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
  
  Plug + Socket = Complete connection

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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From small start-up to Global Player

The name Lapp not only stands for innovative strength and quality, it also stands for continuity. The Lapp company was founded by Ursula Ida and Oskar Lapp in 1957 as an ambitious family company – and to this day has remained as such.

The desire to actively shape the future and the courage to embrace change and to think in a visionary way that is focused on solutions and customers are what make the company great. Our relationships with our employees, suppliers and customers which are based on partnership have always played a central role here. In less than 50 years, the small Stuttgart-based family business has evolved into a global player with around 3,200 employees – and into an international market leader for cable technology.

All the signs are pointing towards the future. This has not only become clear at Lapp’s new, state-of-the-art European headquarters in Stuttgart-Vaihingen. The third generation of the Lapp family has now taken on responsibilities within the company. Thinking and acting in a value-oriented way is and remains an important component of the company philosophy. After all, the name Lapp also stands for this.
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® 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® for the longest railway tunnel in the world
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.

![EPIC® Connector Selector](image)

**Cable Connector Selector**

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

![Cable Connector Selector](image)

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

http://products.lappgroup.com/connector-housing.html
## EPIC® Industrial connectors · At a glance

### Properties

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<th>Rated voltage according to standards</th>
<th>Rated current for largest connection cross section according to standards</th>
<th>Approvals</th>
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<tbody>
<tr>
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<tr>
<td>Crimp</td>
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<td>solder</td>
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### Rectangular – inserts fixed

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<th>Rated current</th>
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<td>0.5 – 2.5</td>
<td>400 V</td>
<td>23 A</td>
<td>VDE, UR, CSA</td>
</tr>
<tr>
<td>EPIC® H-A 10, 16, 32, 48</td>
<td>0.5 – 2.5</td>
<td>600 V</td>
<td>35 A</td>
<td>VDE, UR, CSA</td>
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<tr>
<td>EPIC® STA 6, 14, 20</td>
<td>0.5 – 1.5/ max. 1.5</td>
<td>24 VAC/60 VDC</td>
<td>10 A</td>
<td>UR, CSA</td>
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<tr>
<td>EPIC® H-Q 5</td>
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<td>230 V/400 V</td>
<td>10 A</td>
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<td>EPIC® H-D 7, 8</td>
<td>0.14 – 2.5</td>
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<td>10 A</td>
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<td>EPIC® H-D 15, 25, 40, 64</td>
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<td>10 A</td>
<td>UR, CSA</td>
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<tr>
<td>EPIC® H-D 24, 42, 72, 108</td>
<td>0.5 – 2.5</td>
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<td>UR, CSA</td>
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<tr>
<td>EPIC® H-BE 6, 10, 16, 24, 32, 48</td>
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<td>16 A</td>
<td>VDE, cURus</td>
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<td>VDE, cURus</td>
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<td>EPIC® H-BV 3, 6, 10</td>
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<td>630 V</td>
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<td>EPIC® H-BS 6, 12</td>
<td>0.5 – 6.0</td>
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<td>EPIC® H-BVE 3, 6, 10</td>
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<td>16 A</td>
<td>VDE, cURus</td>
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### Rectangular – inserts modular

<table>
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<tr>
<td>EPIC® POWER HC2</td>
<td>10.0 – 25.0</td>
<td>1000 V</td>
<td>82 A</td>
<td>VDE, cURus</td>
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<tr>
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<td>16.0 – 35.0</td>
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<td>150 A</td>
<td>VDE, cURus</td>
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<tr>
<td>POWER HHC1</td>
<td>50.0 – 95.0</td>
<td>1000 V</td>
<td>220 A</td>
<td>VDE, cURus</td>
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<tr>
<td>High voltage 3-pin</td>
<td>1.5 – 10.0</td>
<td>1000 V</td>
<td>50 A</td>
<td>VDE, cURus</td>
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<tr>
<td>High voltage 4+PE</td>
<td>0.5 – 2.5</td>
<td>1000 V</td>
<td>16 A</td>
<td>VDE, cURus</td>
</tr>
<tr>
<td>3-pin</td>
<td>1.5 – 10.0</td>
<td>630 V</td>
<td>40 A</td>
<td>UR, CSA</td>
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<tr>
<td>HE 4-pin</td>
<td>0.5 – 4.0</td>
<td>630 V</td>
<td>25 A</td>
<td>VDE, cURus</td>
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<tr>
<td>Cage clamp 4-pin</td>
<td>0.5 – 2.5</td>
<td>400 V</td>
<td>14 A</td>
<td>VDE, cURus</td>
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<td>5-pin</td>
<td>0.5 – 4.0</td>
<td>400 V</td>
<td>20 A</td>
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<tr>
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<td>10 A</td>
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<tr>
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<td>0.5 – 2.5</td>
<td>250 V</td>
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<tr>
<td>20-pin</td>
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<td>100 V</td>
<td>4 A</td>
<td>VDE, cURus</td>
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<td>Blind</td>
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<td>VDE, cURus</td>
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<tr>
<td>Coaxial</td>
<td>Coaxial</td>
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<tr>
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<tr>
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<td>0.14 – 2.5/ 0.12 – 0.2</td>
<td>600 V/125 V</td>
<td>P*: 10 A</td>
<td>VDE, cURus</td>
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<td></td>
<td>S*: 3.6 A</td>
<td>VDE, cURus</td>
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### Round

