

THE WORLD OF LAPP

EPIC® Industrial connectors – simply complete



Legend for icons

INDUSTRIES



Mechanical and
Plant Engineering



Solar Energy

PRODUCT CHARACTERISTICS



Mechanical resistance



Quantity



Assembly time



Optimum strain relief



Robust



Connector with
standard housing unit



Interference signals



UV-resistant



Waterproof



Info

- Complete connectors - easy to order starting from 1 piece



+



= Complete connection

Plug

Socket

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.

content



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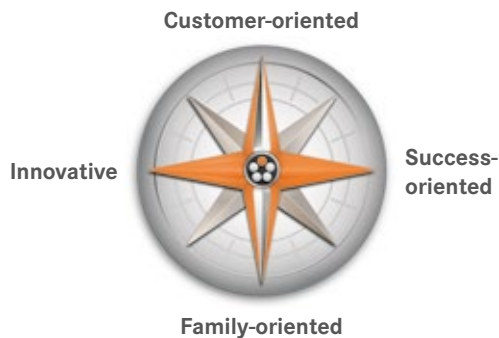
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Andreas Lapp,
Matthias Lapp,
Ursula Ida Lapp,
Alexander Lapp,
Siegbert Lapp.

family

On course for success



Family business and global player

LAPP is both. The history of our company has been one of success and expansion ever since it was founded in 1959 by Ursula Ida and Oskar Lapp. It remains resolutely family owned to this day. We safeguard our success by staying close to our customers and markets, maintaining our innovative strength and brand quality, and being a reliable partner. We provide continuity, always guided in our thoughts and actions by our values.

Success built on family values

At LAPP, we maintain values that promote cooperation and enable relationships with employees, suppliers and customers based on partnership and trust. Good relations and mutual respect are key elements of our company culture and a central plank of company policy. We know that our successful business development of the last decades is down in particular to our 3,770 skilled and dedicated staff around the world, as well as the reliable partnership with our customers.

With 17 production facilities, over 40 sales companies and hundreds of dedicated consultants, we are always close to the individual needs and challenges of our customers all over the globe. We are constantly developing our products and system solutions, setting standards in safety, quality and functionality. This is why we are one of the world's leading manufacturers of integrated solutions and branded products in cable and connection technology. As our success story enters its third generation, we are aware of our duty to the future.



www.lappkabel.com/company



EPIC®

[for when things get extreme]

EPIC® for the longest railway tunnel in the world

In June 2016, after more than 20 years of construction, the Gotthard Base Tunnel in Switzerland, which will be the longest railway tunnel in the world at 57 kilometres, is set to have its grand opening. What hardly anyone knows is that EPIC® industrial connectors from LAPP have also contributed to the success of this construction of the century. In order to dig the two railway tunnels from north to south through the hard rock, four tunnel boring machines from the tunnel

construction experts Herrenknecht based in Schwanau (Baden-Württemberg, Germany) were used. Just one machine (the so-called Gripper TBM) has over 26 tons of pressing force, is 400 metres long and 9 metres wide. This makes it possible to break down even the hardest stone. EPIC® connectors were used here as extension connectors, since the further the tunnel boring machine is driven into the mountain the longer the cable for the power supply and controls

must be. The EPIC® H-BE connectors were interconnected with housings and inserts every 50 metres to ensure that everything works reliably. These connectors are particularly suitable for higher voltages and currents and boast a high level of reliability. This is particularly important deep in the tunnel. Incidentally: the new tunnel will shorten the travel time for trains running between Zurich and Milan by an hour to just 2 hours and 40 minutes.

