

# HIGH-CURRENT PLUGS AND SOCKETS

160 A - 600 A



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160 A - 600 A

 **MENNEKES**  
MY POWER CONNECTION

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PRODUCT INFORMATION

WALL MOUNTED AND PANEL MOUNTED SOCKETS

PLUGS AND CONNECTORS

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WE ARE MENNEKES

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**Product information**



**Wall mounted and panel mounted sockets**



**Plugs and connectors**



**Applications**



**We are MENNEKES**



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## 160 A - 600 A

**High-current plugs and sockets suitable for harsh ambient conditions in industrial applications, mining, construction sites, and energy generation systems.**



The heavy-duty series plugs and sockets extend the currently standardized plugs and sockets according to EN 60309-2 by rated currents from 160 A to 600 A as well as rated voltages of up to 1000 V. They are built in accordance with the following standards: IEC 309-1, EN 60309-1, DIN VDE 0623, Part 1.

### **Finger-safe thanks to contact covers.**

The contact jacks on the sockets and connectors are equipped with contact covers, which reliably prevent coming into contact with live contact jacks. Finger-safe as defined by IEC 309-1/EN 60309-1.

## 160 A - 600 A

**High-current plugs and sockets suitable for harsh ambient conditions in industrial applications, mining, construction sites, and energy generation systems.**

### **Mechanical interlock.**

For non-stationary electrical consumers with a rated current > 125 A, the heavy-duty series with 160 A, 200 A, 250 A, 400 A and 600 A is included as part of the range. This series is suitable for rated voltages from 230 V to 1000 V.

A seawater resistant version is also available for all devices.

The heavy-duty series is designated for use in extremely harsh conditions. For example:

- at construction sites
- on drilling rigs and conveyor systems
- for tunnel construction
- in quarry pits
- in gravel quarries
- in opencast mining
- for crane installations at ports and container ports
- at airports
- as a flexible power supply at major events
- to supply market places
- also available in seawater resistant version





## 160 A - 600 A

### High-current plugs and sockets suitable for harsh ambient conditions in industrial applications, mining, construction sites, and energy generation systems.

#### Surface protection for contacts.

Surface protection against aggressive atmospheres and harsh ambient conditions. Contacts up to 200 A are nickel-plated as standard. Starting with 250 A, the contacts are silver-plated. In order to reduce downtimes, 250 A devices or higher are designed for quick replacement of worn parts. Without opening the device or removing the cable, the contact pins and jacks can be replaced by unscrewing the front section from the terminal.



#### Outer strain relief for simple cable insertion.

Plugs, connectors, inlets and wall mounted sockets are supplied with trumpet-shaped cable glands suitable for cable diameters from 34 to 66 mm (160 A to 400 A), or 55 to 85 mm (600 A). The outer strain relief facilitates cable insertion and ensures that the cable remains securely seated in the wiring device.



#### Pilot contact.

All plugs and sockets come equipped with two pilot contacts as standard. The contacts are lagging when making contact and leading while breaking contact. If necessary, plugs and sockets can be interlocked electrically.


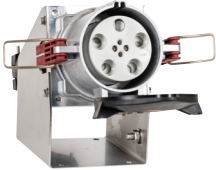



# HIGH-CURRENT PLUGS AND SOCKETS

160 A - 600 A

Designed and made based on DIN EN IEC 60309-1 (VDE 0623-1). Enclosure made from aluminum and/or plastic or steel plate. Voltages and frequencies not listed as well as information on larger cable glands or enclosures made from plastic or stainless steel are available on request. A seawater resistant version is also available for all devices.