<table>
<thead>
<tr>
<th>Connection type</th>
<th>Connection cross section</th>
<th>Rated voltage</th>
<th>Rated current</th>
<th>Approvals</th>
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<tbody>
<tr>
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<td>630 V</td>
<td>12 A</td>
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<tr>
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<td>0.06 – 0.5/ 0.06 – 1.0</td>
<td>60 V</td>
<td>3.6 A</td>
<td>VDE, cURus</td>
</tr>
<tr>
<td>EPIC® POWER M17 3+PE</td>
<td>0.5 – 2.5</td>
<td>630 V</td>
<td>20 A</td>
<td>VDE, cURus</td>
</tr>
<tr>
<td>EPIC® POWER M17 5+PE, 6+PE, 7+PE</td>
<td>0.5 – 1.0</td>
<td>630 V</td>
<td>14 A</td>
<td>VDE, cURus</td>
</tr>
<tr>
<td>EPIC® POWER M17 3+PE+5</td>
<td>0.06 – 1.0/ 0.06 – 0.56</td>
<td>630 V/60 V</td>
<td>P*: 14 A</td>
<td>VDE, cURus</td>
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<tr>
<td>EPIC® SIGNAL M23 6, 7</td>
<td>0.06 – 2.5</td>
<td>150 V</td>
<td>18 A</td>
<td>VDE, cURus</td>
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<tr>
<td>EPIC® SIGNAL M23 8+1</td>
<td>0.06 – 1.0/ 0.06 – 2.5</td>
<td>150 V</td>
<td>20 A</td>
<td>VDE, cURus</td>
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<tr>
<td>EPIC® SIGNAL M23 9</td>
<td>0.06 – 1.0</td>
<td>150 V</td>
<td>7 A</td>
<td>VDE, cURus</td>
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<tr>
<td>EPIC® SIGNAL M22 17</td>
<td>0.06 – 1.0</td>
<td>100 V</td>
<td>7 A</td>
<td>VDE, cURus</td>
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<tr>
<td>EPIC® SIGNAL M23 17</td>
<td>0.06 – 1.0</td>
<td>50 V</td>
<td>7 A</td>
<td>VDE, cURus</td>
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<tr>
<td>EPIC® SIGNAL R3.0</td>
<td>0.06 – 1.0</td>
<td>1000 V</td>
<td>7.5 A</td>
<td>VDE, cURus</td>
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<td>EPIC® POWER LS1 5+PE</td>
<td>0.5 – 1.0</td>
<td>630 V</td>
<td>22 A</td>
<td>VDE, cURus</td>
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<tr>
<td>EPIC® POWER LS1 3+PE+4</td>
<td>0.5 – 1.0/ 0.4 – 0.4</td>
<td>630 V/250 V</td>
<td>22 A</td>
<td>VDE, cURus</td>
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<tr>
<td>EPIC® POWER LS1.5 3+PE+2, 3+PE+4</td>
<td>0.75 – 10.0/ 0.75 – 4.0</td>
<td>630 V/250 V</td>
<td>15 A</td>
<td>VDE, cURus</td>
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<tr>
<td>EPIC® POWERLOCK S</td>
<td>0.50 – 1.20.0</td>
<td>1000 V</td>
<td>40 A</td>
<td>VDE, cURus</td>
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<tr>
<td>EPIC® POWERLOCK C</td>
<td>35.0 – 240.0</td>
<td>1000 V</td>
<td>660 A</td>
<td>VDE, cURus</td>
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### SOLAR

