IEC 60603-7-51
- UL-listed (E-File E353543)

Info

- CAT.6$_A$ qualified for 10Gbit/s
- Installation without tools
- 4 different angled cable outlets possible

Technical data

Classification
ETIM 5.0 Class-ID: EC001121
ETIM 5.0 Class-Description:
Modular connector

Protection rating
IP 20

Ambient temperature (operation)
-40°C to +85°C

Article number	Article designation	Min. outer diameter (mm)	Max. outer diameter (mm)	Min. Core diameter in mm	Max. Core diameter in mm	AWG solid	AWG 7-wire	AWG 19-wire
RJ45 connector acc. to T568A								
21700636	ED-IE-90-6A-A-20-FC	5.5	10	1	1.6	24 - 22	27 - 22	
RJ45 connector acc. to T568A, specifically for cables with 19-wire cores								
21700639	ED-IE-90-6A-A-20-FD-FC	5.5	10	0.85	1.1	26 - 24	27 - 24	26
RJ45 connector acc. to T568B								
21700637	ED-IE-90-6A-B-20-FC	5.5	10	1	1.6	24 - 22	27 - 22	
RJ45 connector acc. to T568B, specifically for cables with 19-wire cores								
21700640	ED-IE-90-6A-B-20-FD-FC	5.5	10	0.85	1.1	26 - 24	27 - 24	26

Photographs are not to scale and do not represent detailed images of the respective products.
An approval is necessary for 19-wire cables by Lapp Group

EPIC® DATA AX RJ45 Cat.6$_A$ IP68

RJ45 connector in IP68 housing

Info

- CAT.6$_A$ qualified for 10Gbit/s
- Installation without tools

Technical data

Classification
ETIM 5.0 Class-ID: EC002597
ETIM 5.0 Class-Description:
Modular connector

Protection rating
IP 68

Ambient temperature (operation)
Plug/socket -40°C to +70°C
circular housing: -40°C to +85°C

Product features

- Housing: brass nickel plated
- Qualified for 10 Gigabit Ethernet
- Suitable for stranded cores with AWG27/7 -22/7 and for solid conductors with AWG26/1- 22/1
- By a multi-level relief setting the connector can accomodate a cable diameter from 5,0 mm up to 9,0 mm

Norm references / Approvals

- Field assembly Industrial Ethernet connector, RJ45 according to IEC 60603-7-51
- UL-listed (E-File E353543)



Article number	Article designation
circular connector (male) inclusive RJ45 connector	
21700630	ED-IE-AX-RJ45-6A-B-68-FC
dust cap for RJ45 connector	
21700631	ED-IE-AX-RJ45-AC-DC
circular bulkead housing inclusive RJ45 Modul acc. to T568B	
21700632	ED-IE-RJ45F-6A-B-68-FC
dust cap for RJ45 Modul	
21700633	ED-IE-RJ45F-AC-DC

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® DATA HS RJ45F Cat.6$_A$

Cat.6$_A$ rail mount adapter

Technical data

Classification
ETIM 5.0 Class-ID: EC001121
ETIM 5.0 Class-Description:
Modular connector

Protection rating
IP 20

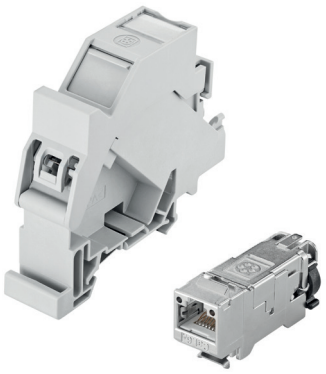
Ambient temperature (operation)
-40°C to +70°C

Product features

- Plastic housing including Easy Connect RJ45 Modul Cat.6A 10G
- Suitable for use in industrial applications
- Integrated strain relief for cable O.D. to 9 mm
- Colour: light grey (RAL 7035)
- Suitable for stranded cores with AWG27/7 -22/7 and for solid conductors with AWG26/1- 22/1

Norm references / Approvals

- Field assembly Industrial Ethernet module RJ45 according to IEC 60603-7-51



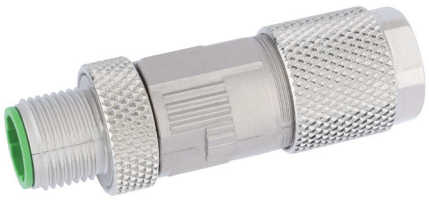
Article number	Article designation
Inclusive RJ45 Modul acc. to T568A	
21700613	EPIC DATA HS RJ45 F 10G A
Inclusive RJ45 Modul acc. to T568B	
21700614	EPIC DATA HS RJ45 F 10G B

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® DATA M12D

M12 D-coded connectors



Info

- CAT.5-Performance
- Installation without tools

Product features

- Field assembly Industrial Ethernet connector, M12 D-coded according to IEC 61076-2-101
- Suitable for use in industrial applications
- Robust and vibrations- resistant
- Toolfree installation, small and compact design

Norm references / Approvals

- Data transmission is conform to category Cat.5 acc. to ISO 11801

Technical data

Classification
ETIM 5.0 Class-ID: EC001121
ETIM 5.0 Class-Description:
Modular connector

Protection rating
IP 67

Ambient temperature (operation)
-25°C to +85°C

Article number	Article designation	Min. outer diameter (mm)	Max. outer diameter (mm)	AWG solid	AWG 7-wire
M12 D-coded plug, straight, colour coding acc. to PROFINET					
21700647	ED-IE-AX-M12D-5-PN-67-FC	6.2	9.7	24 - 22	26 - 22
M12 D-coded plug, straight, colour coding acc. to TIA 568					
21700648	ED-IE-AX-M12D-5-67	5	6.1	24 - 22	26 - 22
M12 D-coded socket, straight, TIA 568 colour coding					
22261016	AB-C4-M12FSD-SH	4	8	26 - 22	26 - 22

Photographs are not to scale and do not represent detailed images of the respective products.

NEW

EPIC® DATA M12X

M12 X-coded connectors



Info

- CAT.6_A qualified for 10Gbit/s
- Installation without tools

Product features

- Field assembly Industrial Ethernet connector, M12 X-coded according to IEC 61076-2-109
- Qualified for 10 Gigabit Ethernet
- Suitable for use in industrial applications
- Robust and vibrations- resistant
- Housing: zinc die-casting, grey
- Insulation displacement contacts for conductor diameter of AWG27/7 - AWG22/7 and AWG24/1 - AWG22/1; max. outer diameter 9,7 mm
- Toolfree installation, small and compact design

Norm references / Approvals

- Acc. to standard IEC 61076-2-109
- Data transmission is conform to category Cat.6_A acc. to ISO/IEC 11801:2010

Technical data

Classification
ETIM 5.0 Class-ID: EC001121
ETIM 5.0 Class-Description:
Modular connector

Protection rating
IP 67

Ambient temperature (operation)
Plug/socket -40°C to +85°C

Article number	Article designation
M12 X-coded plug, straight	
21700602	ED-IE-AX-M12X-6A-67-FC
M12 X-coded socket, straight	
21700621	ED-IE-AX-M12XF-6_A-67-FC
M12 X-coded socket, straight for wall mounting	
21700622	ED-IE-AX-M12XF-RM-6_A-67-FC

Photographs are not to scale and do not represent detailed images of the respective products.

EPIC® DATA FT IE

Industrial Ethernet feed through



Product features

- Designs for front and rear wall-mounting
- M12 panel feed-throughs for direct connecting with PCB
- Can be used for Industrial Ethernet in harsh industrial environments
- Housing: zinc die-casting, grey

Norm references / Approvals

- Acc. to standard IEC 61076-2
- D-coded: Cat.5 acc. to ISO 11801
  X-coded: Cat.6_A acc. to ISO 11801

Technical data

Classification
ETIM 5.0 Class-ID: EC002061
ETIM 5.0 Class-Description:
Sensor-actuator connector chassis

Protection rating
IP 67

Ambient temperature (operation)
-25°C to +85°C

Article number	Article designation
M12 feed through, socket on socket, D-coded	
22262022	AB-C4-DSI-M12FSD-M12FSD-M16-SH
M12 flush-type connector socket for front-mounting, X-coded	
21700617	ED-IE-M12F-X-FM
M12 flush-type connector socket for rear-mounting, solder contacts, X-coded	
21700618	ED-IE-M12F-X-RM

Photographs are not to scale and do not represent detailed images of the respective products.

LAPP GROUP
Data communication systems for ETHERNET technology
Connectors for industrial cabling • Cable coupler

NEW

EPIC® DATA CCR FA

Cable coupler round

Info

- Cable coupler round class F_A
- Installation without tools



Product features

- Field mountable cable coupler for data cables up to Cat.7_A
- Compact, round design
- Qualified for 10 Gigabit Ethernet
- Suitable for use in industrial applications
- Robust and vibrations- resistant
- Housing: zinc die-casting, grey
- Insulation displacement contacts for conductor diameter of AWG24/7 - AWG22/7 and AWG24/1 - AWG22/1; max. outer diameter 9,7 mm

Norm references / Approvals

- Compliance to class F_A up to 1000 MHz in connection with Cat.7_A cables
- Data transmission is conform to category Cat.7_A acc. to ISO/IEC 11801

Technical data

Classification
ETIM 5.0 Class-ID: EC001121
ETIM 5.0 Class-Description:
Modular connector

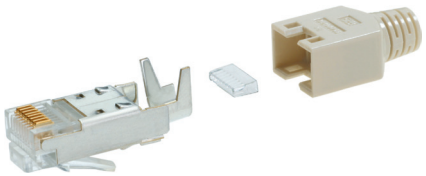
Protection rating
IP 67

Ambient temperature (operation)
Plug/socket -40°C to +85°C

Article number	Article designation	Min. outer diameter (mm)	Max. outer diameter (mm)	AWG solid	AWG 7-wire
EPIC® DATA CCR FA					
21700623	EPIC® DATA CCR FA	5	9.7	24 - 22	24 - 22

Photographs are not to scale and do not represent detailed images of the respective products.

