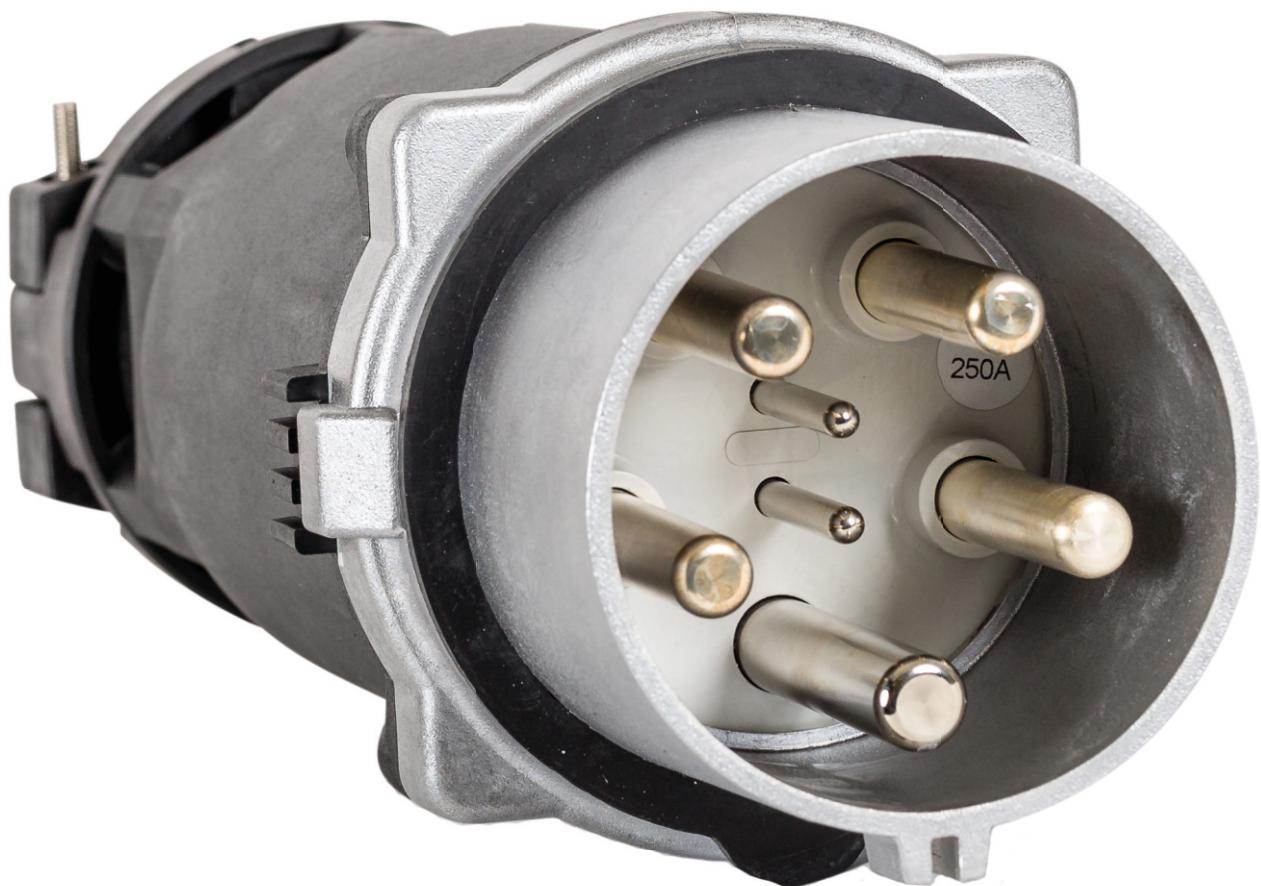


High current plugs and sockets



Product portfolio

The right solution for every application

The product portfolio covers almost all applications in the defined high current range.



Devices rated 200A / 250A

The compact solutions have a robust plastic housing and are perfect for applications with limited space conditions as well as for certain industries (chemistry, food industry). Additional options allow use in a variety of applications.