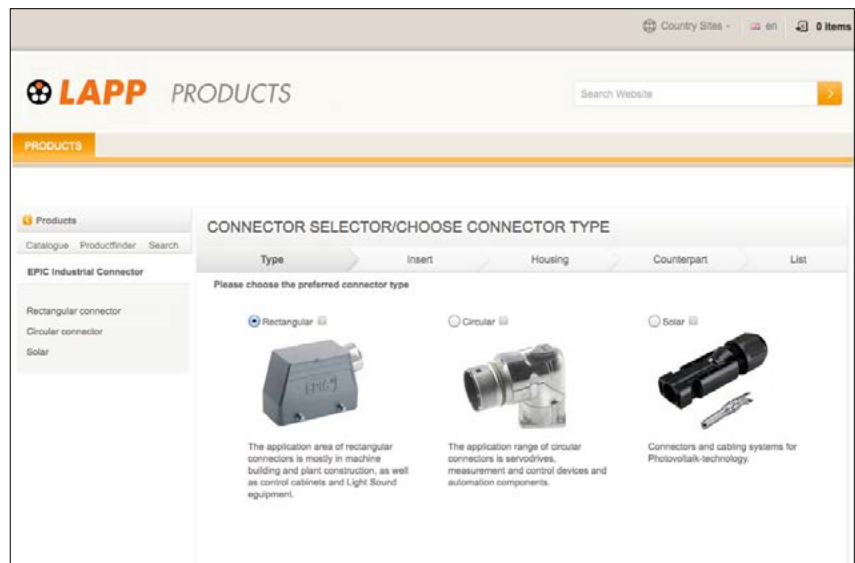
EPIC® connectors also help to supply power to the tunnel boring machines from Herrenknecht in the Gotthard Base Tunnel



Finding solutions

EPIC® Connector Selector – Support for configuration of Industrial Connectors

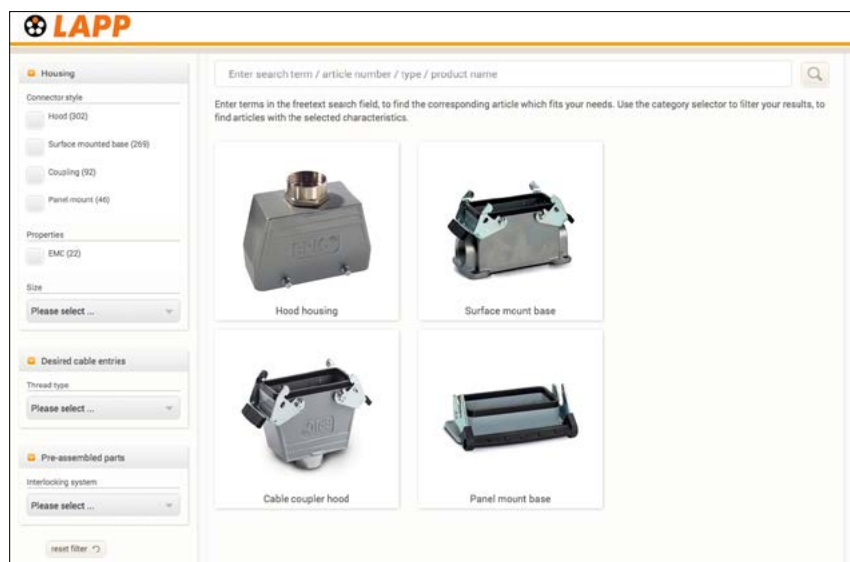
Design, insert, housing and counterpart. These four selections take you to the appropriate connector in just a few clicks.



<http://products.lappgroup.com/connectorselector.html>

Cable Connector Selector


Configure your own individual industrial connector housing with locking concept and cable entries.



<http://products.lappgroup.com/connector-housing.html>

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 mm ² 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 | 18 A | 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 |

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

*Find more information about EPIC® circular connectors and EPIC® SOLAR connectors in our general catalogue.

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.