<table>
<thead>
<tr>
<th>Connection type</th>
<th>Connection cross section</th>
<th>Rated voltage</th>
<th>Rated current</th>
<th>Approvals</th>
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</thead>
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<tr>
<td>EPIC® SOLAR 4</td>
<td>2.5 – 6.0</td>
<td>1000 V</td>
<td>30 A</td>
<td>TÜV</td>
</tr>
</tbody>
</table>

Note: P*: Power  S*: Signal  H*: In metal housing; 24 VAC/60 VDC, in plastic housing: 250 V
**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](http://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](http://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 module 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

**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

Photographs are not to scale and do not represent detailed images of the respective products.
EPIC® Industrial connectors
Rectangular connectors • EPIC® Rectangular Kits

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
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<td>Rated voltage (V)</td>
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<tr>
<td>Rated current (A)</td>
<td>IEC: 23 A, UL: 10 A, CSA: 10 A</td>
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<td>Number of contacts</td>
<td>3 + PE</td>
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</tbody>
</table>

Info
• Complete connectors - easy to order starting from 1 piece

EPIC KIT H-A 3 SS TG M20

- EPIC® H-A 3 screw-termination male insert
- EPIC® H-A 3 hood
- Housing: thermoplastic grey

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

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

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

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

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

For current information see: www.lappgroup.com
EPIC® Industrial connectors
Rectangular connectors • EPIC® Rectangular Kits

Benefits
• Pre-packed kits with compatible components
• Uncomplicated ordering
• No misplaced orders

Similar products
• EPIC® H-A 3 Kits Thermoplastic

EPIC® H-A 3 Kits Metal

Technical data

<table>
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<th>Field</th>
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<td>Rated current (A)</td>
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<tr>
<td>Number of contacts</td>
<td>3 + PE</td>
</tr>
</tbody>
</table>

Info
• Complete connectors – easy to order starting from 1 piece

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
---|---
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
---|---
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
---|---
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
---|---
75009610 | 1

Article numbers for single components
- H-A 3 BS 10421000
- H-A 3 Mags 10423500

EPIC KIT H-A 3 BS MTGB 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
---|---
75009612 | 1

Article numbers for single components
- H-A 3 BS 10421000
- H-A 3 Mtgbsv M20 19512700

For current information see: www.lappgroup.com
EPIC® Industrial connectors
Rectangular connectors • EPIC® Rectangular Kits

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

<table>
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Article numbers for single components

H-A 4 SS 10431000
H-A 3 Tgv M20 19426000

H-A 4 SS 10431000
H-A 3 Ts M20 19427000

H-A 4 BS 10432000
H-A 3 Ag 10422000

H-A 4 BS 10432000
H-A 3 Ags 10423000

H-A 4 BS 10432000
H-A 3 Tgsv M20 19429000

EPIC KIT H-A 4 TG 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 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 male insert
EPIC® H-A 3 cable coupler hood
Straight cable entry
Housing: thermoplastic grey

For current information see: www.lappgroup.com
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**

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<td>CSA: 10 A</td>
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<td>Number of contacts</td>
<td>4 + PE</td>
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**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**
- 75009814

**Article numbers for single components**
- H-A 4 SS 10431000
- H-A 3 MTgvm 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**
- 75009816

**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**
- 75009820

**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**
- 75009822

**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**
- 75009824

**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**
- 75009826

**Article numbers for single components**
- H-A 4 BS 10432000
- H-A 3 MTgvm M20 19512900

**Info**
- Complete connectors - easy to order starting from 1 piece
+ = Complete connection

For current information see: www.lappgroup.com
EPIC® Industrial connectors

Rectangular connectors • EPIC® Rectangular Kits

EPIC® H-A 10 Kits

Benefits
- Pre-packed kits with compatible components
- Uncomplicated ordering
- No misplaced orders

Technical data

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Info

- Complete connectors - easy to order starting from 1 piece

EPIC® H-A 10 Kits

Article number: 75009525

Pieces / PU: 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

EPIC KIT H-A 10 SS TS M20

- EPIC® H-A 10 screw-termination male insert
- With wire protection
- EPIC® H-A 10 hood

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

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

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

For current information see: www.lappgroup.com
EPIC® Industrial connectors
Rectangular connectors • EPIC® Rectangular Kits