Devices rated 315A / 400A

The robust solutions are ideal for applications (tunneling, mining), where high mechanical loads may arise. Furthermore, numerous options, such as the saltwater-resistant housing, make the devices also suitable for marine applications.



Devices units 200A - 400A

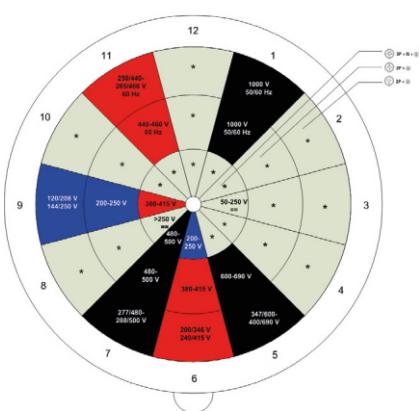
To ensure maximum safety for users, we offer special solutions units:

- Wall mounted sockets with mechanical interlock
- Wall mounted sockets with block contactor
- Wall mounted sockets with circuit breaker



Quick exchanging of contacts

In the case of most conventional devices, a time-consuming procedure is required to replace contact pins, since these are unnecessarily anchored. The contacts can be exchanged from the front with a simple and conventional hexagonal hex (allen key) wrench. Thus, users can avoid costly and time-consuming maintenance work.



Voltage coding

The arrangement of the earthing contact position and bushing to prevent wrong plugging of various voltages and frequencies is following the principles of EN 60309-2, ensuring user friendly coding and a big level of safety.



Finger touch protection

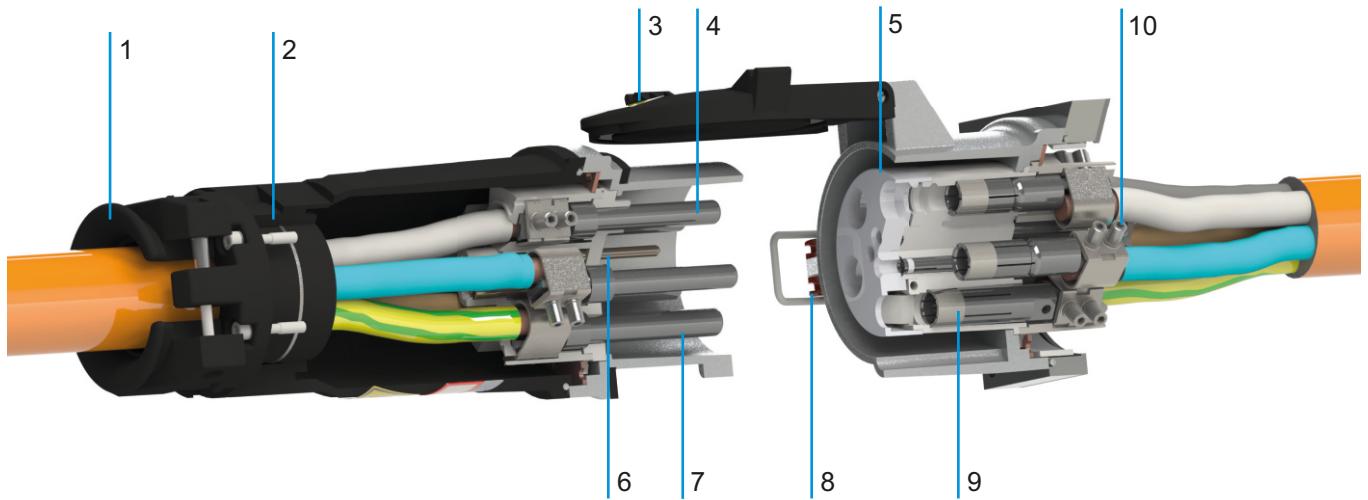
Each socket is equipped with a finger touch protection in order to safeguard the user against electrical shocks in the event of unintentional contact with live parts.