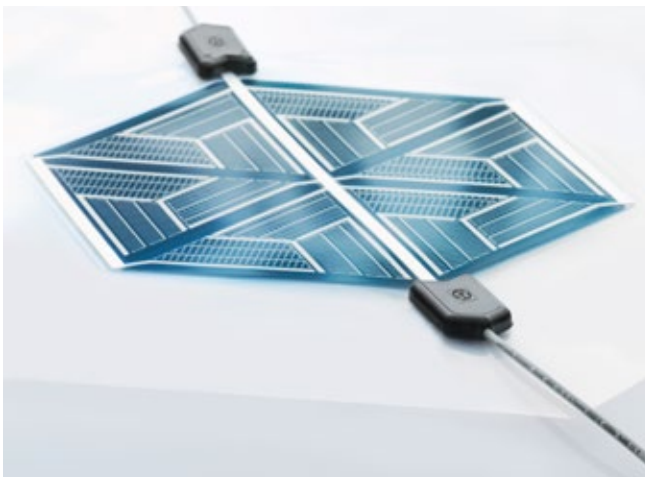
www.lappgroup.com/connectorfinder

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



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

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

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

*Find more information about EPIC® circular connectors and EPIC® SOLAR connectors in our general catalogue.

EPIC® Industrial connectors



Rectangular connectors • EPIC® Rectangular Kits



EPIC® ULTRA KIT H-B 6

Benefits

- EMC protection
- Corrosion-resistant
- Push-In inserts – fast and easy tool free connection technology

Technical data

| | |
|--|---|
| | Rated voltage (V) IEC: 500 V UL: 600 V CSA: 600 V |
| | Rated current (A) IEC: 16 A UL: 13 A CSA: 13 A |
| | Number of contacts 6 + PE |



Info

- Complete connectors – easy to order



| Article number | Pieces/PU |
|----------------|-----------|
| 75009734 | 1 |

Article numbers for single components

- 70250202
- 44423200

EPIC ULTRA Kit H-B 6 SP TG LB 9-17



- Male insert EPIC® H-BE 6 Push-In termination
- EMC hood EPIC® ULTRA H-B 6
- Integrated SKINTOP® cable gland



| Article number | Pieces/PU |
|----------------|-----------|
| 75009735 | 1 |

Article numbers for single components

- 70250205
- 44423200

EPIC ULTRA Kit H-B 6 SP TS LB 9-17



- Male insert EPIC® H-BE 6 Push-In termination
- EMC hood EPIC® ULTRA H-B 6
- Integrated SKINTOP® cable gland



| Article number | Pieces/PU |
|----------------|-----------|
| 75009736 | 1 |

Article numbers for single components

- 70250206
- 44423201

EPIC ULTRA Kit H-B 6 BP AG LB



- Female insert EPIC® H-BE 6 Push-In termination
- EMC panel-mount base EPIC® ULTRA H-B 6



| Article number | Pieces/PU |
|----------------|-----------|
| 75009737 | 1 |

Article numbers for single components

- 70250209
- 44423201

EPIC ULTRA Kit H-B 6 BP SGR LB 9-17



- Female insert EPIC® H-BE 6 Push-In termination
- EMC surface-mount base EPIC® ULTRA H-B 6
- Integrated SKINTOP® cable gland



EPIC® ULTRA KIT H-B 10

Benefits

- EMC protection
- Corrosion-resistant
- Push-In inserts – fast and easy tool free connection technology

Technical data

| | |
|--|---|
| | Rated voltage (V) IEC: 500 V UL: 600 V CSA: 600 V |
| | Rated current (A) IEC: 16 A UL: 13 A CSA: 13 A |
| | Number of contacts 10 + PE |

Info

- Complete connectors – easy to order

EPIC® ULTRA Kit H-B 10 SP TS QB 11-21



- Male insert EPIC® H-BE 10 Push-In termination
- EMC hood EPIC® ULTRA H-B 10
- Integrated SKINTOP® cable gland

| Article number | Pieces/PU |
|----------------|-----------|
| 75009738 | 1 |

Article numbers for single components

- 70250212
- 44423202



EPIC ULTRA Kit H-B 10 BP AG QB



- Female insert EPIC® H-BE 10 Push-In termination
- EMC panel-mount base EPIC® ULTRA H-B 10

| Article number | Pieces/PU |
|----------------|-----------|
| 75009739 | 1 |

Article numbers for single components

- 70250213
- 44423203



EPIC® Industrial connectors



Rectangular connectors • EPIC® Rectangular Kits



EPIC® ULTRA KIT H-B 16

Benefits

- EMC protection
- Corrosion-resistant
- Push-In inserts – fast and easy tool free connection technology