Connector RJ45 CAT.5 Hirose TM11



Product features

- Screened version
- Suitable for stranded conductors (AWG26)
- Included: bend protection and guide plate
- Anti-kink protection: beige
- Max. outer sheath diameter: 5.8 mm

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

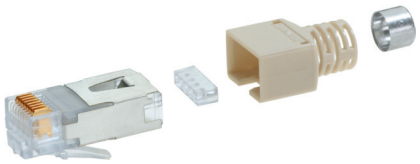
Article number	Article designation
Connector RJ45 CAT.5 Hirose TM11	
CE6321	Connector RJ45 CAT.5 Hirose TM11

Hirose is a registered trademark of the HIROSE ELECTRIC Group
Other colours are available upon request.
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Crimping tool RJ45 Hirose refer to main catalogue

Connector RJ45 CAT.5 Stewart SS37



Product features

- Screened version
- Suitable for stranded conductors (AWG26)
- Included: bend protection and guide plate
- Anti-kink protection: light grey
- Max. outer sheath diameter: 5.72 mm

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

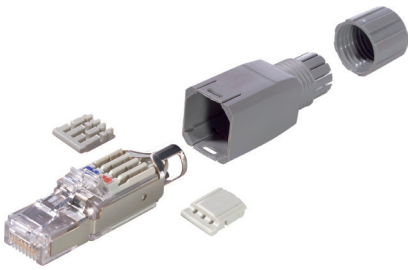
Article number	Article designation
Connector RJ45 CAT.5 Stewart SS37	
CE6323	Connector RJ45 CAT.5 Stewart SS37

Stewart is a registered trademark of Bel Fuse Inc.
Other colours are available upon request.
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Crimping tool RJ45 Stewart refer to main catalogue

Field-Terminable Connector RJ45 CAT.5e FM45



Product features

- Screened version
- Suitable for AWG 23 - 26, AWG 22 possible with restrictions
- IDC/piercing terminal according to 60352-4
- Suitable for solid and stranded conductors
- Suitable for use in industrial applications

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)

Protection rating
IP 20

Ambient temperature (operation)
-20°C to +70°C

Article number	Article designation
RJ45 connector acc. to T568A	
21700540	Field-Terminable Connector RJ45 CAT.5e FM45

Photographs are not to scale and do not represent detailed images of the respective products.

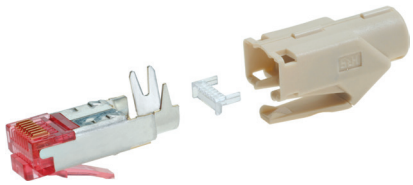
Connector RJ45 CAT.6 Hirose TM21

Product features

- Channel Class E up to 250 MHz (CAT.6)
- Fully screened
- Conductor: Ø 0.5 mm solid wire: AWG 24 & 26; guide plate for 1.1 mm diameter wire; cable outer diameter: 6.6 mm
- Easy to handle
- Included: bend protection and guide plate
- Anti-kink protection: beige
- Suitable for solid and stranded conductors

Technical data

Classification
ETIM 5.0 Class-ID: EC002641
ETIM 5.0 Class-Description: Modular connector (industrial connector)



Article number	Article designation
Connector RJ45 CAT.6 Hirose TM21	
CE6324	Connector RJ45 CAT.6 Hirose TM21

Hirose is a registered trademark of the HIROSE ELECTRIC Group
Other colours are available upon request.
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- Crimping tool RJ45 Hirose refer to main catalogue

NEW

Frontplate 19” 1HE Cat.6$_A$

Product features

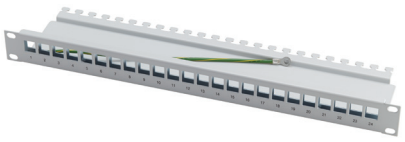
- 19” modular patch panel, for fixed installation
- 24 Ports
- Stable metal structure
- Dimensions: 19” - 1RU
- Colour: grey (RAL 7035)
- Unpopulated
- Incl. cable strain relief and cable ties
- On frontplate portnumbers are printed on
- Potential equalisation with incl. grounding set (0,3 m)

Info

- Specially for RJ45 Cat.6$_A$ female connector

Technical data

Classification
ETIM 5.0 Class-ID: EC002601
ETIM 5.0 Class-Description: Box/housing for built-in mounting in the wall/ceiling



Article number	Article designation
Frontplate 19” 1HE Cat.6$_A$	
24441122	Frontplate 19” 1HE Cat.6$_A$

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- EPIC® DATA RJ45F Cat.6$_A$ refer to page 288



HITRONIC® Connectors for optical data transmission

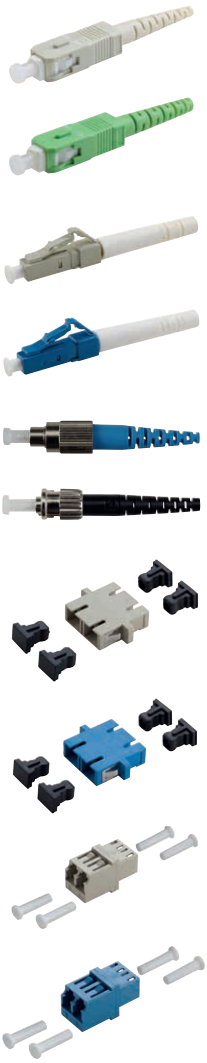
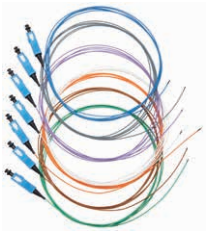
In the face of ever increasing data volumes in telecommunication and industrial areas, optical data transmission systems are becoming ever more important. Wherever large data quantities have to be transmitted across long distances or in areas subject to electromagnetic interference, fibre optic cables represent an ideal complement to copper-based networks.
HITRONIC® connectors ensure interference-free and interception-proof transmission of large data volumes, with utmost ease and virtually at the speed of light. Moreover, the data transfer is not impaired by electromagnetic radiation. To complement the optical cables, the HITRONIC® range includes suitable connectors for all transmission technologies: POF (polymer optical fibre), PCF (polymer cladded fibre) and GOF (glass optical fibre). For the most demanding conditions and reliable application in industrial environments.

Our range also includes suitable tool sets to ensure quick and simple installation of the optical connectors.

Application range

- Telecommunication and network technology
- Industrial cabling and automation systems
- Industrial machinery and plant engineering
- Data transmission under harsh conditions (mining and tunnel construction, oil and gas platforms, wind power plants)

Optical transmission systems · HITRONIC® Product Overview

Type of fibre	Cables		Connectors and adapters	Accessories
POF	POF SIMPLEX PE			
	POF DUPLEX PE			
	POF SIMPLEX PE-PUR	LAPP KABEL STUTTGART HITRONIC® POF SIMPLEX PE-PUR		
	POF DUPLEX PE-PUR	LAPP KABEL STUTTGART HITRONIC® POF DUPLEX PE-PUR		
	POF DUPLEX Heavy	LAPP KABEL STUTTGART HITRONIC® POF DUPLEX HEAVY PE-PUR		
	POF SIMPLEX/DUPLEX FD PE-PUR	LAPP KABEL STUTTGART HITRONIC® POF DUPLEX FD PE-PUR		
	POF DUPLEX for PROFINET® applications	LAPP KABEL STUTTGART HITRONIC® POF DUPLEX FD PNC PA-PUR		
PCF	PCF SIMPLEX Outdoor			
	PCF DUPLEX Outdoor	LAPP KABEL STUTTGART HITRONIC® PCF DUPLEX FRNC-PE outdoor		
	PCF DUPLEX Indoor	LAPP KABEL STUTTGART HITRONIC® PCF DUPLEX FRNC-PUR indoor		
	PCF DUPLEX FD Universal	LAPP KABEL STUTTGART HITRONIC® PCF DUPLEX FD FRNC-PUR		
	PCF DUPLEX for PROFINET® applications	LAPP KABEL STUTTGART HITRONIC® PCF DUPLEX PNC DUPLEX FD PNC PVC-PUR		
GOF	HITRONIC® FIRE			
	HITRONIC® TORSION			
	HRM-FD Flexible			
	HDM Reel			
	HQN Outdoor			
	HVN Stranded Outdoor			
	HVN-Mini Outdoor (air blowable)			
	HQW Armoured Outdoor			
	HVW Armoured Stranded Outdoor			
	HQW-Plus Armoured Outdoor			
	HQA Aerial ADSS			
	HQA-Plus Aerial ADSS			
	HUN Universal			
	HUW Armoured Universal			
	HRH Breakout	STUTTGART HITRONIC® HRH400 2G 50/125 OM3		
	HDH Mini Breakout			

Photographs are not to scale and do not represent detailed images of the respective products.

POF Connector and Adapter HFBR



Benefits

- Compatible with HP Versatile Link Connectors and Components series
- Different colours for channel coding

Application range

- Factory automation
- Medical equipment
- Telecommunications Switching Systems
- Automotive Networks
- Printed Circuit Board

Product features

- HFBR connector series for 2.2 mm POF
- For crimping or clamping
- Simplex or Duplex variations

Technical data

Classification
ETIM 5.0 Class-ID: EC000752
ETIM 5.0 Class-Description:
Fibre optic connector

Article number	Article designation	PU
Connector HFBR-4501, Simplex, with Crimp Sleve		
29140099	POF Connector HFBR4501 GY Simplex /4PC	4 piece
29140098	POF Connector HFBR4501 GY Simplex /50PC	50 piece
Latching Connector HFBR-4503, Simplex, with Crimp Sleve		
29141099	POF Connector HFBR4503 GY Simplex /4PC	4 piece
29141098	POF Connector HFBR4503 GY Simplex /50PC	50 piece
Connector HFBR-4506, Duplex, with Crimp Sleve		
29142099	POF Connector HFBR4506 WH Duplex /4PC	4 piece
29142098	POF Connector HFBR4506 WH Duplex /50PC	50 piece
Connector HFBR-4511, Simplex, with Crimp Sleve		
29143099	POF Connector HFBR4511 BL Simplex /4PC	4 piece
29143098	POF Connector HFBR4511 BL Simplex /50PC	50 piece
Latching Connector HFBR-4513, Simplex, with Crimp Sleve		
29144099	POF Connector HFBR4513 BL Simplex /4PC	4 piece
29144098	POF Connector HFBR4513 BL Simplex /50PC	50 piece
Latching Connector HFBR-4516, Duplex, with Crimp Sleve		
29145099	POF Connector HFBR4516 GY Duplex /4PC	4 piece
29145098	POF Connector HFBR4516 GY Duplex /50PC	50 piece
Clamp Connector HFBR-4531, Simplex		
29146099	POF Connector HFBR4531 BK Simplex /4PC	4 piece
29146098	POF Connector HFBR4531 BK Simplex /50PC	50 piece
Clamp and Latching Connector HFBR-4532, Simplex		
29147099	POF Connector HFBR4532 BK Simplex /4PC	4 piece
29147098	POF Connector HFBR4532 BK Simplex /50PC	50 piece
Clamp Connector HFBR-4533, Simplex		
29148099	POF Connector HFBR4533 BL Simplex /4PC	4 piece
29148098	POF Connector HFBR4533 BL Simplex /50PC	50 piece
HFBR4505 Adapters		
29440099	POF Adapter HFBR4505 GY Simplex /4PC	4 piece
HFBR4515 Adapters		
29441099	POF Adapter HFBR4515 BL Simplex /4PC	4 piece

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- POF Cutting Tools refer to page 299
- POF Polishing tools and accessories refer to page 300