**PRODUCT INFORMATION**




|   |     | A | P     | 400 V<br>50 a. 60 Hz<br>4 p 5 p<br>6 h 6 h | 500 V<br>50 a. 60 Hz<br>4 p 5 p<br>7 h 7 h |
|---|-----|---|-------|--|--|
|  <p><b>Wall mounted socket</b><br/>Plastic enclosure, aluminum front part, screw terminals, external fixing, cable entry at top, with cable gland</p> <p>IP67<br/>Std. Pack. Qty: 1</p>  | 160 | 4 | 75080 | 75081                                      |  |
|   | 160 | 5 | 75310 |  |  |
|  <p><b>Wall mounted socket</b><br/>Plastic enclosure, aluminum front part, screw terminals, external fixing, cable entry at top, with cable gland</p> <p>IP67<br/>Std. Pack. Qty: 1</p> | 200 | 4 | 75221 | 75222                                      |  |
|   | 200 | 5 | 75226 |  |  |
|   | 250 | 4 | 75327 | 75328                                      |  |
|   | 250 | 5 | 75329 |  |  |
|  <p><b>Wall mounted socket</b><br/>Aluminum enclosure, screw terminals, external fixing, cable entry at top, with cable gland</p> <p>IP67<br/>Std. Pack. Qty: 1</p>                    | 250 | 4 | 75021 | 75022                                      |  |
|   | 250 | 5 | 75111 |  |  |
|   | 400 | 4 | 75026 |  |  |
|   | 400 | 5 | 75116 |  |  |

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**PRODUCT INFORMATION**

|  |     | A | P     | 400 V<br>50 a. 60 Hz<br>4 p 5 p<br>6 h 6 h | 500 V<br>50 a. 60 Hz<br>4 p 5 p<br>7 h 7 h |
|--|-----|---|-------|--|--|
|  <p><b>Wall mounted socket</b><br/>Aluminum enclosure, screw terminals, external fixing, cable entry at top, with cable gland</p> <p>IP67<br/>Std. Pack. Qty: 1</p>   | 600 | 4 | 75339 |  |  |
|  | 600 | 5 | 75142 |  |  |
|  <p><b>Wall mounted socket DUO</b><br/>Screw terminals, switched, mechanical interlock, cable entry bushing for cables of 20 mm up to 70 mm at top and blind flange at bottom, enclosure made of sheet steel, painted in RAL 1021</p> <p>IP55<br/>Std. Pack. Qty: 1</p>  | 160 | 4 | 75143 |  |  |
|  | 160 | 5 | 75144 |  |  |
|  <p><b>Wall mounted socket DUO</b><br/>Screw terminals, switched, mechanical interlock, cable entry bushing for cables of 20 mm up to 70 mm at top and blind flange at bottom, enclosure made of sheet steel, painted in RAL 1021</p> <p>IP55<br/>Std. Pack. Qty: 1</p> | 200 | 4 | 75231 |  |  |
|  | 200 | 5 | 75236 |  |  |



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**PRODUCT INFORMATION**



|  |   | A   | P | 400 V<br>50 a. 60 Hz<br>4 p 5 p<br>6 h 6 h | 500 V<br>50 a. 60 Hz<br>4 p 5 p<br>7 h 7 h |
|--|---|-----|---|--|--|
|  | <b>Wall mounted socket DUO</b><br>Screw terminals, switched, mechanical interlock, cable entry bushing for cables of 20 mm up to 70 mm at top and blind flange at bottom, enclosure made of sheet steel, painted in RAL 1021<br><br>IP67<br>Std. Pack. Qty: 1 | 250 | 4 | 75145                                      |  |
|  |   | 250 | 5 | 75146                                      |  |
|  | <b>Wall mounted socket DUO</b><br>Screw terminals, switched, mechanical interlock, cable entry bushing for cables of 20 mm up to 70 mm at top and blind flange at bottom, enclosure made of sheet steel, painted in RAL 1021<br><br>IP55<br>Std. Pack. Qty: 1 | 250 | 4 | 75031                                      |  |
|  |   | 250 | 5 | 75121                                      |  |
|  |   | 400 | 4 | 75036                                      |  |
|  |   | 400 | 5 | 75126                                      |  |
|  | <b>Wall mounted socket DUO</b><br>Screw terminals, switched, mechanical interlock, cable entry bushing for cables of 20 mm up to 70 mm at top and blind flange at bottom, enclosure made of sheet steel, painted in RAL 1021<br><br>IP55<br>Std. Pack. Qty: 1 | 600 | 4 | 75147                                      |  |
|  |   | 600 | 5 | 75148                                      |  |