High current plugs and sockets

General structure

Structure of the devices

- 1. Cable gland IP67, bell shaped entry for easy assembly
- 2. Rubber sealing ring, protection from water and dust
- 3. Cover coupling, protection from dirt
- 4. Power pins, silver-plated contacts for enhanced energy transmission
- 5. Finger touch protection, maximum safety for user
- 6. Pilot contact, implemented as standard
- 7. Earthing pin, earthing of housing
- 8. Clamping bracket, mechanical closing operation
- 9. Segmented contact sleeve, suitable for all weather conditions
- 10. Terminals, easy wiring



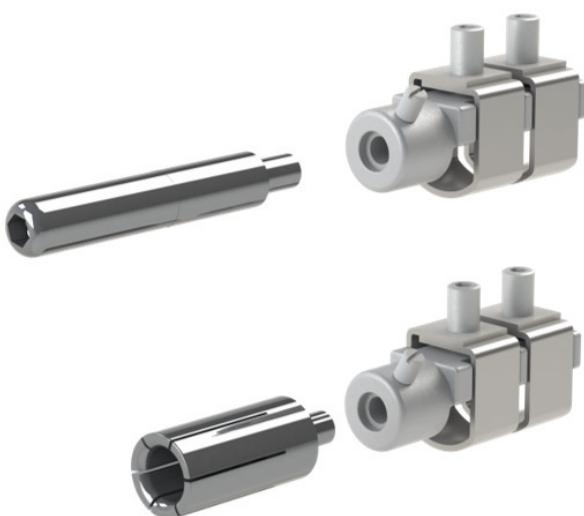
Energy Transmission Efficient and reliable

Segmented contact system

The enlarged contact surfaces enable an efficient ratio of contact forces and user friendly operation.

The silver-plated contacts, ensure low contact resistance and minimal power losses. The precise contact system is fully functional, even under severe vibrations and environmental impact.

- Optimized low contact resistance
- Silver plated contact surface
- Minimum power losses
- Self-cleaning effect

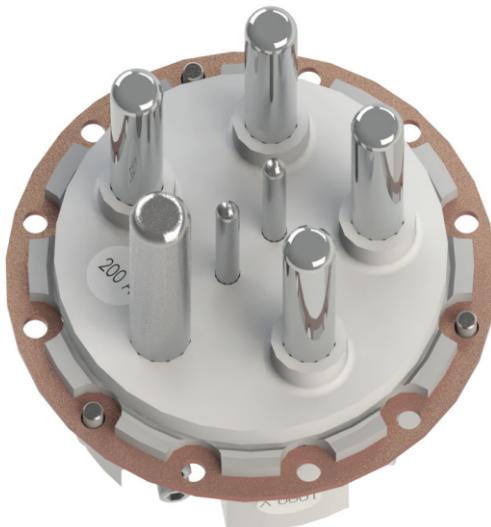


Segmented contact system

Pilot contacts

The pilot contacts act as auxiliary contacts. They close lagging when inserting and open leading when removing the connector, suitable for an electrical interlocking, i.e. it prevents the plugging and pulling under load in the connector units. The pilot contacts further help preserving the main power contacts from mechanical and thermoelectrical erosion.

The pilot contacts are fitted as standard in the entire product range, so there is no need for retrofitting.

