



■ Plugs and sockets, 200A up to 400A

**Receptacles,
panel mounted
receptacles,
200A up to 400A,
IP 67**

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**Plugs,
inlets and
panel mounted inlets,
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**Connectors,
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**Protective caps
for plugs and inlets,
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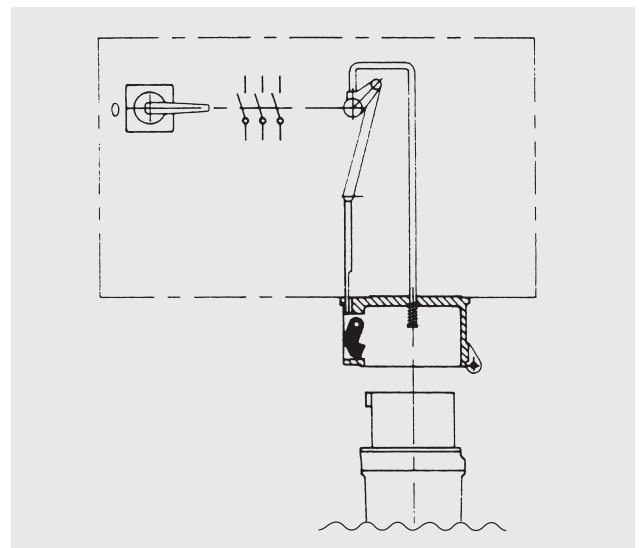


■ Plugs and sockets, 200A up to 400A

Heavy duty versions for industry.



The heavy duty range supplements the plugs and sockets currently covered by EN 60309-2, making available rated currents of 200A, 250A and 400A and rated voltages of up to 1000V. Their design is based on the following standards: IEC 309-1, EN 60309-1, DIN VDE 0623, part 1.



Mechanical lock.

For mobile consumers of rated current > 125A we have included a heavy duty range with 200A, 250A and 400A in our programme. This can be supplied for rated voltages of 230V to 1000V and seawater resistant.

Permissible rated current depending on the conductor cross section.

Rated dimension	Rated current I _{th}	Flexible conductors with single or multiple strands
200A	200A	70 mm ²
	250A	150 mm ²
250A	250A	120 mm ²
	315A	150 mm ²
400A	400A	185 mm ²
	450A	240 mm ²

The heavy duty range is suitable for use in very harsh conditions, e.g. building sites:

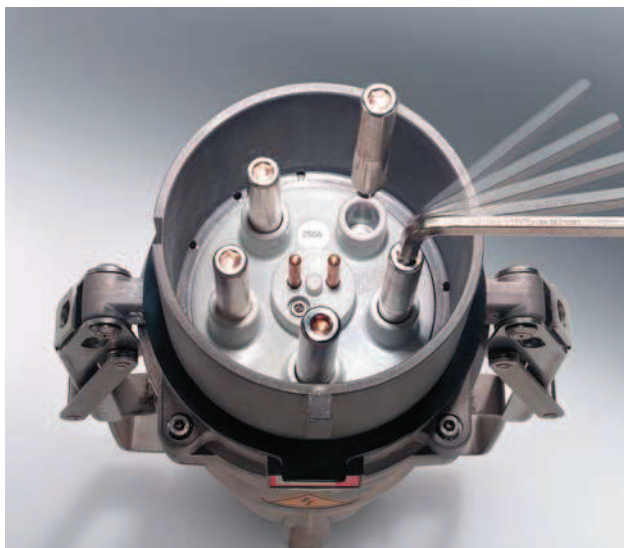
- drilling rigs
- tunnel construction
- gravel pits
- strip mining
- container terminals and crane connections in harbours
- for versatile power supply at large-scale indoor and outdoor events
- power supply to market places
- airports
- quarries



Testing of these combinations demonstrated that these plugs, connectors and receptacles may be operated in mines at a rated voltage of 1000V.

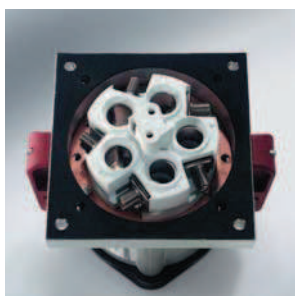
Shock hazard protected using contact covers.

Contact bushings on receptacles and connectors are fitted with covers which positively prevent getting into contact with live bushings. Shock hazard protected in accordance with IEC 309-1/ EN 60309-1.