Technical data

| | |
|--|---|
| | Rated voltage (V) IEC: 500 V UL: 600 V CSA: 600 V |
| | Rated current (A) IEC: 16 A UL: 13 A CSA: 13 A |
| | Number of contacts 16 + PE |



Info

- Complete connectors – easy to order



| Article number | Pieces/PU |
|----------------|-----------|
| 75009740 | 1 |

Article numbers for single components

- 70250216
- 44423204

EPIC ULTRA Kit H-B 16 SP TS QB 11-21



- Male insert EPIC® H-BE 16 Push-In termination
- EMC hood EPIC® ULTRA H-B 16
- Integrated SKINTOP® cable gland



| Article number | Pieces/PU |
|----------------|-----------|
| 75009741 | 1 |

Article numbers for single components

- 70250217
- 44423205

EPIC ULTRA Kit H-B 16 BP AG QB



- Female insert EPIC® H-BE 16 Push-In termination
- EMC panel-mount base EPIC® ULTRA H-B 16



EPIC® ULTRA KIT H-B 24

Benefits

- EMC protection
- Corrosion-resistant
- Push-In inserts – fast and easy tool free connection technology

Technical data

| | |
|--|---|
| | Rated voltage (V) IEC: 500 V UL: 600 V CSA: 600 V |
| | Rated current (A) IEC: 16 A UL: 13 A CSA: 13 A |
| | Number of contacts 24 + PE |

Info

- Complete connectors – easy to order

EPIC ULTRA Kit H-B 24 SP TS QB 11-21



- Male insert EPIC® H-BE 24 Push-In termination
- EMC hood EPIC® ULTRA H-B 24
- Integrated SKINTOP® cable gland

| Article number | Pieces/PU |
|----------------|-----------|
| 75009742 | 1 |

Article numbers for single components

- 70250221
- 44423206



EPIC ULTRA Kit H-B 24 BP AG QB



- Female insert EPIC® H-BE 24 Push-In termination
- EMC panel mount base EPIC® ULTRA H-B 24

| Article number | Pieces/PU |
|----------------|-----------|
| 75009743 | 1 |

Article numbers for single components

- 70250222
- 44423207





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

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 starting from 1 piece

+ = Complete connection



| Article number | Pieces/PU |
|---|-----------|
| EPIC® H-A 3 Kits Thermoplastic | |
| 75009601 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 |
|--|-----------|
| H-A 3 Tgv M20 | |
| 75009603 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 |
|--|-----------|
| H-A 3 Ts M20 | |
| 75009605 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 |
|---|-----------|
| H-A 3 Ag | |
| 75009607 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 |
|--|-----------|
| H-A 3 Ags | |
| 75009609 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 |
|--|-----------|
| H-A 3 Agsv M20 | |
| 75009611 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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

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 starting from 1 piece

+ = Complete connection

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 |
|--|-----------|
| H-A 3 MTgv M20 | |
| 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 |
|--|-----------|
| H-A 3 Ts M20 | |
| 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 |
|--|-----------|
| H-A 3 Mags | |
| 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 |
|--|-----------|
| H-A 3 Magsv M20 | |
| 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 |
|--|-----------|
| H-A 3 MAgsv M20 | |
| 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