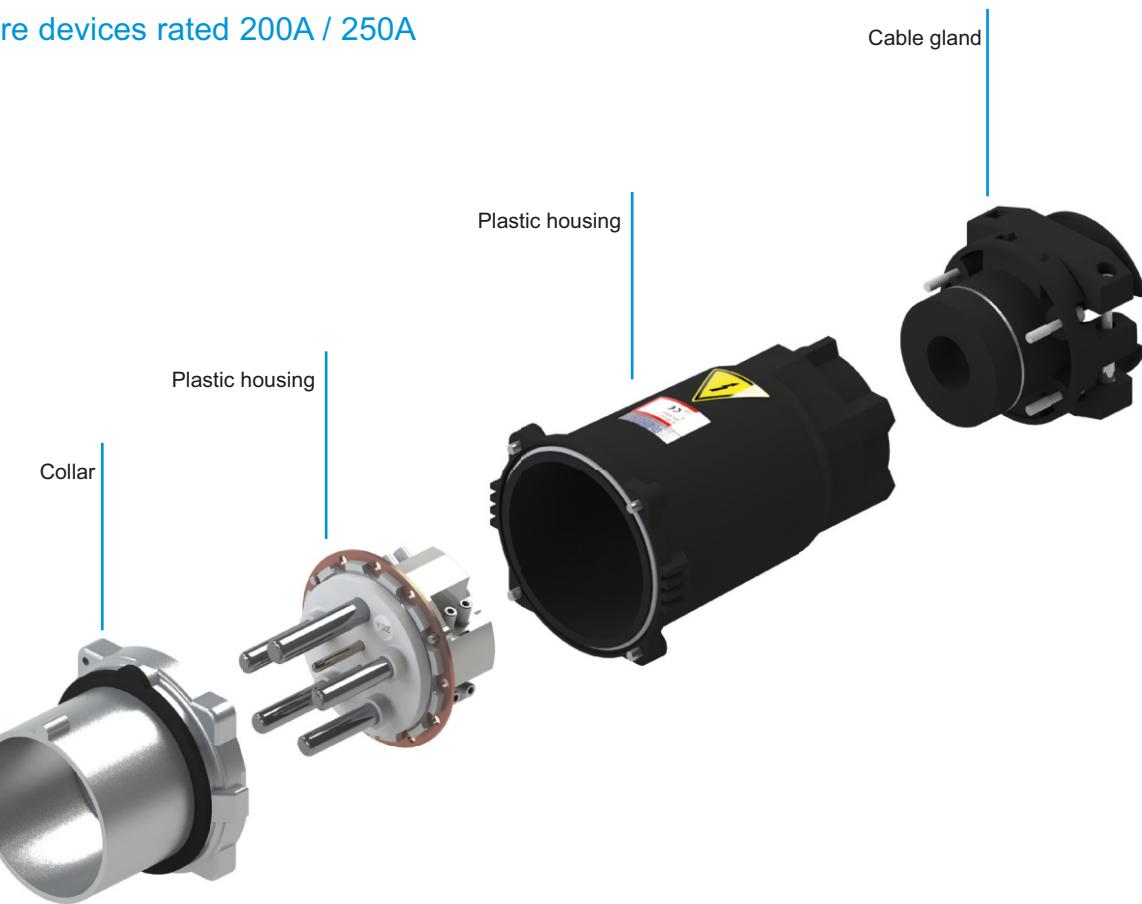


Pilot contacts

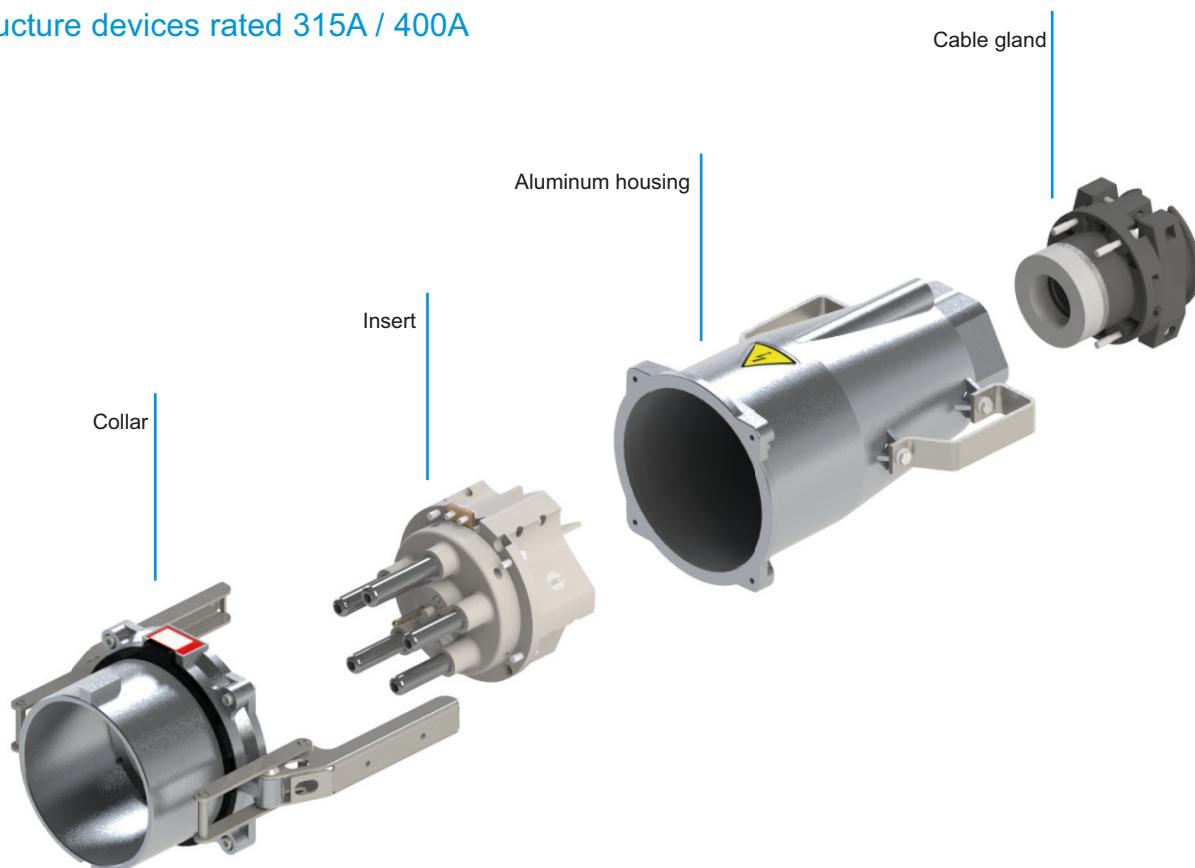
High current plugs and sockets

Connector structure

Structure devices rated 200A / 250A



Structure devices rated 315A / 400A



Guidelines

- Low voltage directive 2014/35 / EU
- Electromagnetic compatibility (EMC) 2004/30 / EU
- Low-voltage switchgear combinations EN 61439-1: 2011
- Connectors for industrial applications EN 60309-1: 1999 + A1: 2007 + A2: 2012
- Electromagnetic interference (EMC) EN 61000-6-3/4: 2007 + A1: 2011
- Electromagnetic immunity (EMC) EN 61000-6-1: 2007
- Degree of protection by housing (IP code) EN 60529_1991 + A1_2000 + A2_2013
- wRoHS Directive 2011/65 / EU

Technical data

Nominal current	A	200	250	315	400
Rated current	A	250	285	380	450
Rated voltage	V			1000	