POF Connector F05 Simplex

Benefits
- Easy to assemble

Application range
- Digital audio
- Factory automation
- Office Automation (Smart House)

Product features
- F-05 (TOCP) SIMPLEX clamp connector for connecting to polymer optical fibre without crimping or gluing
- Snap-In Connector
- Suitable for 2.2 mm POF

Info
- Compatible with TOCP155K

Technical data

ETIM
Classification
ETIM 5.0 Class-ID: EC001122
ETIM 5.0 Class-Description: Fibre optic connector



Article number	Article designation	PU
Connector F05 Simplex		
29150099	POF Connector F05 Simplex /4PC	4 piece
29150098	POF Connector F05 Simplex /50PC	50 piece
Adapter for Connector F05 Simplex		
29450099	POF Adapter F05 Simplex /4PC	4 piece

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories
- POF Cutting Tools refer to page 299
- POF Polishing tools and accessories refer to page 300

POF Connector F-SMA and ST(BFOC)

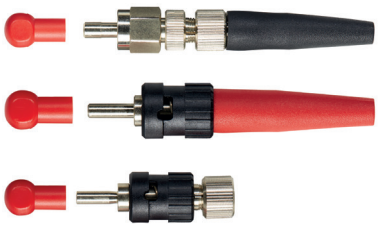
Benefits
- As crimp or clamp version for easy assembling

Product features
- FSMA and ST(BFOC) connector with knurled nut or hexagonal nut for crimping, gluing or easy clamping
- Suitable for 2.2 mm POF
- Available for different cable diameters (2.2 mm and 6.0 mm)
- Connector including bend protection boot and dust cap
- Bend protection boot colour: black and red

Info
- FSMA and ST(BFOC) connectors for POF cable assembly

Technical data

ETIM
Classification
ETIM 5.0 Class-ID: EC001122
ETIM 5.0 Class-Description: Fibre optic connector

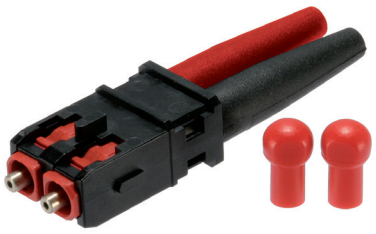


Article number	Article designation	PU
FSMA Connectors with knurled nut for crimping		
29135099	POF Connector FSMA Crimp 2.2 /4PC	4 piece
29135098	POF Connector FSMA Crimp 2.2 /50PC	50 piece
29137099	POF Connector FSMA Crimp 6.0 /4PC	4 piece
29137098	POF Connector FSMA Crimp 6.0 /50PC	50 piece
FSMA Connectors with hexagonal nut for crimping		
29135089	POF Connector FSMA Hex Crimp 2.2 /4PC	4 piece
29135088	POF Connector FSMA Hex Crimp 2.2 /50PC	50 piece
29132089	POF Connector FSMA Hex Crimp 6.0 /4PC	4 piece
29132088	POF Connector FSMA Hex Crimp 6.0 /50PC	50 piece
FSMA Connectors with knurled nut for clamping		
29130099	POF Connector FSMA Clamp 2.2 /4PC	4 piece
29130098	POF Connector FSMA Clamp 2.2 /50PC	50 piece
FSMA Connectors with hexagonal nut for clamping		
29130089	POF Connector FSMA Hex Clamp 2.2 /4PC	4 piece
29130088	POF Connector FSMA Hex Clamp 2.2 /50PC	50 piece
ST(BFOC) Connectors for crimping		
29125099	POF Connector ST(BFOC) Crimp 2.2 /4PC	4 piece
29125098	POF Connector ST(BFOC) Crimp 2.2 /50PC	50 piece
ST(BFOC) Connectors for clamping		
29120099	POF Connector ST(BFOC) Clamp 2.2 /4PC	4 piece
29120098	POF Connector ST(BFOC) Clamp 2.2 /50PC	50 piece

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories
- POF Assembly Sets refer to page 299
- POF Cutting Tools refer to page 299
- POF Polishing tools and accessories refer to page 300
- POF Measurement Equipment refer to main catalogue

POF Connector SC-RJ



Benefits
- As crimp version for easy assembling

Product features
- Connector set included two SC connectors, SC-RJ housing, two bending protection boots, dust caps
- Suitable for 2.2 mm POF
- Bend protection boot colour: black and red

Info
- SC-RJ connectors for POF cable assembly
- Connectors for PROFINET Data Cabling

Technical data
Classification
ETIM 5.0 Class-ID: EC001122
ETIM 5.0 Class-Description: Fibre optic connector

Article number	Article designation	PU
POF Connector SC-RJ		
29161097	POF Connector SC-RJ Crimp 2.2	1 piece

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories
- POF Assembly Sets refer to page 299
- POF Cutting Tools refer to page 299
- POF Polishing tools and accessories refer to page 300
- POF Measurement Equipment refer to main catalogue

POF Adapter F-SMA



Product features
- POF Adapter FSMA: version with two fixing nuts and lock wahser
- POF Adapter FSMA hexa: version with hexagonal flange, fixing nuts and lock wahser

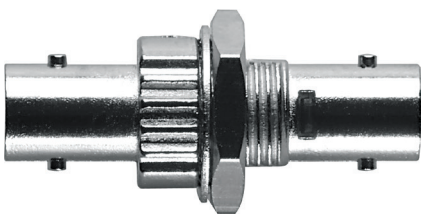
Info
- Can be used for POF and PCF connector types

Technical data
Classification
ETIM 5.0 Class-ID: EC000752
ETIM 5.0 Class-Description: Fibre optic coupler

Article number	Article designation	PU
FSMA Adapters		
29430099	POF Adapter FSMA /4PC	4 piece
29430089	POF Adapter FSMA Hex /4PC	4 piece

Photographs are not to scale and do not represent detailed images of the respective products.

POF Adapter ST (BFOC)



Product features
- ST(BFOC) adapter with flange, fixing nuts and lock washer

Info
- Can be used for POF and PCF connector types

Technical data
Classification
ETIM 5.0 Class-ID: EC000752
ETIM 5.0 Class-Description: Fibre optic coupler

Article number	Article designation	PU
ST(BFOC) Adaptera		
29420099	POF Adapter ST (BFOC) /4PC	4 piece

Photographs are not to scale and do not represent detailed images of the respective products.

POF Assembly Sets

Benefits

- Easy to handle
- Set includes all the necessary tools for connector assembly
- Suitable for on-site assembly

Product features

- Sets available for POF connector types FSMA and ST (BFOC) and SC / SC-RJ
- Contents: crimp tool, buffered fibre stripper, polishing disc FSMA, polishing film, cutter

Technical data

Classification
ETIM 5.0 Class-ID: EC002609
ETIM 5.0 Class-Description:
Accessories for optic fibre technique



Article number	Article designation	PU
Assembly Set for POF FSMA Connector		
29500001	Assembly Set POF Connector FSMA	1 piece
Assembly Set for POF ST(BFOC) Connector		
29500002	Assembly Set POF Connector ST(BFOC)	1 piece
Assembly Set for POF SC/SC-RJ Connector		
29500004	Assembly Set for POF Connector SC	1 piece

Photographs are not to scale and do not represent detailed images of the respective products.

POF Cutting Tools













Benefits

- Cutting tools for the POF cable and connector product range

Application range

- Cable stripper for different jacket materials and cable diameter

Product features

- Various tools for cutting buffered fibres (2.2mm)
  from very simple to version with automatic blade advance
- Crimping tool suitable for the POF(PCF) connector program

Technical data

Classification
ETIM 5.0 Class-ID: EC000163
ETIM 5.0 Class-Description:
Fibre optic cleaver

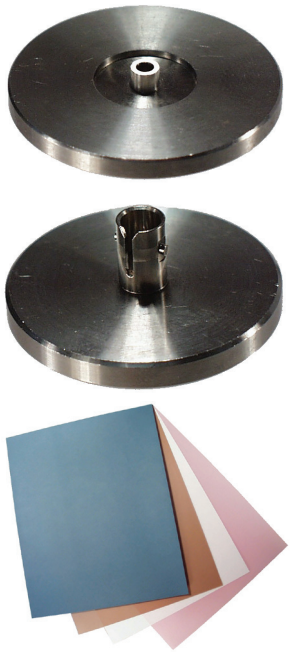
Article number	Article designation	PU
POF Bare Fibre Cutter		
29500014	POF Cutter 2.2/1.0mm Guillotine	5 pieces
29500015	POF BufferedFibreCutter 2.2mm manuel	1 piece
29500016	POF BufferedFibreCutter 2.2mm automatic	1 piece
POF Cable Stripper		
29500011	POF Buffered Fibre Stripper 2.2 mm (P980/1000)	1 piece
29500013	POF Cable Stripper PA 2.2mm	1 piece
29500012	POF Cable Stripper 3.6/6.0mm	1 piece
Strain relief element scissors		
29500017	Strain relief element scissors	1 piece
POF Crimping Tool		
29500010	POF Crimp Tool 2.5/3.0/4.5/4.95mm	1 piece

Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- POF Assembly Sets refer to page 299

POF Polishing tools and accessories



Benefits

- Easy to handle
- Suitable to POF Connector Assembly Sets

Product features

- Accessories for POF Assembly
- Polishing disc for various POF connector types
- Other versions are available upon request
- Polishing film with different graining size types for fibre end face treatment
- Polishing process:
  POF - Polishing Film 1000 (BU)
  Polishing Film 5µm (BN)
  Polishing Film 1µm (GN)
  PCF - Polishing Film 5 µm (BN)
  Polishing Film 1 µm (GN)
  Polishing Film 0.3 µm (WH)

Technical data

Classification
ETIM 5.0 Class-ID: EC001688
ETIM 5.0 Class-Description:
Fibre optic cleaver

Article number	Article designation	PU
Polishing Disc for POF connector assembly		
29500031	Polishing Disc POF FSMA Connector	1 piece
29500032	Polishing Disc POF ST(BFOC) Connector	1 piece
29500033	Polishing Disc POF HFBR4501/4511 SIMPLEX	1 piece
29500034	Polishing Disc POF HFBR4516 DUPLEX	1 piece
29500035	Polishing Disc POF F05 Connector	1 piece
29500036	Polishing Disc POF Simplex 2.2mm	1 piece
29500733	Polishing Disc PCF HFBR4521 Connector	1 piece
29500037	Polishing Disc POF SC Connector	1 piece
Polishing film		
29500021	Polishing film graining size 1000 (BL)	10 pieces
29500024	Polishing film graining size 5 µm (BR)	10 pieces
29500023	Polishing film graining size 1 µm (GN)	10 pieces
29500022	Polishing film graining size 0.3 µm (WH)	10 pieces
Polishing accessories		
29500020	Polishing glass plate 150x230mm	1 piece

Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- POF Assembly Sets refer to page 299

PCF Connector HFBR

Benefits

- Compatible with HP Versatile Link Connectors and Components series

Application range

- Factory automation
- Medical equipment
- Telecommunications Switching Systems

Product features

- HFBR4521 connector for 2.2 mm PCF cable diameter as crimp version
- HFBR4521 connector for 3.0 mm PCF cable diameter as clamp version
- HFBR4521 clamp connector compatible with Assemby Set PCF Connector HFBR4521

Technical data

Classification
ETIM 5.0 Class-ID: EC001122
ETIM 5.0 Class-Description:
Fibre optic connector



Article number	Article designation	PU
Connector HFBR4521 for 2.2 mm cables - crimp version		
29140799	PCF Connector HFBR4521 BK Simplex 2.2 /4PC	4 piece
29140798	PCF Connector HFBR4521 BK Simplex 2.2 /50PC	50 piece
Connector HFBR4521 for 3.0 mm cables - clamp version		
29141799	PCF Connector HFBR4521 Clamp 3.0 /4PC	4 piece
29141798	PCF Connector HFBR4521 Clamp 3.0 /50PC	50 piece

Photographs are not to scale and do not represent detailed images of the respective products.