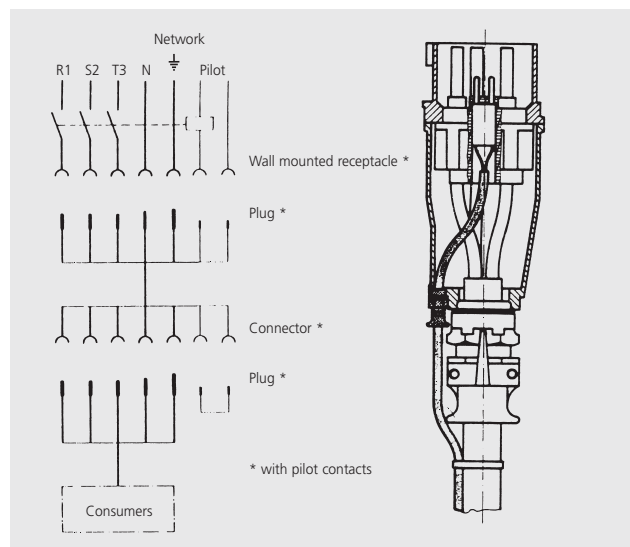


Surface protection for contacts.

Contacts 200A up to 400A are protected against corrosive atmosphere by silver plating. Contacts (250A and 400A) are accessible from the front side so that there is no need to undo the connection cable when exchanging damaged parts.



Connection terminals in plugs and sockets 200A for conductor cross sections of 70 to 150 mm², 250A and 400A for conductor cross sections of 70 to 185 mm² or with flexible conductors, and 70 to 240 mm² with single or multiple strand conductors.

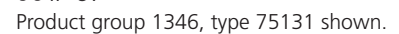


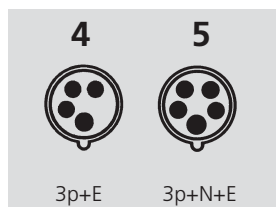
Plugs, connectors, inlets and wall mounted receptacles are supplied with flared bushings for cables of diameter 45 to 65 mm. The outside cable grip facilitates connection.

Two pilot contacts are a standard fitting in all plugs and sockets. The pilot contacts lag when the plug is inserted and lead when it is withdrawn. If required, plugs and sockets can be electrically interlocked.



Seawater resistant products are available on request.





230V
50 a. 60 Hz

400V
50 a. 60 Hz

500V
50 a. 60 Hz

690V
50 a. 60 Hz

1000V
50 a. 60 Hz

4-pole 5-pole
9h 9h

4-pole 5-pole
6h 6h

4-pole 5-pole
7h 7h

4-pole 5-pole
5h 5h

4-pole 5-pole
1h 1h

Std. Pack.

Weight

Part numbers

Qty. g/each



200	4	75220	75221	75222	75223	75224	1	5580
200	5	75225	75226	75227	75228	75229	1	5780

Pilot cables

If required, pilot cables can be introduced separately into plugs/enclosures, please add „PK“ to the part number.



250	4	75020	75021	75022	75023	75024	1	10510
250	5	75110	75111	75112	75113	75114	1	11020
400	4	75025	75026	75027	75028	75029	1	10510
400	5	75115	75116	75117	75118	75119	1	11020



200	4	75240	75241	75242	75243	75244	1	3200
200	5	75245	75246	75247	75248	75249	1	3450



250	4	75040	75041	75042	75043	75044	1	6800
250	5	75130	75131	75132	75133	75134	1	7300
400	4	75045	75046	75047	75048	75049	1	6800
400	5	75135	75136	75137	75138	75139	1	7300

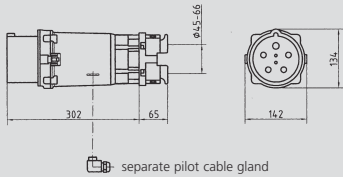
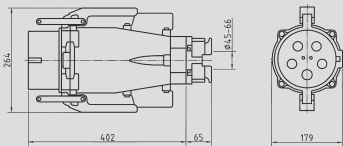
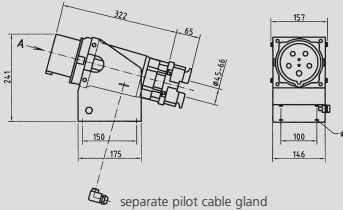
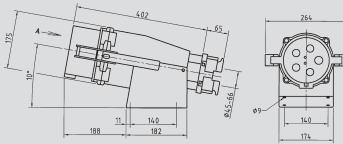
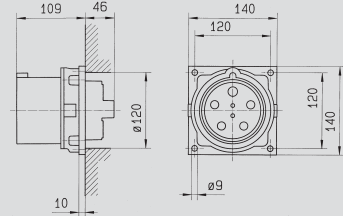
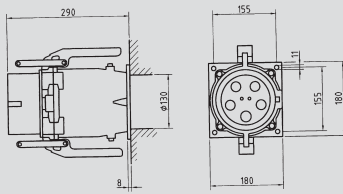
Plugs, inlets and panel mounted inlets