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 starting from 1 piece

+ = Complete connection



| Article number | Pieces/PU |
|---|-----------|
| EPIC® H-A 4 Kits Thermoplastic | |
| 75009613 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • H-A 4 SS 10431000 • H-A 3 Tgv M20 19426000 | |

| Article number | Pieces/PU |
|--|-----------|
| H-A 3 Tgv M20 | |
| 75009615 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • H-A 4 SS 10431000 • H-A 3 Ts M20 19427000 | |

| Article number | Pieces/PU |
|--|-----------|
| H-A 3 Ts M20 | |
| 75009617 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • H-A 4 BS 10432000 • H-A 3 Ag 10422000 | |

| Article number | Pieces/PU |
|---|-----------|
| H-A 3 Ag | |
| 75009619 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • H-A 4 BS 10432000 • H-A 3 Ags 10423000 | |

| Article number | Pieces/PU |
|--|-----------|
| H-A 3 Ags | |
| 75009621 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • H-A 4 BS 10432000 • H-A 3 Agsv M20 19421900 | |

| Article number | Pieces/PU |
|--|-----------|
| H-A 3 Agsv M20 | |
| 75009623 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • H-A 4 BS 10432000 • H-A 3 Tgvb M20 19429000 | |

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

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

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

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

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

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

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 starting from 1 piece

+ = Complete connection

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

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

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

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

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

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 | |
| 75009614 | 1 |

Article numbers for single components

- H-A 4 SS 10431000
- H-A 3 MTgv M20 19512100

| Article number | Pieces/PU |
|-----------------------|-----------|
| H-A 3 MTgv M20 | |
| 75009616 | 1 |

Article numbers for single components

- H-A 4 SS 10431000
- H-A 3 Ts M20 19512300

| Article number | Pieces/PU |
|---------------------|-----------|
| H-A 3 Ts M20 | |
| 75009618 | 1 |

Article numbers for single components

- H-A 4 BS 10432000
- H-A 3 Mag 10422500

| Article number | Pieces/PU |
|------------------|-----------|
| H-A 3 Mag | |
| 75009620 | 1 |

Article numbers for single components

- H-A 4 BS 10432000
- H-A 3 Mags 10423500

| Article number | Pieces/PU |
|-------------------|-----------|
| H-A 3 Mags | |
| 75009622 | 1 |

Article numbers for single components

- H-A 4 BS 10432000
- H-A 3 MAGsv M20 19512700

| Article number | Pieces/PU |
|------------------------|-----------|
| H-A 3 MAGsv M20 | |
| 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 starting from 1 piece

 +  = Complete connection



| Article number | Pieces/PU |
|--|-----------|
| EPIC® H-A 10 Kits | |
| 75009625 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 |
|--|-----------|
| H-A 10 TG M20 | |
| 75009626 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 |
|---|-----------|
| H-A 10 TS M20 | |
| 75009627 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 |
|--|-----------|
| H-A 10 AG-LB | |
| 75009628 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 |
|--|-----------|
| H-A 10 SGR-LB M20 | |
| 75009629 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 starting from 1 piece

+ = Complete connection

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 |
|--|-----------|
| H-A 16 TG M20 | |
| 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 |
|--|-----------|
| H-A 16 TS M20 | |
| 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 |
|--|-----------|
| H-A 16 AG-LB | |
| 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 |
|--|-----------|
| H-A 16 SGR-LB M20 | |
| 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 V UL: 600 V CSA: 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 starting from 1 piece

 +  = Complete connection



| 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 |
|--|-----------|
| H-B 6 TS M20 | |
| 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 |
|--|-----------|
| H-B 6 TS M20 | |
| 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 |
|--|-----------|
| H-B 6 AG-LB | |
| 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 |
|--|-----------|
| H-B 6 SGR M20 | |
| 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 V UL: 600 V CSA: 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 starting from 1 piece

+ = Complete connection

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 |
|--|-----------|
| H-B 10 TG M25 | |
| 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 |
|--|-----------|
| H-B 10 TS M25 | |
| 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 |
|--|-----------|
| H-B 10 AG | |
| 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 |
|--|-----------|
| H-B 10 SGR M25 | |
| 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 V UL: 600 V CSA: 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 starting from 1 piece