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|   |     | A | P     | 400 V<br>50 a. 60 Hz<br>4 p 5 p<br>6 h 6 h | 500 V<br>50 a. 60 Hz<br>4 p 5 p<br>7 h 7 h |
|---|-----|---|-------|--|--|
|  <p><b>Wall mounted socket electrical interlock</b><br/>Screw terminals, electrical interlock with contactor, cable entry bushing for cables of 20 mm up to 70 mm at top and blind flange at bottom, enclosure made of sheet steel, painted in RAL 1021</p> <p>IP55<br/>Std. Pack. Qty: 1</p>  | 200 | 5 | 75276 |  |  |
|   |     |   |       |  |  |
|  <p><b>Wall mounted socket electrical interlock</b><br/>Screw terminals, electrical interlock with contactor, cable entry bushing for cables of 20 mm up to 70 mm at top and blind flange at bottom, enclosure made of sheet steel, painted in RAL 1021</p> <p>IP55<br/>Std. Pack. Qty: 1</p> | 250 | 5 | 75441 |  |  |
|   | 400 | 5 | 75448 |  |  |

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|  |     | A | P     | 400 V<br>50 a. 60 Hz<br>4 p 5 p<br>6 h 6 h | 500 V<br>50 a. 60 Hz<br>4 p 5 p<br>7 h 7 h |
|--|-----|---|-------|--|--|
|  <p><b>Panel mounted socket</b><br/>Aluminum enclosure, screw terminals</p> <p>IP67<br/>Std. Pack. Qty: 1</p>   | 160 | 4 | 75067 | 75069                                      |  |
|  | 160 | 5 | 75070 |  |  |
|  <p><b>Panel mounted socket</b><br/>Aluminum enclosure, screw terminals</p> <p>IP67<br/>Std. Pack. Qty: 1</p> | 200 | 4 | 75241 | 75242                                      |  |
|  | 200 | 5 | 75246 |  |  |
|  | 250 | 4 | 75320 | 75322                                      |  |
|  | 250 | 5 | 75323 |  |  |
|  <p><b>Panel mounted socket</b><br/>Aluminum enclosure, screw terminals</p> <p>IP67<br/>Std. Pack. Qty: 1</p> | 250 | 4 | 75041 | 75042                                      |  |
|  | 250 | 5 | 75131 |  |  |
|  | 400 | 4 | 75046 |  |  |
|  | 400 | 5 | 75136 |  |  |






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**PRODUCT INFORMATION**




|  |     | A | P     | 400 V<br>50 a. 60 Hz<br>4 p 5 p<br>6 h 6 h | 500 V<br>50 a. 60 Hz<br>4 p 5 p<br>7 h 7 h |
|--|-----|---|-------|--|--|
|  <p><b>Panel mounted socket</b><br/>Aluminum enclosure, screw terminals</p> <p>IP67<br/>Std. Pack. Qty: 1</p>                       | 600 | 4 | 75335 |  |  |
|  | 600 | 5 | 75337 |  |  |
|  <p><b>Panel mounted socket</b><br/>Aluminum enclosure, screw terminals,<br/>15° inclination</p> <p>IP67<br/>Std. Pack. Qty: 1</p> | 200 | 4 | 75053 |  |  |
|  | 200 | 5 | 75058 |  |  |
|  <p><b>Panel mounted socket</b><br/>Screw terminals, 15° inclination</p> <p>IP67<br/>Std. Pack. Qty: 1</p>                        | 250 | 4 | 75063 |  |  |
|  | 250 | 5 | 75068 |  |  |
|  | 400 | 4 | 75073 | 75074                                      |  |
|  | 400 | 5 | 75078 |  |  |

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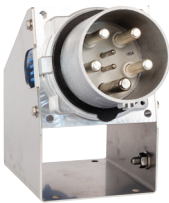
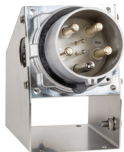
|  |     | A | P     | 400 V<br>50 a. 60 Hz<br>4 p 5 p<br>6 h 6 h | 500 V<br>50 a. 60 Hz<br>4 p 5 p<br>7 h 7 h |
|--|-----|---|-------|--|--|
|  <p><b>Plug</b><br/>Plastic enclosure, aluminum front part,<br/>screw terminals, with cable gland</p> <p>IP67<br/>Std. Pack. Qty: 1</p>   | 160 | 4 | 75055 | 75056                                      |  |
|  | 160 | 5 | 75057 |  |  |
|  <p><b>Plug</b><br/>Plastic enclosure, aluminum front part,<br/>screw terminals, with cable gland</p> <p>IP67<br/>Std. Pack. Qty: 1</p> | 200 | 4 | 75201 | 75202                                      |  |
|  | 200 | 5 | 75206 |  |  |
|  | 250 | 4 | 75312 | 75313                                      |  |
|  | 250 | 5 | 75075 |  |  |
|  <p><b>Plug</b><br/>Aluminum enclosure, screw terminals,<br/>with cable gland</p> <p>IP67<br/>Std. Pack. Qty: 1</p>                     | 250 | 4 | 75001 | 75002                                      |  |
|  | 250 | 5 | 75091 |  |  |
|  | 400 | 4 | 75006 | 75007                                      |  |
|  | 400 | 5 | 75096 |  |  |