Rated frequency	Hz			50 / 60	
Withstand voltage (1 Min / 50 Hz)	V			4000	
Protection grade				IP67	
Shock resistance				IK 10	
Ambient temperature	°C			-40 / +100	
Insulation resistance (Phase-phase and phase-earth)	MΩ			> 500	
Comparative tracking index of the insert	CTI			> 600	
Terminal cross-section (EN 60228 Class 5)	mm²	35 - 150		70 - 240	
Max. cross section pilot cable, conductor (EN 60228 Class 5)	mm²			4	
Diameter of cable	mm			34 - 66	
Diameter of cable - separate pilot cable	mm	5 - 10		8 - 15	



200A / 250A rated device

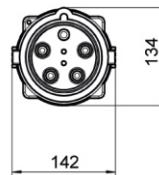
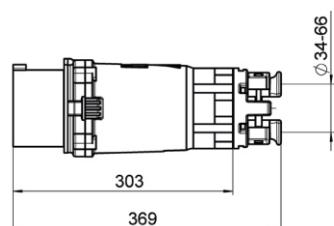


315A / 400A rated device

High current plugs and sockets

Products rated 200A / 250A

Plug

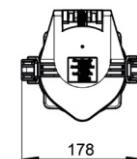
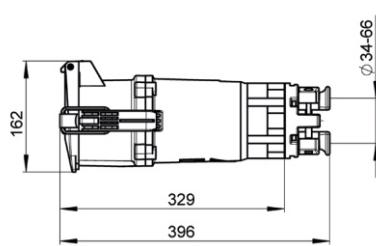