EPIC® H-A 16 Kits

Benefits
• Pre-packed kits with compatible components
• Uncomplicated ordering
• No misplaced orders

Technical data

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<td>Rated current (A)</td>
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<td>Number of contacts</td>
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</table>

Info
• Complete connectors - easy to order starting from 1 piece

EPIC® H-A 16 Kits

Article number | Pieces / PU
--- | ---
EPIC® H-A 16 Kits | 1

Article numbers for single components
• H-A 16 SS 10530000
• H-A 16 TG M20 19565000

EPIC® 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
--- | ---
H-A 16 SS 10530000 | 1

Article numbers for single components
• H-A 16 TG M20 19565000

EPIC® 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 TS M20 19564000 | 1

Article numbers for single components
• H-A 16 TS 10530000
• H-A 16 SG 10462000

EPIC® 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 BS 10531000 | 1

Article numbers for single components
• H-A 16 AG-LB 10462000

EPIC® 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 SGR-LB M20 19567100 | 1

Article numbers for single components
• H-A 16 BS 10531000
• H-A 16 SGR-LB M20 19567100

EPIC® 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 19563000 | 1

Article numbers for single components
• H-A 16 BS 10531000
• H-A 16 TBF-LB M20 19563000

For current information see: www.lappgroup.com
EPIC® Industrial connectors

EPIC® Rectangular connectors • EPIC® Rectangular Kits

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

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 numbers for single components

- EPIC® H-BE 6 SS 10190000
- H-B 6 TG M20 19011000

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 numbers for single components

- EPIC® H-BE 6 SS 10190000
- H-B 6 TS M20 19012000

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 numbers for single components

- EPIC® H-BE 6 BS 10191000
- H-B 6 AG-LB 10003000

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 numbers for single components

- EPIC® H-BE 6 BS 10191000
- H-B 6 SGR M20 19005000

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

Article numbers for single components

- EPIC® H-BE 6 BS 10191000
- H-B 6 TBF M20 19014000
EPIC® Industrial connectors
Rectangular connectors • EPIC® Rectangular Kits

EPIC® H-BE 10 Kits

Benefits
• Pre-packed kits with compatible components
• Uncomplicated ordering
• No misplaced orders

Technical data

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Info
• Complete connectors - easy to order starting from 1 piece

EPIC® KIT H-BE 10 SS TG M25
• EPIC® H-BE 10 screw-termination male insert
• With wire protection
• EPIC® H-B 10 hood

EPIC® KIT H-BE 10 SS TS M25
• EPIC® H-BE 10 screw-termination male insert
• With wire protection
• EPIC® H-B 10 hood

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

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

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

For current information see: www.lappgroup.com
EPIC® Industrial connectors

EPIC® Rectangular connectors • EPIC® Rectangular Kits

Benefits
• Pre-packed kits with compatible components
• Uncomplicated ordering
• No misplaced orders

Technical data

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Info

• Complete connectors - easy to order starting from 1 piece

EPIC® KIT H-BE 16 SS TG M25

• EPIC® H-BE 16 screw termination female insert
• With wire protection
• EPIC® H-B 16 hood

EPIC® KIT H-BE 16 SS TS M25

• EPIC® H-BE 16 screw termination female insert
• With wire protection
• EPIC® H-B 16 hood

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

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

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

Article number | Pieces / PU
---|---
EPIC® H-BE 16 Kits | 1
H-B 16 TG M25 | 1
H-B 16 TS M25 | 1
H-B 16 AG | 1
H-B 16 SGR M25 | 1
H-B 16 TBF M25 | 1

Technical data

| H-B 16 SS | 10194000 | H-B 16 TG M25 | 19080000 |
| H-B 16 TS | 10194000 | H-B 16 AG | 10072000 |
| H-B 16 BS | 10195000 | H-B 16 SGR M25 | 19074000 |
| H-B 16 TBF | 19086000 |

For current information see: www.lappgroup.com
EPIC® Industrial connectors
Rectangular connectors • EPIC® Rectangular Kits

EPIC® H-BE 24 Kits

Benefits
• Pre-packed kits with compatible components
• Uncomplicated ordering
• No misplaced orders

Technical data

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Info
• Complete connectors - easy to order starting from 1 piece

EPIC® KIT H-BE 24 SS TG M25

- EPIC® H-BE 24 screw-termination male insert
- With wire protection
- EPIC® H-B 24 hood