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|  |     | A | P     | 400 V<br>50 a. 60 Hz<br>4 p 5 p<br>6 h 6 h | 500 V<br>50 a. 60 Hz<br>4 p 5 p<br>7 h 7 h |
|--|-----|---|-------|--|--|
|  <p><b>Plug</b><br/>Aluminum enclosure, screw terminals,<br/>with cable gland</p> <p>IP67<br/>Std. Pack. Qty: 1</p> | 600 | 4 | 75330 |  |  |
|  | 600 | 5 | 75332 |  |  |
|  <p><b>Wall mounted inlet</b><br/>Aluminum enclosure, screw terminals</p> <p>IP67<br/>Std. Pack. Qty: 1</p>        | 160 | 5 | 75077 |  |  |
|  |     |   |       |  |  |
|  <p><b>Wall mounted inlet</b><br/>Aluminum enclosure, screw terminals</p> <p>IP67<br/>Std. Pack. Qty: 1</p>       | 200 | 5 | 75256 |  |  |
|  | 250 | 5 | 75325 |  |  |

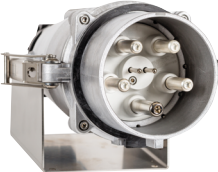
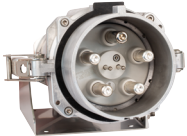



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|   |  | A   | P | 400 V<br>50 a. 60 Hz<br>4 p 5 p<br>6 h 6 h | 500 V<br>50 a. 60 Hz<br>4 p 5 p<br>7 h 7 h |
|---|--|-----|---|--|--|
|  <p><b>Wall mounted inlet</b><br/>Aluminum enclosure, screw terminals</p> <p>IP67<br/>Std. Pack. Qty: 1</p>    |  | 250 | 5 | 75173                                      |  |
|   |  | 400 | 4 | 75389                                      |  |
|   |  | 400 | 5 | 75398                                      |  |
|  <p><b>Wall mounted inlet</b><br/>Aluminum enclosure, screw terminals</p> <p>IP67<br/>Std. Pack. Qty: 1</p>   |  | 600 | 4 | 75338                                      |  |
|   |  |     |   |  |  |
|  <p><b>Panel mounted inlet</b><br/>Aluminum enclosure, screw terminals</p> <p>IP67<br/>Std. Pack. Qty: 1</p> |  | 160 | 5 | 75066                                      |  |
|   |  |     |   |  |  |

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**PRODUCT INFORMATION**




|  |     | A | P     | 400 V<br>50 a. 60 Hz<br>4 p 5 p<br>6 h 6 h | 500 V<br>50 a. 60 Hz<br>4 p 5 p<br>7 h 7 h |
|--|-----|---|-------|--|--|
|  <p><b>Panel mounted inlet</b><br/>Aluminum enclosure, screw terminals</p> <p>IP67<br/>Std. Pack. Qty: 1</p>        | 200 | 4 | 75261 |  |  |
|  | 200 | 5 | 75266 |  |  |
|  <p><b>Panel mounted inlet</b><br/>Aluminum enclosure, screw terminals</p> <p>IP67<br/>Std. Pack. Qty: 1</p>       | 250 | 4 | 75284 |  |  |
|  | 250 | 5 | 75287 |  |  |
|  | 400 | 4 | 75291 |  |  |
|  <p><b>Panel mounted inlet, angled</b><br/>Screw terminals, 15° inclination</p> <p>IP67<br/>Std. Pack. Qty: 1</p> | 200 | 5 | 75316 |  |  |
|  |     |   |       |  |  |