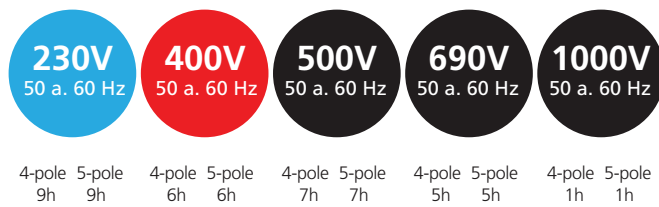
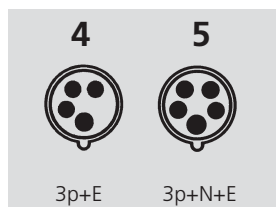
Design based on IEC 309-1, EN 60309-1, DIN VDE 0623 part 1.

Contact carrier made of creep resistant plastic, enclosure made of aluminium and/or plastic.

Other voltages and frequencies as well as larger cable entries available on request.

Seawater resistant products are available on request.

	<p>Drawing 2 MB 195 Dim. in mm</p>	<p>Plugs with cable gland</p> <p>☼ IP 67 Product group 2313, type 75206 shown.</p>
	<p>Drawing 2 MB 198/1 Dim. in mm</p>	<p>Plugs with cable gland</p> <p>☼ IP 67 Product group 2313, type 75091 shown.</p>
	<p>Drawing 2 MB 197 Dim. in mm</p>	<p>Inlets with cable gland</p> <p>☼ IP 67 Product group 2348, type 75256 shown.</p>
	<p>Drawing 2 MB 200/1 Dim. in mm</p>	<p>Inlets with cable gland</p> <p>☼ IP 67 Product group 2348, type 75173 shown.</p>
	<p>Drawing 2 MB 196 Dim. in mm</p>	<p>Panel mounted inlets</p> <p>☼ IP 67 Product group 2350, type 75261 shown.</p>
	<p>Drawing 2 MB 199/1 Dim. in mm</p>	<p>Panel mounted inlets</p> <p>☼ IP 67 Product group 2350, type 75295 shown.</p>



Amp.
Poles

4-pole 5-pole
9h 9h

4-pole 5-pole
6h 6h

4-pole 5-pole
7h 7h

4-pole 5-pole
5h 5h

4-pole 5-pole
1h 1h

Std. Pack.

Weight

Part numbers

Qty. g/each



200 4	75200	75201	75202	75203	75204	1	3000
200 5	75205	75206	75207	75208	75274	1	3200

Pilot cables

If required, pilot cables can be introduced separately into plugs/enclosures, please add „PK“ to the part number.



250 4	75000	75001	75002	75003	75004	1	8290
250 5	75090	75091	75092	75093	75094	1	8610
400 4	75005	75006	75007	75008	75009	1	8290
400 5	75095	75096	75097	75098	75099	1	8610



200 4	75250	75251	75252	75253	75254	1	4780
200 5	75255	75256	75257	75258	75259	1	4980

Pilot cables

If required, pilot cables can be introduced separately into plugs/enclosures, please add „PK“ to the part number.