PCF Connector F-SMA and ST(BFOC)

Benefits

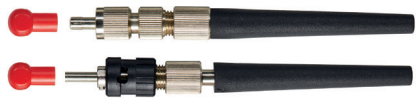
- Easy to assemble
- Designed for field assembly
- Reusable as it can be removed

Product features

- Connectors for clamp and cleave assembly
- Available for different cable diameters (2.2mm and 3.0mm)
- Adapters available on request
- Bend protection boot colour: black and red

Technical data

Classification
ETIM 5.0 Class-ID: EC001122
ETIM 5.0 Class-Description:
Fibre optic connector



Article number	Article designation	PU
Connector FSMA Clamp for 3.0 mm cables		
29136799	PCF Connector FSMA Clamp 3.0 /4PC	4 piece
29136798	PCF Connector FSMA Clamp 3.0 /50PC	50 piece
Connector FSMA Clamp for 2.2 mm cables		
29135799	PCF Connector SC-RJ Clamp 2.2	4 piece
29135798	PCF Connector FSMA Clamp 2.2 /50PC	50 piece
Connector ST(BFOC) Clamp for 3.0 mm cables		
29126799	PCF Connector ST (BFOC) Clamp 3.0 /4PC	4 piece
29126798	PCF Connector ST (BFOC) Clamp 3.0 /50PC	50 piece
Connector ST(BFOC) Clamp for 2.2 mm cables		
29125799	PCF Connector ST (BFOC) Clamp 2.2 /4PC	4 piece
29125798	PCF Connector ST (BFOC) Clamp 2.2 /50PC	50 piece

Photographs are not to scale and do not represent detailed images of the respective products.

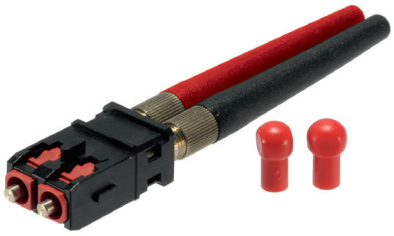
Similar products

- POF Adapter F-SMA refer to page 298
- POF Adapter ST (BFOC) refer to page 298

Accessories

- PCF Cutting Tools refer to page 303

PCF Connector SC-RJ



Benefits
- Easy to assemble
- Designed for field assembly
- Reusable as it can be removed

Product features
- Connector set included two SC connectors, SC-RJ housing, two bending protection boots, dust caps
- Connectors for clamp and cleave assembly
- Available for different cable diameters (2.2mm and 3.0mm)
- Bend protection boot colour: black and red

Info
- Connectors for PROFINET Data Cabling

Technical data
Classification
ETIM 5.0 Class-ID: EC001122
ETIM 5.0 Class-Description:
Fibre optic connector

Article number	Article designation	PU
PCF Connector SC-RJ		
29166797	PCF Connector SC-RJ Clamp 3.0	1 piece
29165797	PCF Connector SC-RJ Clamp 2.2	1 piece

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories
- PCF Cutting Tools refer to page 303

PCF Assembly Sets



Benefits
- Easy to handle
- Set includes all the necessary tools for connector assembly from clamp connector versions
- Suitable for on-site assembly

Product features
- Sets available for PCF clamp connector types
  FSMA, ST (BFOC), SC and HFBR4521
- Contents: stripper, cleave tool, kevlar scissor, cutter, microscope

Technical data
Classification
ETIM 5.0 Class-ID: EC002609
ETIM 5.0 Class-Description:
Accessories for optic fibre technique

Article number	Article designation	PU
Assembly Set For PCF FSMA Connectors		
29500701	Assemby Set PCF Connector FSMA	1 piece
Assembly Set For PCF ST(BFOC) Connectors		
29500702	Assemby Set PCF Connector ST(BFOC)	1 piece
Assembly Set For PCF HFBR4521 Connectors		
29500703	Assembly Set PCF Connector HFBR4521	1 piece
Assembly Set For PCF SC/SC-RJ Connectors		
29500704	Assemby Set PCF Connector SC	1 piece

Photographs are not to scale and do not represent detailed images of the respective products.

Accessories
- PCF Connector F-SMA and ST(BFOC) refer to page 301
- PCF Cutting Tools refer to page 303
- PCF Connector SC-RJ refer to page 302

PCF Cutting Tools

Benefits

- Optimally coordinated tools for the PCF cable and connector product range
- For the processing of PCF fibres

Product features

- PCF cleaving tool for connector types:
  -FSMA
  -ST(BFOC)
  -HFBR4521
  -SC

Technical data

Classification
ETIM 5.0 Class-ID: EC001126
ETIM 5.0 Class-Description:
Cable stripping tool





Article number	Article designation	PU
PCF Buffered Fibre Stripper		
29500711	PCF Buffered Fibre Stripper 0.5mm (K200/230)	1 piece
PCF Fibre Cleaving Tool		
29500712	PCF Cleaving Tool FSMA Connector	1 piece
29500713	PCF Cleaving Tool ST(BFOC) Connector	1 piece
29500714	PCF Cleaving Tool HFBR4521 Connector	1 piece
29500715	PCF Cleaving Tool SC Connector	1 piece

Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- PCF Assembly Sets refer to page 302

PCF Measurement Equipment

Benefits

- Inspection Microscope with 100x magnification for connector inspection
- Easy to handle

Product features

- Interchangeable adapter for PCF connector types FSMA, ST(BFOC), HFBR
- Interchangeable adapters are not included in microscope, please order separately
- Other adapters available on request

Technical data

Classification
ETIM 5.0 Class-ID: EC001685
ETIM 5.0 Class-Description:
Microscope for glass fibre



Article number	Article designation	PU
PCF Inspection Microscope (100x) without adapter		
29500770	PCF Inspection Microscope (100x)	1 piece
PCF Microscope Adapter For Connector Types		
29500771	PCF Microscope Adapter FSMA Simplex	1 piece
29500772	PCF Microscope Adapter ST(BFOC) Simplex	1 piece
29500773	PCF Microscope Adapter HFBR Simplex	1 piece

Photographs are not to scale and do not represent detailed images of the respective products.

GOF Connector



Benefits

- Ideal for assembling
- For assembly process: cable preparation/ glueing/crimping/polishing
- Assembly instructions can be found in the GOF assembly toolbox (not included in Lapp product range)
- Trained optical installers should be used in all connector assembly

Application range

- For connector assemblies in production or laboratory environment

Product features

- Connector sets include all needed parts for assembly

Norm references / Approvals

- LC comply with IEC standard 61754-20
- SC comply with IEC standard 61754-4
- ST comply with IEC standard 61754-2

Product Make-up

- Ferrule diameter:
  LC: 1.25mm (zirconia)
  SC, ST: 2.5mm (zirconia)
- Can be assembled with cables of 1.7mm-2.1mm diameter
- LC and SC connector sets available in green (single-mode APC), blue (single-mode PC) and grey (multimode)

Technical data

Classification
ETIM 5.0 Class-ID: EC001122
ETIM 5.0 Class-Description:
Fibre optic connector

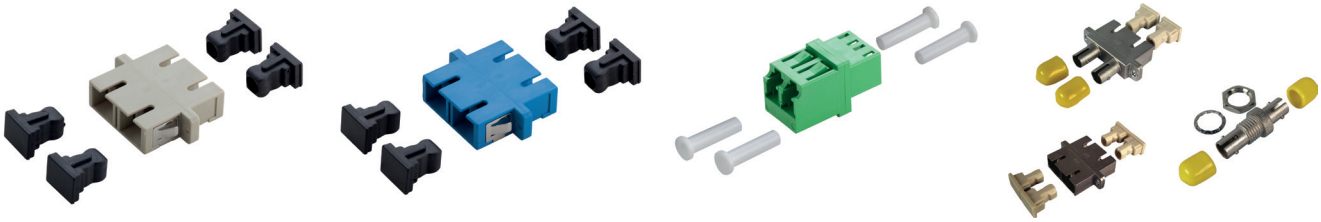
Permissible tensile force
Tensile load 70N
Tensile strength after assembly
> 100N

Temperature range
Operating
LC: -40°C to 75°C
SC: -40°C to 75°C
ST: -40°C to 85°C
Humidity 95%
Flammability UL 94 V-0

Article number	Article designation	PU
Singlemode		
29110999	GOF Connector SC Single-mode Blue /4PC	4 piece
29110998	GOF Connector SC Single-mode Blue /50PC	50 piece
29110989	GOF Connector SC Single-mode APC Green/ 4PC	4 piece
29110988	GOF Connector SC Single-mode APC Green/ 50PC	50 piece
29130999	GOF Connector LC Single-mode Blue /4PC	4 piece
29130998	GOF Connector LC Single-mode Blue /50PC	50 piece
29130989	GOF Connector LC Single-mode APC GR /4PC	4 piece
29130988	GOF Connector LC Single-mode APC GR/50PC	50 piece
29120999	GOF Connector ST Single-mode /4PC	4 piece
29120998	GOF Connector ST Single-mode /50PC	50 piece
29140999	GOF Connector FC Single-mode /4PC	4 piece
Multimode		
29110199	GOF Connector SC Multimode Beige /4PC	4 piece
29110198	GOF Connector SC Multimode Beige /50PC	50 piece
29130199	GOF Connector LC Multimode Beige /4PC	4 piece
29130198	GOF Connector LC Multimode Beige /50PC	50 piece
29120199	GOF Connector ST Multimode /4PC	4 piece
29120198	GOF Connector ST Multimode /50PC	50 piece
29140199	GOF Connector FC Multimode /4PC	4 piece

Photographs are not to scale and do not represent detailed images of the respective products.