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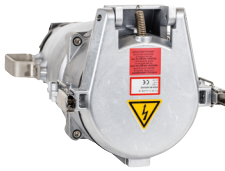

|   |     | A | P     | 400 V<br>50 a. 60 Hz<br>4 p 5 p<br>6 h 6 h | 500 V<br>50 a. 60 Hz<br>4 p 5 p<br>7 h 7 h |
|---|-----|---|-------|--|--|
|  <p><b>Panel mounted inlet, angled</b><br/>Aluminum enclosure, screw terminals,<br/>15° inclination</p> <p>IP67<br/>Std. Pack. Qty: 1</p>      | 250 | 5 | 75324 |  |  |
|   |     |   |       |  |  |
|  <p><b>Panel mounted inlet, angled</b><br/>Aluminum enclosure, screw terminals,<br/>15° inclination</p> <p>IP67<br/>Std. Pack. Qty: 1</p>     | 250 | 4 | 75321 |  |  |
|   | 250 | 5 | 75326 |  |  |
|   | 400 | 4 | 75331 |  |  |
|   | 400 | 5 | 75336 |  |  |
|  <p><b>Connector</b><br/>Plastic enclosure, aluminum front part,<br/>screw terminals, with cable gland</p> <p>IP67<br/>Std. Pack. Qty: 1</p> | 160 | 4 | 75059 | 75060                                      |  |
|   | 160 | 5 | 75065 |  |  |

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|   |     | A | P     | 400 V<br>50 a. 60 Hz<br>4 p 5 p<br>6 h 6 h | 500 V<br>50 a. 60 Hz<br>4 p 5 p<br>7 h 7 h |
|---|-----|---|-------|--|--|
|  <p><b>Connector</b><br/>Plastic enclosure, aluminum front part,<br/>screw terminals, with cable gland</p> <p>IP67<br/>Std. Pack. Qty: 1</p> | 200 | 4 | 75211 | 75212                                      |  |
|   | 200 | 5 | 75216 |  |  |
|   | 250 | 4 | 75317 |  |  |
|   | 250 | 5 | 75076 |  |  |
|  <p><b>Connector</b><br/>Aluminum enclosure, screw terminals,<br/>with cable gland</p> <p>IP67<br/>Std. Pack. Qty: 1</p>                    | 250 | 4 | 75011 | 75012                                      |  |
|   | 250 | 5 | 75101 |  |  |
|   | 400 | 4 | 75016 | 75017                                      |  |
|   | 400 | 5 | 75106 |  |  |
|  <p><b>Connector</b><br/>Aluminum enclosure, screw terminals,<br/>with cable gland</p> <p>IP67<br/>Std. Pack. Qty: 1</p>                   | 600 | 4 | 75333 |  |  |
|   | 600 | 5 | 75334 |  |  |

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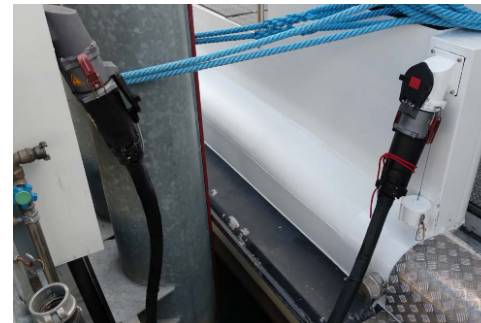
## Applications



Control cabinet design and construction



Assemblies for construction sites (ACS)



Port and shore connections



Electrical construction machines



Airports



Tunnel construction



Agriculture

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## Contacts at MENNEKES



Do you have questions about our products and solutions?  
You can find our contact persons on our website:





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## MY POWER CONNECTION

### We are MENNEKES.

The MENNEKES Group is the world's leading provider of industrial plugs and sockets and e-mobility charging solutions. Our "type 2" charging plug has been the official standard connector for electric vehicles throughout the European Union since 2014. Since our family-owned company was founded in Germany's Sauerland region back in 1935, it has spread around the world and is currently represented in 90 countries by subsidiaries with a total workforce of around 1,600 employees.



We produce plugs and connectors, sockets and socket combinations in a vast range of types and models.

Our robust, long-lasting solutions are deployed wherever electric power needs to flow reliably and consistently: in industrial applications, railway and transport companies, mining and shipbuilding industry, in container ports and at airports, on trade exhibitions, in stadiums and data centers. In the field of e-mobility, MENNEKES supplies appropriate solutions and equipment for future mobility. Our range includes charging plugs and cables, intelligent charging columns and wallboxes, billing services and a network of trained installers – for private, industrial, commercial and public applications. For the automotive industry and its suppliers, we also make charging inlets and cables for electric cars.