250 4		75172	75373	75374		1	9660
250 5		75173	75381	75382		1	9980
400 4		75389	75390	75391		1	9660
400 5		75398	75399	75400		1	9980



200 4	75260	75261	75262	75263	75264	1	2200
200 5	75265	75266	75267	75268	75269	1	2400



250 4	75283	75284	75285	75170		1	8100
250 5	75286	75287	75288	75289		1	8600
400 4	75290	75291	75292	75293		1	8100
400 5	75294	75295	75296	75297		1	8600

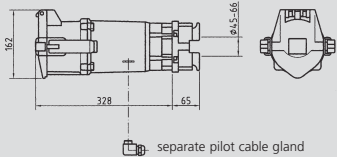
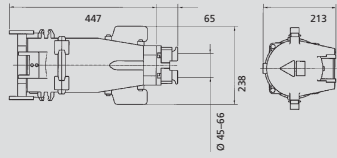
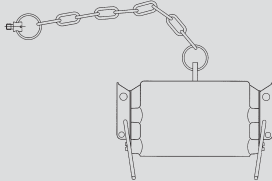
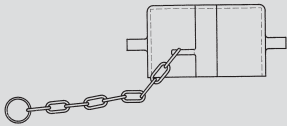
Connectors, protective caps



Design based on IEC 309-1, EN 60309-1, DIN VDE 0623 part 1.

Contact carrier made of creep resistant plastic, enclosure made of aluminium and/or plastic.

Other voltages and frequencies as well as larger cable entries available on request.

Seawater resistant products are available on request.

 <p>separate pilot cable gland</p>	<p>Drawing 3 MB 53 Dim. in mm</p>	<p>Connectors with cable gland</p> <p>☼☼ IP 67 Product group 3313, type 75216 shown.</p>
	<p>Drawing 3 MB 54/1 Dim. in mm</p>	<p>Connectors with cable gland</p> <p>☼☼ IP 67 Product group 3313, type 75101 shown.</p>
	<p>Drawing 2 MB 205</p>	<p>Protective caps for plug and inlet</p> <p>Product group 8326, type 75280 shown.</p>
	<p>Drawing 2 MB 201</p>	<p>Protective caps for plug and inlet</p> <p>Product group 8326, type 75160 shown.</p>

				230V 50 a. 60 Hz		400V 50 a. 60 Hz		500V 50 a. 60 Hz		690V 50 a. 60 Hz		1000V 50 a. 60 Hz		Std. Pack.	Weight
				4-pole 9h	5-pole 9h	4-pole 6h	5-pole 6h	4-pole 7h	5-pole 7h	4-pole 5h	5-pole 5h	4-pole 1h	5-pole 1h		
		Part numbers												Qty.	g/each
			Amp.	Poles											
			200	4	75210	75211	75212	75213	75214	1	3730				
			200	5	75215	75216	75217	75218	75219	1	3980				
		Pilot cables If required, pilot cables can be introduced separately into plugs/enclosures, please add „PK“ to the part number.													
			250	4	75010	75011	75012	75013	75014	1	9160				
			250	5	75100	75101	75102	75103	75104	1	9670				
			400	4	75015	75016	75017	75018	75019	1	9160				
			400	5	75105	75106	75107	75108	75109	1	9670				
			for 200A		75280					1	1200				
			for 250A		75160					1	1200				
			for 400A		75160					1	1200				

Enclosures made of plastic or stainless steel on request.



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		<div>4</div>  <div>3p+E</div>		<div>5</div>  <div>3p+N+E</div>				<div>230V</div> <div>50 a. 60 Hz</div>		<div>400V</div> <div>50 a. 60 Hz</div>		<div>500V</div> <div>50 a. 60 Hz</div>		<div>690V</div> <div>50 a. 60 Hz</div>		<div>1000V</div> <div>50 a. 60 Hz</div>		Std. Pack.	Weight											
		Amp.	Poles					4-pole 9h		5-pole 9h		4-pole 6h		5-pole 6h		4-pole 7h		5-pole 7h		4-pole 5h		5-pole 5h		4-pole 1h		5-pole 1h		Qty.	g/each	
		Part numbers																												
	200	4		75230	75231	75232	75233	75234	1	25100																				
	200	5		75235	75236	75237	75238	75279	1	25300																				
	250	4		75030	75031	75032	75033	75034	1	45000																				
	250	5		75120	75121	75122	75123	75124	1	46500																				
	400	4		75035	75036	75037	75038	75039	1	43900																				
	400	5		75125	75126	75127	75128	75129	1	45400																				
	200	4		75270	75271	75272	75273		1	25100																				
	200	5		75275	75276	75277	75278		1	25300																				
	250	4		75436	75437	75438	75439		1	45600																				
	250	5		75440	75441	75442	75443		1	47100																				
	400	4		75444	75174	75445	75446		1	51000																				
	400	5		75447	75448	75449	75450		1	52500																				

Entries for other cable diameters (> 65mm) and other accessories are also available.

Please contact us.