GOF Adapters



Product features

- The couplings connect the glass fibre connectors with the same or different connector types.

Norm references / Approvals

- LC comply with IEC standard 61754-20
- SC comply with IEC standard 61754-4
- ST comply with IEC standard 61754-2
- Comply with IEC, EIA/TIA standards

Product Make-up

- Zirconia sleeves
- LC and SC adapters available in green (single-mode APC), blue (single-mode PC) and grey (multimode)

Technical data

Classification
ETIM 5.0 Class-ID: EC000752
ETIM 5.0 Class-Description:
Fibre optic coupler

Attenuation
Attenuation (dB) < 0.2
Repeatability
1000 cycles (dB) < 0.2

Temperature range
Operating
LC: -25°C to 70°C
SC: -40°C to 75°C
ST: -40°C to 85°C
Humidity 95%
Flammability UL 94 V-0

Article number	Article designation	PU
Singlemode		
29410999	GOF Adapter Duplex SC Single-mode Blue /4PC	4 piece
29410989	GOF Adapter Duplex SC Single-mode APC Green /4PC	4 piece
29430999	GOF Adapter Duplex LC Single-mode Blue /4PC	4 piece
29430989	GOF Adapter Duplex LC Single-mode APC Green /4PC	4 piece
29420999	GOF Adapter Simplex ST(BFOC) Single-mode /4PC	4 piece
29421999	GOF Adapter Duplex ST-SC Single-mode /4PC	4 piece
Multimode		
29410199	GOF Adaper Duplex SC Multimode Beige /4PC	4 piece
29430199	GOF Adaper Duplex LC Multimode Beige /4PC	4 piece
29420199	GOF Adapter Simplex ST(BFOC) Multimode /4PC	4 piece
29421199	GOF Adaper Duplex ST-SC Multimode /4PC	4 piece

Photographs are not to scale and do not represent detailed images of the respective products.

Fibre optic connectors for PROFINET®

applications according to PNO

In terms of connectors, a distinction is made with regard to the fibre type and the application.

Connector for fibre type POF

- Very easy to handle. Configurable by means of crimp or clamp connection
- Connector with inner bore > 1 mm at a fibre diameter of 1000 µm and pin diameter (ferrule) of 2.5 mm
- Tailored tool set for straightforward field configuration

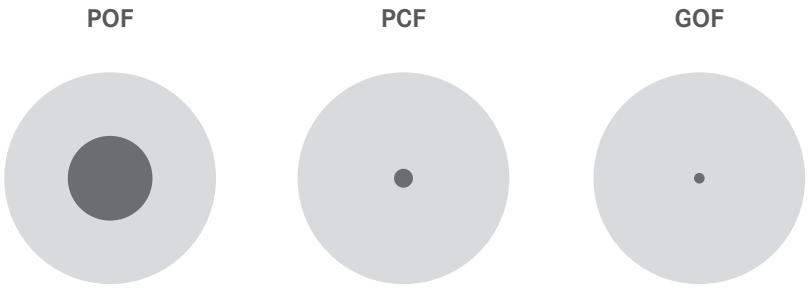
Connector for fibre type PCF

- Easy to handle. Configurable by means of crimp and cleave technology
- Connector with inner bore > 230 µm at a fibre diameter of 230 µm and pin diameter (ferrule) of 2.5 mm
- Tailored tool set for straightforward field configuration

Connector for fibre type GOF

- Handling requires existing knowledge. Assembly by means of bonding and polishing process
- Connector with inner bore > 125 µm at a fibre diameter of 125 µm and pin diameter (ferrule) of 2.5 mm or 1.25 mm (depending on connector type)
- Assembly by qualified staff
- The use of pre-assembled cables is recommended

Schematic size comparison of connector pin (2.5 mm) and hole (POF – PCF – GOF)

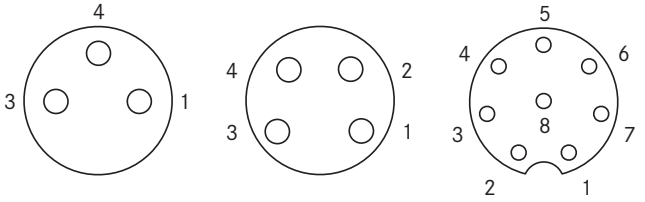


When comparing the different connector holes with regard to the fibre diameter, it becomes apparent that these are not interchangeable with one another. In other words, a PCF connector cannot be used for a POF cable. A PCF connector cannot be used for a POF cable as the fibre geometries and parameters are not compatible with one another.



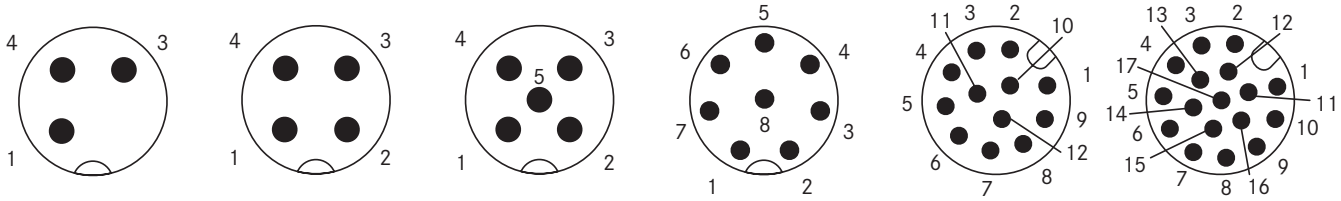
Pin assignments

M8 pin assignments (IEC 61076-2-104)



3-pos. 4-pos. 8-pos.

M12 pin assignments (IEC 61076-2-101)



3-pos. A-coded for Sensor/actuator cabling

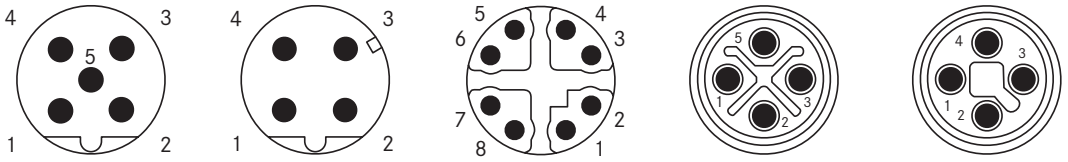
4-pos. A-coded for Sensor/actuator cabling

5-pos. A-coded for Sensor/actuator cabling

8-pos.

12-pos.

17-pos.



5-pos. B-coded for Profibus

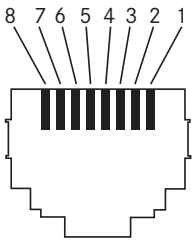
4-pos. D-coded for Industrial Ethernet

8-pos. X-coded for Cat.6_A

3+PE-pos. S-coded

4-pos. T-coded

RJ45 pin assignment (IEC 60603-7-51)



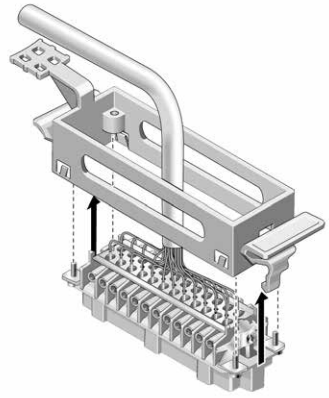
Connector pin assignments

TIA 568-A	TIA 568-B	PROFINET®	RJ45	M12 D-coded	M12 X-coded	M8
White/Green	White/Orange	Yellow	1	1	1	1
Green	Orange	Orange	2	3	2	4
White/Orange	White/Green	White	3	2	3	2
Blue	Blue	–	4		8	
White/Blue	White/Blue	–	5		7	
Orange	Green	Blue	6	4	4	3
White/Brown	White/Brown	–	7		5	
Brown	Brown	–	8		6	

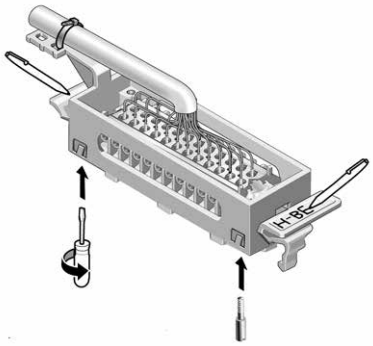
EPIC® Industrial connectors

Mounting instruction for Quick + Easy

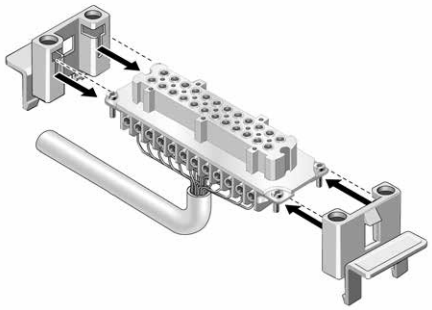
1)



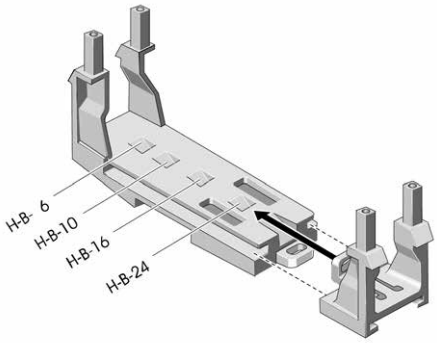
2)



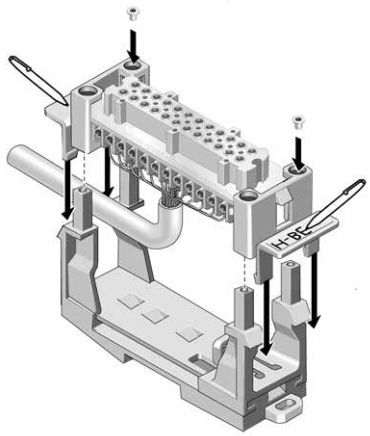
3)



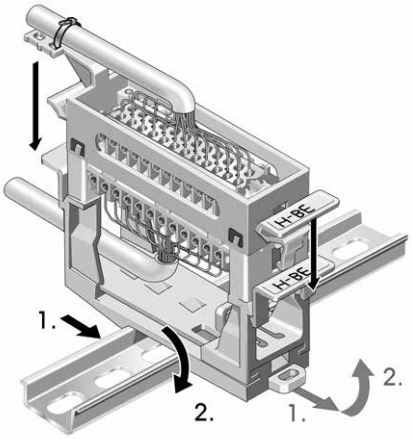
4)



5)