<table>
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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

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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

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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

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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

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Article numbers for single components
- EPIC® H-BE 24 BS 10197000
- H-B 24 TBF M25 19127000
EPIC® Industrial connectors

Circular connectors • EPIC® SIGNAL M23 Kits

EPIC® SIGNAL M23 Kits 12pole

Benefits
• Uncomplicated ordering
• No misplaced orders
• Pre-packed kits with compatible components

Technical data

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Info
• Complete connectors - easy to order starting from 1 piece

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
--- | ---
75009710 | 1

Article numbers for single components
• E-Part 73002722
• M23 D6 44420037

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
--- | ---
75009711 | 1

Article numbers for single components
• P-part 73002714
• M23 A1 72004000

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
--- | ---
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
• P-part, rotation to the left, anticlockwise
• F6 cable coupler, clamping range 7.0 - 13.5 mm

Article number | Pieces / PU
--- | ---
75009713 | 1

Article numbers for single components
• P-part 73002714
• M23 F6 44420040
EPIC® SIGNAL M23 Kits 12pole

Benefits
• Uncomplicated ordering
• No misplaced orders
• Pre-packed kits with compatible components

Technical data

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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 |
---------------|-------------|
M23 D6         | 1           |

Article numbers for single components
• P-part 73002716
• M23 D6 44420037

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 |
---------------|-------------|
M23 A1         | 1           |

Article numbers for single components
• E-Part 73002720
• M23 A1 72004000

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

Article number | Pieces / PU |
---------------|-------------|
M23 A3         | 1           |

Article numbers for single components
• E-Part 73002720
• 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 |
---------------|-------------|
M23 F6         | 1           |

Article numbers for single components
• E-Part 73002720
• M23 F6 44420040

Info
• Complete connectors - easy to order starting from 1 piece
+ = Complete connection

Rated voltage (V)
100 V (1 mm contacts)

Rated current (A)
7 A (1 mm contacts)
EPIC® SIGNAL M23 Kits 17pole

Benefits

- Uncomplicated ordering
- No misplaced orders
- Pre-packed kits with compatible components

Technical data

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<td>7 A (1 mm contacts)</td>
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<tr>
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Info

- Complete connectors - easy to order starting from 1 piece

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

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

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

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® LS1 Kits 6pole

Benefits
- Pre-packed kits with compatible components
- Uncomplicated ordering
- No misplaced orders

Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated voltage (V)</td>
<td>630 V (2 mm contacts)</td>
</tr>
<tr>
<td>Rated current (A)</td>
<td>26A/3+PE+4, 25A/5+PE (2mm contacts)</td>
</tr>
<tr>
<td>Number of contacts</td>
<td>5 + PE</td>
</tr>
</tbody>
</table>

Info
- Complete connectors - easy to order starting from 1 piece

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 | 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  
--- | ---
LS1 D6 | 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  
--- | ---
LS1 A3 | 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  
--- | ---
LS1 A3 | 1

Article numbers for single components
- LS1 F6 76133000
EPIC® Industrial connectors
Circular connectors • EPIC® POWER LS1 Kits

EPIC® LS1 Kits 8pole

Benefits
• Uncomplicated ordering
• No misplaced orders
• Pre-packed kits with compatible components

Technical data

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Rated voltage (V)" /></td>
<td>Rated voltage (V)</td>
</tr>
<tr>
<td><img src="image" alt="Rated current (A)" /></td>
<td>Rated current (A)</td>
</tr>
<tr>
<td><img src="image" alt="Number of contacts" /></td>
<td>Number of contacts</td>
</tr>
</tbody>
</table>

- **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 starting from 1 piece
- = Complete connection

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
---|---
LS1 D6 | 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
---|---
LS1 A1 | 75009696 | 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
---|---
LS1 A3 | 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

Article number | Pieces / PU
---|---
LS1 F6 | 75009697 | 1

Article numbers for single components
- LS1 A3 24420056
EPIC® SOLAR 4 M

4 mm connector system with double hook
Field-mountable solar connector

EPIC® SOLAR 4 F

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
- TÜV Rheinland certified
- Inclusive contacts

Suitable cables
- ÖLFLEX® SOLAR XLR-R
- ÖLFLEX® SOLAR XLR WP
- ÖLFLEX® SOLAR XLS-R
- ÖLFLEX® SOLAR XLR 1,5kV
- ÖLFLEX® SOLAR XLR 1,5kV WP
- ÖLFLEX® SOLAR XLc