+ = Complete connection



| Article number | Pieces/PU |
|---|-----------|
| EPIC® H-BE 16 Kits | |
| 75009645 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 female insert
- With wire protection
- EPIC® H-B 16 hood



| Article number | Pieces/PU |
|---|-----------|
| H-B 16 TG M25 | |
| 75009646 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 female insert
- With wire protection
- EPIC® H-B 16 hood



| Article number | Pieces/PU |
|---|-----------|
| H-B 16 TS M25 | |
| 75009647 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 |
|--|-----------|
| H-B 16 AG | |
| 75009648 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 |
|--|-----------|
| H-B 16 SGR M25 | |
| 75009649 | 1 |
| Article numbers for single components | |
| <ul style="list-style-type: none"> • 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 V UL: 600 V CSA: 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 starting from 1 piece

+ = Complete connection

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 |
|--|-----------|
| H-B 24 TG M25 | |
| 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 |
|--|-----------|
| H-B 24 TS M25 | |
| 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 |
|--|-----------|
| H-B 24 AG | |
| 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

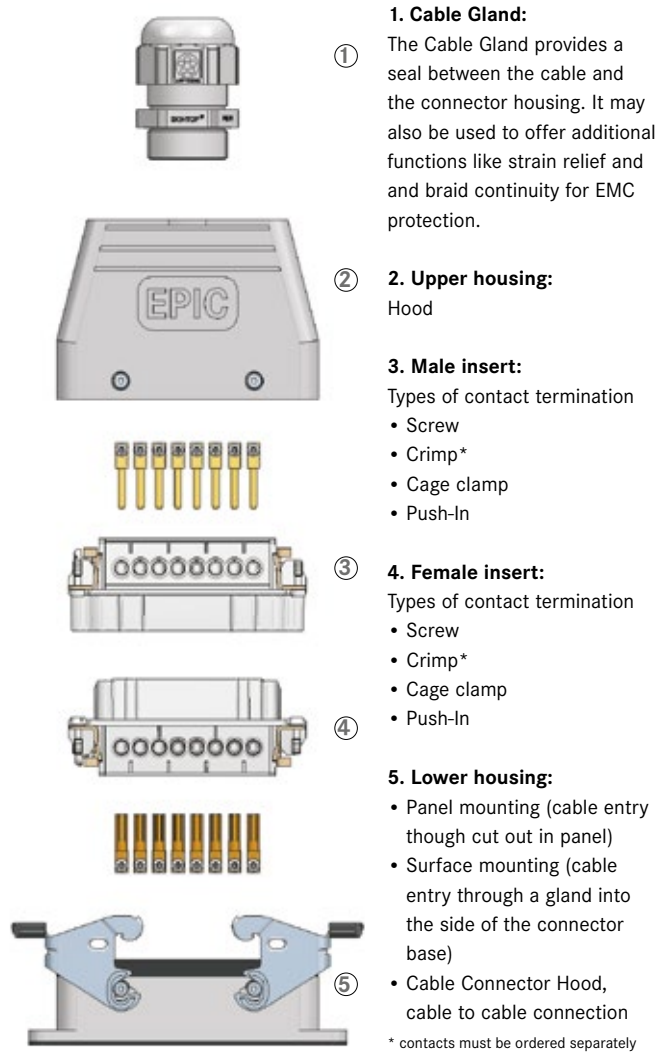


- EPIC® H-BE 24 screw-termination female insert
- With wire protection
- EPIC® H-B 24 cable coupler hood

| Article number | Pieces/PU |
|--|-----------|
| H-B 24 SGR M25 | |
| 75009654 | 1 |
| Article numbers for single components | |
| • EPIC® H-BE 24 BS 10197000 | |
| • H-B 24 TBF M25 19127000 | |



Table 31-1: EPIC® rectangular connectors



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 configured 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):

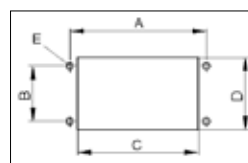
It is wired from below through a hole cut in a panel. The panel base is attached to the surface of a control panel for connection of control or power cables.

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.

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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 this 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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