2P+E	3P+E	3+N+E	400V 50-60 Hz	500V 50-60 Hz
Ampere	Poles		4pol 5pol 6h 6h	4pol 5pol 7h 7h

200	4	211155	211156
200	5	211157	
250	4	211158	211159
250	5	211160	

g
Stück

Connector

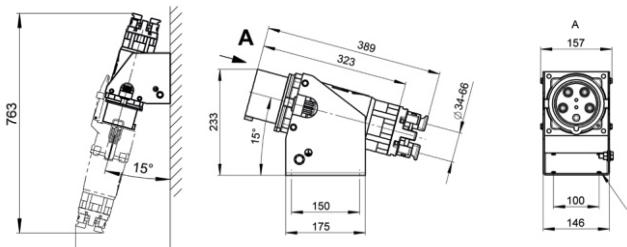


2P+E	3P+E	3+N+E	400V 50-60 Hz	500V 50-60 Hz
Ampere	Poles		4pol 5pol 6h 6h	4pol 5pol 7h 7h

200	4	310805	310806
200	5	310808	
250	4	310809	310810
250	5	310811	

g
Stück

Wall mounted inlet

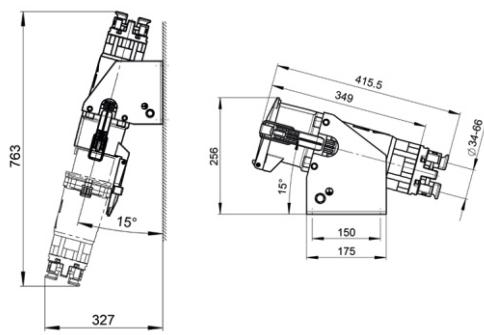


2P+E	3P+E	3+N+E	400V 50-60 Hz	500V 50-60 Hz
Ampere	Poles		4pol 5pol 6h 6h	4pol 5pol 7h 7h

200	4	24646	24647
200	5	24648	
250	4	24649	24650
250	5	24651	

g
Stück

Wall mounted receptacle

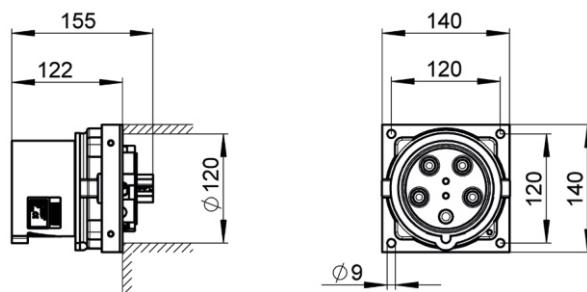


2P+E	3P+E	3+N+E	400V 50-60 Hz	500V 50-60 Hz
Ampere	Poles		4pol 5pol 6h 6h	4pol 5pol 7h 7h

200	4	110605	110606
200	5	110608	
250	4	110609	110610
250	5	110611	

g
Stück

Panel Mounted inlet

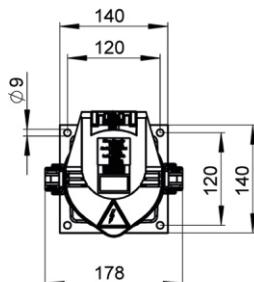
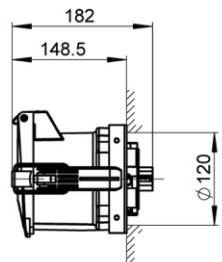


2P+E	3P+E	3+N+E	400V 50-60 Hz	500V 50-60 Hz
Ampere	Poles		4pol 5pol 6h 6h	4pol 5pol 7h 7h

200	4	28327	28328
200	5	28329	
250	4	28330	28331
250	5	28332	

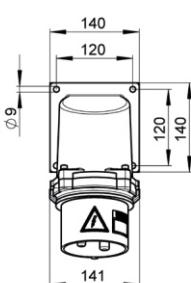
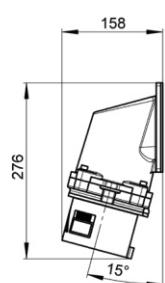
g
Stück