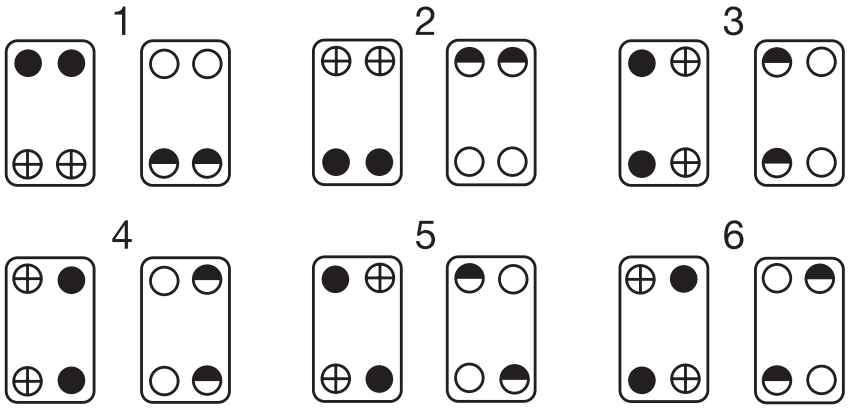


6)



Key positions for Quick + Easy

- Key pin
- Fixing screw
- Coding plug
- Open



EPIC® Industrial connectors

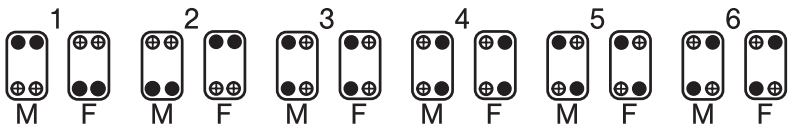
Key positions with using of key pin

● Key pin 10019000

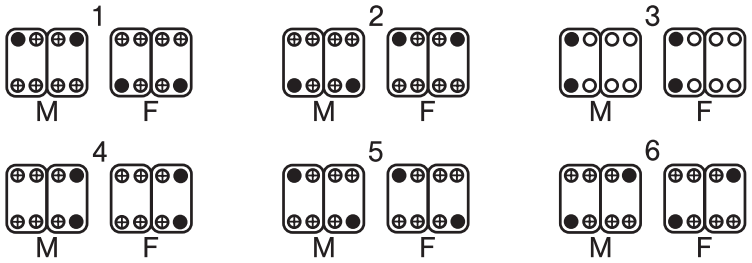
⊕ Fixing screw

M = male insert
F = female insert

1 insert

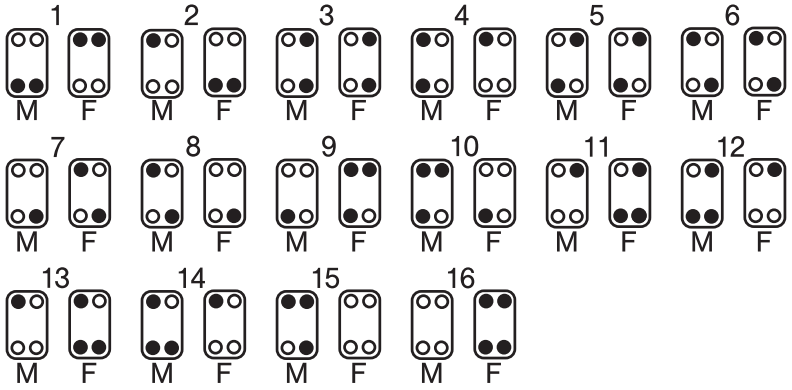


2 inserts



Key positions with using of guide pin und guide socket

1 insert



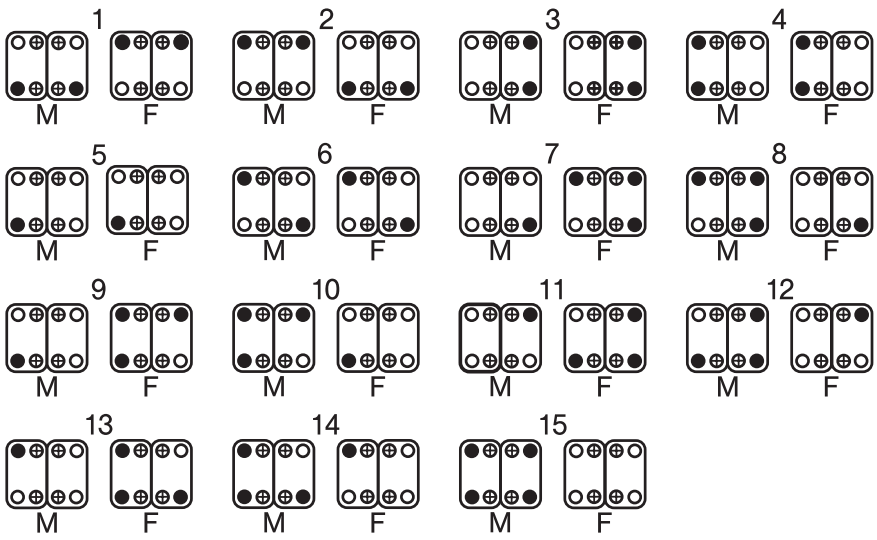
2 inserts

● Guide pin 11280000

○ Guide socket 11281000

⊕ Fixing screw

M = male insert
F = female insert



Technical data for EPIC® Rectangular connectors

Usage criteria		EPIC® rectangular connectors/inserts																				
Main catalogue page		534	534	535	535	535	535	536	536	537	537	538	538	539	540	540	541	542	542	543	543	544
		EPIC® H-A 3	EPIC® H-A 4	EPIC® H-A 10	EPIC® H-A 16	EPIC® H-A 32	EPIC® H-A 48	EPIC® STA 6	EPIC® STA 6	EPIC® STA 14	EPIC® STA 14	EPIC® STA 20	EPIC® STA 20	EPIC® H-Q 5	EPIC® H-D 7	EPIC® H-D 7	EPIC® H-D 8	EPIC® H-D 15	EPIC® H-D 15	EPIC® H-D 25	EPIC® H-D 25	EPIC® H-D 40
Parameter																						
Number of contacts		3 + PE	4 + PE	10 + PE	16 + PE	32 + PE	48 + PE	6	6	14	14	20	20	5 + PE	7 + PE	7 + PE	8	15 + PE	15 + PE	25 + PE	25 + PE	40 + PE
Connection system:	screw	✔	✔	✔	✔	✔	✔	✔		✔		✔										
	solder								✔		✔		✔									
	crimp													✔	✔	✔	✔	✔	✔	✔	✔	✔
	cage clamp																					
Suitable contacts:	H-BE 2.5, machined													✔								
	H-D 1.6, machined														✔		✔	✔		✔		✔
	H-D 1.6, stamped															✔			✔		✔	
Cross-section [mm²]		0.5 – 2.5	0.5 – 2.5	0.5 – 2.5	0.5 – 2.5	0.5 – 2.5	0.5 – 2.5	0.5 – 1.5	max. 1.5	0.5 – 1.5	max. 1.5	0.5 – 1.5	max. 1.5	0.5 – 2.5	0.14 – 2.5	0.14 – 2.5	0.14 – 2.5	0.14 – 2.5	0.14 – 2.5	0.14 – 2.5	0.14 – 2.5	0.14 – 2.5
IEC: rated voltage [V]	400	✔	✔																			
	250			✔	✔	✔	✔											✔	✔	✔	✔	✔
	24 AC/60 DC							✔	✔	✔	✔	✔	✔									
	230/400													✔								
	24 AC/60 DC/250														✔	✔	✔					
	500																					
IEC: rated current [A]		23	23	16	16	16	16	10	10	10	10	10	10	16	10	10	10	10	10	10	10	10
UL: rated voltage [V]		600	600	600	600	600	600	48	48	48	48	48	48	600	250	250	250	250	250	250	250	250
UL: rated current [A]		10	10	14	14	14	14	10	10	10	10	10	10	16	10	10	10	10	10	10	10	10
CSA: rated voltage [V]		400	400	600	600	600	600	48	48	48	48	48	48	600	-	-	-	-	-	-	-	-
CSA: rated current [A]		10	10	16	16	16	16	10	10	10	10	10	10	16	-	-	-	-	-	-	-	-
Suitable housing		H-A 3	H-A 3	H-A 10	H-A 16	H-A 32	H-A 48	H-A 3	H-A 3	H-A 10	H-A 10	H-A 16	H-A 16	H-A 3	H-A 3	H-A 3	H-A 3	H-A 10	H-A 10	H-A 16	H-A 16	H-B 16

Usage criteria		EPIC® rectangular connectors/inserts																				
Main catalogue page		544	545	545	546	546	547	547	547	547	548	548	548	550	550	550	552	552	552	554	554	554
		EPIC® H-D 40	EPIC® H-D 64	EPIC® H-D 64	EPIC® H-DD 24	EPIC® H-DD 42	EPIC® H-DD 72	EPIC® H-DD 108	EPIC® H-DD 144	EPIC® H-DD 216	EPIC® H-BE 6	EPIC® H-BE 6	EPIC® H-BE 6	EPIC® H-BE 10	EPIC® H-BE 10	EPIC® H-BE 10	EPIC® H-BE 16	EPIC® H-BE 16	EPIC® H-BE 16	EPIC® H-BE 24	EPIC® H-BE 24	EPIC® H-BE 24
Parameter																						
Number of contacts		40 + PE	64 + PE	64 + PE	24 + PE	42 + PE	72 + PE	108 + PE	144 + PE	216 + PE	6 + PE	6 + PE	6 + PE	10 + PE	10 + PE	10 + PE	16 + PE	16 + PE	16 + PE	24 + PE	24 + PE	24 + PE
Connection system:	screw										✔			✔			✔			✔		
	solder																					
	crimp	✔	✔	✔	✔	✔	✔	✔	✔	✔		✔			✔			✔			✔	
	cage clamp												✔			✔			✔			✔
Suitable contacts:	H-BE 2.5, machined											✔			✔			✔			✔	
	H-D 1.6, machined		✔		✔	✔	✔	✔	✔	✔												
	H-D 1.6, stamped	✔		✔																		
Cross-section [mm²]		0.14 – 2.5	0.14 – 2.5	0.14 – 2.5	0.14 – 2.5	0.14 – 2.5	0.14 – 2.5	0.14 – 2.5	0.14 – 2.5	0.14 – 2.5	0.5 – 2.5	0.5 – 4.0	0.5 – 2.5	0.5 – 2.5	0.5 – 4.0	0.5 – 2.5	0.5 – 2.5	0.5 – 4.0	0.5 – 2.5	0.5 – 2.5	0.5 – 4.0	0.5 – 2.5
IEC: rated voltage [V]	400																					
	250	✔	✔	✔	✔	✔	✔	✔	✔	✔												
	24 AC/60 DC																					
	230/400																					
	24 AC/60 DC/250																					
	500										✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
IEC: rated current [A]		10	10	10	10	10	10	10	10	10	16	16	16	16	16	16	16	16	16	16	16	16
UL: rated voltage [V]		250	250	250	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
UL: rated current [A]		10	10	10	8.5	8.5	8.5	8.5	8.5	8.5	16	16	16	16	16	16	16	16	16	16	16	16
CSA: rated voltage [V]		-	-	-	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
CSA: rated current [A]		-	-	-	10	10	10	10	10	10	16	16	16	16	16	16	16	16	16	16	16	16
Suitable housing		H-B 16	H-B 24	H-B 24	H-B 6	H-B 10	H-B 16	H-B 24	H-B 32	H-B 48	H-B 6	H-B 6	H-B 6	H-B 10	H-B 10	H-B 10	H-B 16	H-B 16	H-B 16	H-B 24	H-B 24	H-B 24