Suitable tools
- EPIC® SOLAR TOOL
- 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 F
  - EPIC® SOLAR 4 THIN
  - EPIC® SOLAR 4 M
  - EPIC® SOLAR 4Plus F

Technical data
- ETIM 5.0 Class-ID: EC002641
- ETIM 5.0 Class-Description: Modular 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

<table>
<thead>
<tr>
<th>Article number</th>
<th>Article designation</th>
<th>Cross-section (mm²)</th>
<th>Clamping range in mm</th>
<th>Rated current (A)</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>M4428200</td>
<td>EPIC® SOLAR 4 M 2.5 mm²</td>
<td>2.5</td>
<td>4.8 - 6.0</td>
<td>22</td>
<td>1</td>
</tr>
<tr>
<td>M4428201</td>
<td>EPIC® SOLAR 4 M 4mm² ... 6mm²</td>
<td>4 - 6</td>
<td>5.2 - 7.1</td>
<td>30</td>
<td>1</td>
</tr>
<tr>
<td>M4428203</td>
<td>EPIC® SOLAR 4 F 2.5 mm²</td>
<td>2.5</td>
<td>5.2 - 6.5</td>
<td>22</td>
<td>1</td>
</tr>
<tr>
<td>M4428204</td>
<td>EPIC® SOLAR 4 F 4mm² ... 6mm²</td>
<td>4 - 6</td>
<td>5.0 - 7.2</td>
<td>30</td>
<td>1</td>
</tr>
<tr>
<td>44428224</td>
<td>EPIC® SOLAR 4 Assembly Tool Set</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

For current information see: www.lappgroup.com
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 finder 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 31-1: EPIC® 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 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 through 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

---

### 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)

<table>
<thead>
<tr>
<th>Panel mount base</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>H-A 3</td>
<td>30</td>
<td>–</td>
<td>21</td>
<td>21</td>
<td>3.3</td>
</tr>
<tr>
<td>H-A 10</td>
<td>70</td>
<td>17.5</td>
<td>57.5</td>
<td>24</td>
<td>3.6</td>
</tr>
<tr>
<td>H-A 16</td>
<td>86</td>
<td>17.5</td>
<td>73.7</td>
<td>24</td>
<td>3.6</td>
</tr>
<tr>
<td>H-A 32</td>
<td>92</td>
<td>42</td>
<td>74.2</td>
<td>48.4</td>
<td>4.3</td>
</tr>
<tr>
<td>H-A 48</td>
<td>110</td>
<td>65</td>
<td>85.5</td>
<td>71</td>
<td>5.5</td>
</tr>
<tr>
<td>H-B 6</td>
<td>70</td>
<td>32</td>
<td>52.2</td>
<td>35</td>
<td>4.3</td>
</tr>
<tr>
<td>H-B 10</td>
<td>83</td>
<td>32</td>
<td>65.2</td>
<td>35</td>
<td>4.3</td>
</tr>
<tr>
<td>H-B 16</td>
<td>103</td>
<td>32</td>
<td>85.5</td>
<td>35</td>
<td>4.3</td>
</tr>
<tr>
<td>H-B 24</td>
<td>130</td>
<td>32</td>
<td>112.2</td>
<td>35</td>
<td>4.3</td>
</tr>
<tr>
<td>H-B 32</td>
<td>110</td>
<td>65</td>
<td>85.5</td>
<td>71</td>
<td>5.5</td>
</tr>
<tr>
<td>H-B 48</td>
<td>148</td>
<td>70</td>
<td>117</td>
<td>82</td>
<td>7</td>
</tr>
</tbody>
</table>

**Screw connection technology (as DIN EN 60999)**

<table>
<thead>
<tr>
<th>Screw thread</th>
<th>M3</th>
<th>M4</th>
<th>M5</th>
<th>M6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Starting torque Nm</td>
<td>0.5</td>
<td>1.2</td>
<td>2.0</td>
<td>2.5</td>
</tr>
<tr>
<td>Clamping screw: H-A, H-B, H-BVE</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clamping screw: H-BS</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grounding screw: H-A, H-B, H-BVE</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grounding screw: H-BS</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clamping screw: Module High-Current</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fixing screw: Inserts and Module frames</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All EPIC® connectors refer to IEC 61984.
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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!

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