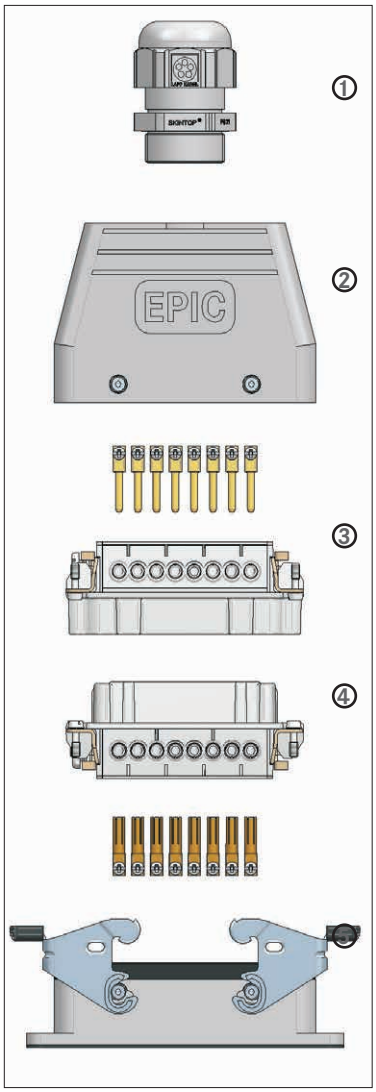
Technical data for EPIC® Rectangular connectors

Usage criteria		EPIC® rectangular connectors/inserts																			
Main catalogue page		552	552	552	552	552	552	556	556	557	557	557	557	558	558	559	559	559			562	562
		EPIC® H-BE 32	EPIC® H-BE 32	EPIC® H-BE 32	EPIC® H-BE 48	EPIC® H-BE 48	EPIC® H-BE 48	EPIC® H-EE 10	EPIC® H-EE 18	EPIC® H-EE 32	EPIC® H-EE 46	EPIC® H-EE 64	EPIC® H-EE 92	EPIC® H-BS 6	EPIC® H-BS 12	EPIC® H-BVE 3	EPIC® H-BVE 6	EPIC® H-BVE 10	EPIC® Terminal adapter TB-H-BE 6	EPIC® Terminal adapter TB-H-BE 10	EPIC® Terminal adapter TB-H-BE 16	EPIC® Terminal adapter TB-H-BE 24
Parameter																						
Number of contacts		32 + PE	32 + PE	32 + PE	48 + PE	48 + PE	48 + PE	10 + PE	18 + PE	32 + PE	46 + PE	64 + PE	92 + PE	6 + PE	12 + PE	3+2 + PE	6+2 + PE	10+2 + PE	6 + PE	10 + PE	16 + PE	24 + PE
Connection system:	screw	✔			✔									✔	✔	✔	✔	✔	✔	✔	✔	✔
	solder																					
	crimp		✔			✔		✔	✔	✔	✔	✔	✔									
	cage clamp			✔			✔															
Suitable contacts:	H-BE 2.5, machined		✔			✔		✔	✔	✔	✔	✔	✔									
Cross-section [mm²]		0.5 – 2.5	0.5 – 4.0	0.5 – 2.5	0.5 – 2.5	0.5 – 4.0	0.5 – 2.5	0.5 – 4.0	0.5 – 4.0	0.5 – 4.0	0.5 – 4.0	0.5 – 4.0	0.5 – 4.0	0.5 – 6.0	0.5 – 6.0	0.5 – 2.5	0.5 – 2.5	0.5 – 2.5	0.5 – 4.0	0.5 – 4.0	0.5 – 4.0	0.5 – 4.0
IEC: rated voltage [V]		500	500	500	500	500	500	500	500	500	500	500	500	500	500	630	630	630	500	500	500	500
IEC: rated current [A]		16	16	16	16	16	16	16	16	16	16	16	16	35	35	16	16	16	16	16	16	16
UL: rated voltage [V]		600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
UL: rated current [A]		16	16	16	16	16	16	16	16	16	16	16	16	35	35	16	16	16	16	16	16	16
CSA: rated voltage [V]		600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
CSA: rated current [A]		16	16	16	16	16	16	16	16	16	16	16	16	35	35	16	16	16	16	16	16	16
Suitable housing:		H-B 32	H-B 32	H-B 32	H-B 48	H-B 48	H-B 48	H-B 6	H-B 10	H-B 16	H-B 24	H-B 32	H-B 48	H-B 16	H-B 32	H-B 10	H-B 16	H-B 24	H-B 6	H-B 10	H-B 16	H-B 24

Usage criteria		EPIC® rectangular connectors/inserts																	
Main catalogue page		563	563	567	568	568	568	569	569	569	570	570	571	571	571	573	576	576	576	576
		EPIC® High-current module, 1+PE	EPIC® High-current module, 2-pin	EPIC® High-voltage module, 3-pin	EPIC® High-voltage module, 4+PE	EPIC® 3-pin module	EPIC® 4-pin module, HE	EPIC® 4-pin module, cage clamp	EPIC® 5-pin module	EPIC® 10-pin module, machined	EPIC® 10-pin module, stamped	EPIC® 20-pin module	EPIC® 3-pin module coaxial	EPIC® Profibus DP module	EPIC® Universal Bus module	EPIC® RJ45 module	EPIC® MCR 6 module frame	EPIC® MCR 10 module frame	EPIC® MCR 16 module frame	EPIC® MCR 24 module frame
Parameter																				
Number of contacts		1 + PE	2	3	4 + PE	3	4	4	5	10	10	20	3	2 + screen	4 + screen	8+4	–	–	–	–
Connection system:	screw	✔	✔											✔	✔					
	solder												✔							
	crimp			✔	✔	✔	✔		✔	✔	✔	✔				✔				
	cage clamp							✔												
Suitable contacts:	MC 3.6, machined			✔		✔														
	MC 2.5, stamped				✔															
	H-BE 2.5, machined						✔													
	MC 2.5, machined								✔											
	H-D 1.6, machined									✔						✔				
	H-D 1.6, stamped										✔									
	MD 1.0, stamped											✔								
	MC coaxial												✔							
	for 2 modules																✔			
	for 3 modules																	✔		
	for 5 modules																		✔	
	for 7 modules																			✔
Cross-section [mm²]		10.0 – 25.0	10.0 – 25.0	1.5 – 10.0	0.5 – 2.5	1.5 – 10.0	0.5 – 4.0	0.5 – 2.5	0.5 – 4.0	0.14 – 2.5	0.14 – 2.5	0.08 – 0.52	–	max. 1.5	max. 1.5	Cat.5 0.14 – 2.5	–	–	–	–
IEC: rated voltage [V]		1000	1000	1000	1000	630	630	400	400	250	250	100	250	30	30	125/ 600	–	–	–	–
IEC: rated current [A]		82	82	50	16	40	25	14	20	10	10	4	-	1	1	1.5/ 10	–	–	–	–
UL: rated voltage [V]		600	600	–	–	600	–	600	400	250	–	100	–	–	–	–	–	–	–	–
UL: rated current [A]		82	82	–	–	40	–	14	20	10	–	4	–	–	–	–	–	–	–	–
CSA: rated voltage [V]		–	–	–	–	600	–	600	400	240	–	100	–	–	–	–	–	–	–	–
CSA: rated current [A]		–	–	–	–	35	–	14	16	10	–	4	–	–	–	–	–	–	–	–
Suitable housing:		**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	H-B 6	H-B 10	H-B 16	H-B 24

**Module frame

EPIC® housings and inserts · Rectangular connectors



1. Cable Gland:
The Cable Gland provides a seal between the cable and the connector housing. It may also be used to offer additional functions like strain relief and and braid continuity for EMC protection.

2. Upper housing: Hood

3. Male insert:
Types of contact termination
- Screw
- Crimp*
- Cage clamp
- Push-In

4. Female insert:
Types of contact termination
- Screw
- Crimp*
- Cage clamp
- Push-In

5. Lower housing:
- Panel mounting (cable entry though cut out in panel)
- Surface mounting (cable entry through a gland into the side of the connector base)
- Cable Connector Hood, cable to cable connection

* contacts must be ordered separately

Please pay attention on the EPIC® Selection table A10, this table is a great guide in helping you to find the right insert and suitable housings. It is particularly convenient using the connector with the connectorfinder in the internet (www.lappgroup.com/connectorfinder) and the connector housing configurator for customized solutions (www.lappgroup.com/connector-housing). You will also find configurated connector kits in our webcatalogue.

High variety of applications with EPIC® rectangular connectors:

- Number of pins from 1 up to 216
- Currents up to 220A
- Voltage up to 1.000V
- Modular system with inserts for power supply, signal and data transmission, fiber optics, coax connection and compressed air
- Termination technologies: Screw, crimp, cage clamp, solder, Push-In
- Housings for cable connection and for the assembly on devices
- **Degree of protection** (depends on the type of housing and the cable gland. Therefore we recommend to use a brass gland with integrated sealing ring for example SKINTOP® MS-M.)
- **EMC protection** (For applications with EMC requirements, we recommend the EPIC® ULTRA in combination with the SKINTOP® BRUSH.)

Tip: Only use tools recommended and approved by Lapp. This ensures the safe and long-term operation of the connector. An assurance of the technical characteristics, as well as the validity of the certificates can only be given if all components are used exclusively by Lapp.

Warning: EPIC® industrial connectors may not be connected or disconnected under load.

Table 31-2: EPIC® housings and inserts

Hood (Fig. 1):
It may have a top or angle (side) entry of different PG sizes to accommodate a wide range of cable diameters. The hood can be mated with either a surface or panel mounting base, or a cable coupler hood (for cable to cable connection).

Panel mount base (Fig. 2):
It is wired from below though a hole cut in a panel. The panel base is attached to the surface of a control panel for connection of control or power cables.

Surface mount base (Fig. 3):
The surface base is a complete enclosure only offering cable entry through a cable gland mounted either on one or both sides of the base.

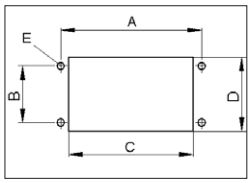
Cable Coupler (Fig. 4):
The cable connector hood mates with a top entry hood to offer cable to cable connection. This is frequently used to extend cables.











Panel cut out for panel mount base (mm)					
Panel mount base	**A**	**B**	**C**	**D**	**E**
H-A 3	30	–	21	21	3.3
H-A 10	70	17.5	57.5	24	3.6
H-A 16	86	17.5	73.7	24	3.6
H-A 32	92	42	74.2	48.4	4.3
H-A 48	110	65	85.5	71	5.5
H-B 6	70	32	52.2	35	4.3
H-B 10	83	32	65.2	35	4.3
H-B 16	103	32	85.5	35	4.3
H-B 24	130	32	112.2	35	4.3
H-B 32	110	65	85.5	71	5.5
H-B 48	148	70	117	82	7

Screw connection technology (as DIN EN 60999)				
Screw thread	**M3**	**M4**	**M5**	**M6**
Starting torque Nm	0.5	1.2	2.0	2.5
Clamping screw: H-A, H-BE, H-BVE	●			
Clamping screw: H-BS		●		
Grounding screw: H-A, H-BE, H-BVE		●		
Grounding screw: H-BS			●	
Clamping screw: Module High-Current				●
Fixing screw: Inserts and Module frames	●			

All EPIC® connectors refer to IEC 61984.

EPIC® Industrial connectors · Definitions and instructions for use

General information
Connectors may not be connected or disconnected under load. The temperature range for connectors can be found in the catalog data. The degree of contamination is given in the technical data of the connector. The rated voltage and rated current are based on a power system with DC or AC (rms) at a frequency of 50 or 60 Hz at 0 ... 2000 m above sea level, and are given in the technical data of the connector. For other applications, the additional loads (e.g. electrical, chemical, climatic, biological, mechanical or radioactive) can mean for the connector, or request mateability with competitive products the user is responsible for the review and approval.

Connectors
Connectors are devices that are not for connection or disconnection under load.
Application Note: This distinguishes these kind of connectors from plug devices that may be connected or disconnected under load. When connecting or disconnecting a connector under load, sparks and at short-term high temperatures that can cause damage to the contact surface and finally a total failure of the connector.

Types of connection
For EPIC® Industrial Connectors different connection types of wire to the electrical contact are available. There is the classic screw, crimping, soldering and the spring-loaded terminals and Push-In.
Application Note: Each of these connection types has advantages and disadvantages. Screw is the simplest and a very common practice. Crimping gives with the appropriate crimping tool 100% process-reliable results, but it requires special tools. Spring loaded terminals also allows quick and easy connection and is vibration resistant. Soldering requires little space and is often used with small connector systems. Push-In is ideal for massive conductors and cores with wire end sleeves.

Rated voltage
The rated voltage is the voltage according to which the connectors are designed and related to the relevant operating characteristics.
Application Note: The rated voltage is defined depending on the environmental degree of contamination for which the connector it is developed and tested. If the same connector is tested for pollution degree 1, the rated voltage given in the catalogue is significantly higher than when he was tested for pollution degree 2. EPIC® connectors are generally designed for pollution degree 3 and therefore have high safety reserves, even if the plug moist inside or should be dirty.

Rated current
A current value assigned by the manufacturer, which the connector or PSD can carry continuously (without interruption) and simultaneously through all its contacts wired with the largest conductor preferrably at an ambient temperature of 40°C without the upper temperature being exceeded. The rated current is specified for the largest conductor cross-section.

Rated impulse withstand voltage
The test voltage is the maximum voltage at which a connector will not be subjected to flashover under the set conditions.
Application Note: In this specified voltage there will be no spark damage to the connector.

EMC (electromagnetic compatibility)
The capacity of an electrical installation to function satisfactorily in its electromagnetic environment without an unacceptable influence to the environment which also includes other installations (DIN/VDE 0870, Section1).
Application Note: For good EMC shielding, there is a diagram that describes the behavior for different frequencies. This serves as an evaluation criterion to compare different components. In the industrial sector, the interfering frequencies are in the lower frequency range. Typically less than 100kHz. In this frequency range, it depends mainly on a low impedance, high crosssection, 360° shielding. When evaluating the different EMC concepts such qualitative parameters can be recognized easily. The EPIC® ULTRA housing convinces with a highly sophisticated sealing and contact technology. The innovative design allows safe EMC contact and allows the current on the cable screen to flow to the ground. The 360° shield connection is done via the cable gland SKINTOP® BRUSH.

Coding
Coding is a system by which it is possible to prevent interfacing confusion between adjacent connectors which are of the same configuration. This is useful if two or more connectors of the same type are mounted on the same unit
Application Note: So plugging errors and incorrect wiring is prevented. When coding the rectangular connector with guide pin and guide bushing in addition the plug insert is centered. Uncentred connection is prevented resulting in an increased service life of the contacts. For every EPIC® connectors exists the right coding element.

EPIC® Industrial connectors · Definitions and instructions for use

Contact : The coating of the base material with a precious metal is necessary to guarantee a long lasting and good connection. The contacts are plated normally by galvanic processes. To reach a long-lasting plating, there are some requirements for the contact and the plating material.
Lapp uses mainly silver (Ag) and gold (Au) for surface coating,

- Silver has the highest electrical conductivity of all metals and is the most cost effective precious metal. By sulfur or sulfur-containing substances in the ambient air rapidly forms a brownish to black oxide layer of silver sulfide (Ag2S). This layer, however, can break during mating or is broken at high currents, so that the required electrical conductivity is maintained. Passivation of the silver surface reduces the formation of the oxide layer and reduces the plug and pulling forces.
- Gold is the most stable precious metal. The oxide and sulfide formation can be neglected. Gold contacts are characterized by low insertion and extraction forces. They are mainly used in the transmission of signals with low current and voltage values. Due to high-precision manufacturing of contacts and selection of the contact materials is the lifetime of the EPIC® connector very high.

Mating cycles: Mating cycles are mechanical operations of connectors by insertion and removal. **Application Note:** The maximum number of mating cycles resulting from the increase in the resistance of the connection after X-time insertion and removal. This must not be more than 50% increase in-or exceed 5mOhm. Another soft factor is the condition of the contacts or the locking elements. There should be no harmful abrasion inside the connector. EPIC® has for the soft factors extremely high internal standards. This internal review can vary widely depending on the manufacturer.

Temperature range: The temperature range is determined by the upper and lower limit temperature. These temperatures are the highest and lowest allowable temperatures at which a connector must still be operated.
Application Note: The higher temperature limit includes the heating of contacts and the-ambient temperature. It is always measured at the hottest point. These are either the transition of the crimp area or the contacts in general. The temperature of the protective housing is usually much lower than the hottest point of contact. The lower limit temperature is the lowest permissible temperature at which a connector may be operated. In particular, the sealing materials get stiff at low temperatures and lose elasticity. Is the connector mated or unmated under in this temperature range, separated or assembled, it may cause damage to the seals. At static use depending on the connector system and application can be used at a lower temperature range. Due to the used materials and the design of the housing the temperature range of the EPIC® connectors is very wide.

Degree of pollution
Numerical value which states the anticipated pollution in the micro-environment. The pollution degree 3 is typical for industrial environments, whilst pollution degree 2 is typical for households.

Pollution degree 1: No pollution or only dry, non-conductive pollution occurs. This pollution has no influence. Example for environment: Open, unprotected insulation in air-conditioned or clean, dry rooms.

Pollution degree 2: Only non-conductive pollution occurs. Occasionally, however, it may be anticipated that transient conductivity arises due to condensation. Example for environment: Open unprotected insulations in residential, commercial or business premises (fine mechanical engineering workshops, laboratories, test areas, rooms used for medical purposes).

Pollution degree 3: Conductive pollution arises, or dry, non-conductive pollution which becomes conductive because condensation has to be anticipated. Example for environment: Example: Open unprotected insulations in rooms of industrial, commercial and agricultural companies, unheated storage rooms, boilerhouses and workshops.

Pollution degree 4: The pollution generates persistent conductivity caused by conductive dust, rain or snow.

Pre-mating contact: If the construction of the circuit requires that for safety reasons, e.g. for neutral conductors, one or several contacts of a connector have to make contact first upon mating, or have to be separated last upon unmating, then connectors with switch (extended) contacts are used.

Safety note: In the case of EPIC® inserts such as H-BE or H-BS, the protective conductor connection can be changed. When connecting the protective conductor, the low-resistance connection to the protective conductor of the counter piece must not be interrupted. Terminal screw changes must be performed on both sides to ensure that the protective function is maintained.
Otherwise, the relevant specifications apply in accordance with: DIN EN 50110-1 (VDE 0105-1) – Operation of electrical installations. It is up to the user to assess whether, in specific areas of application not covered by us, the components listed in this catalogue comply with regulations other than those specified here. We reserve the right to make constructional and design modifications due to quality improvements, enhancements or manufacturing requirements. The information in this catalogue serves to specify the components and does not guarantee properties.
Assurance of the technical properties can only be given if all components are supplied by Lapp. Otherwise, any testing and approval is the responsibility of the operator.

Certificates: VDE, certificate number 40016270, 40011894, 40013251, 40019264UL, file number: E75770, E249137, E192484 CSA files: E75770, E249137, E192484 TÜV

For further information on the topic, see 2016/2017 main catalogue: Table T22: Definition of protection according to EN 60529 and DIN 40050 Table T23-1: PG/Metric: Connection thread of EPIC® housing

Notes

Notes

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The following applies for the use of our products

The conformity of our products to the relevant European directives and compliance with the provisions contained therein shall be indicated by the CE marking.

The safety of our products is closely associated with how they are used. A knowledge of and adherence to the respective international/national standards of use (e.g. DIN VDE 0100; 0298) are mandatory. There are particular risks if installed improperly. This applies to all our products/items:

Processing is only to be done by an authorised electrician! Otherwise, there is the risk of an electric shock or a fire ignited by electric current!

Safety

Without exception, our products are tested for application safety in accordance with defined standards and our own regulations, which complement the standards. Relevant legal requirements and safety regulations are also observed. Provided due care and attention is paid, the possibility of product-specific danger to the user may thus reasonably be excluded. Where products are used carelessly or incorrectly, however, considerable danger to persons and the environment may arise. For this reason, our cables must only be processed and/or used responsibly by trained electricians or specialists. This catalogue contains general information for the application of each product. Independent of such information, the application standards DIN VDE 0298 and DIN VDE 0891 for cables will apply. Excerpts from these standards, as well as complementary selection and application tables, design and installation guidelines, are contained in the tables in the appendix to the current main catalogue. Our machines and installation tools are – where necessary – designed in accordance with the machine guidelines and display the CE identification mark. It must be noted, however, that our machines and installation tools must only be used by trained specialist personnel and for the purpose for which they were designed.

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