Panel mounted receptacle



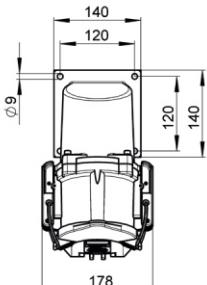
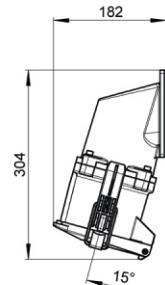
2P+E Ampere	3P+E Poles	400V 50-60 Hz	500V 50-60 Hz	g Stück
200	4	130355	130356	
200	5	130357		
250	4	130358	130359	
250	5	130360		

Panel mounted inlet angled



2P+E Ampere	3P+E Poles	400V 50-60 Hz	500V 50-60 Hz	g Stück
200	4	26177	26178	
200	5	26179		
250	4	26180	26181	
250	5	26182		

Panel mounted receptacle angled

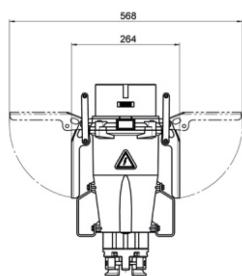
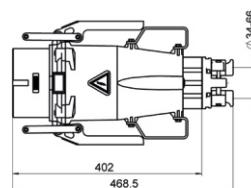


2P+E Ampere	3P+E Poles	400V 50-60 Hz	500V 50-60 Hz	g Stück
200	4	120484	120485	
200	5	120486		
250	4	120487	120488	
250	5	120489		

High current plugs and sockets

Products rated 315A / 400A

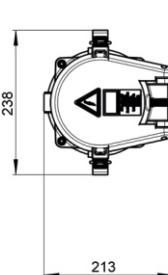
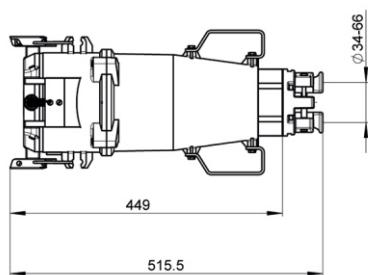
Plug



2P+E	3P+E	3+N+E	400V 50-60 Hz	500V 50-60 Hz	g
Ampere	Poles		4pol 5pol 6h 6h	4pol 5pol 7h 7h	Stück

315	4	211161	211162
315	5	211163	
400	4	211164	211165
400	5	211166	

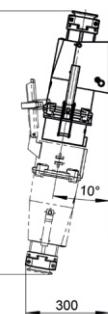
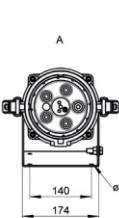
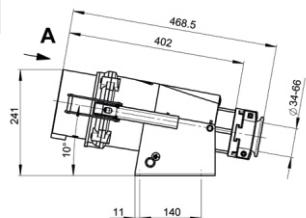
Connector



2P+E	3P+E	3+N+E	400V 50-60 Hz	500V 50-60 Hz	g
Ampere	Poles		4pol 5pol 6h 6h	4pol 5pol 7h 7h	Stück

315	4	310812	310813
315	5	310814	
400	4	310815	310816
400	5	310817	

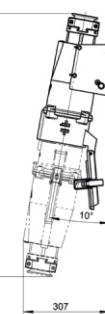
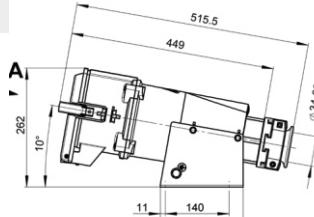
Wall mounted inlet



2P+E	3P+E	3+N+E	400V 50-60 Hz	500V 50-60 Hz	g
Ampere	Poles		4pol 5pol 6h 6h	4pol 5pol 7h 7h	Stück

315	4	24652	24653
315	5	24654	
400	4	24655	24656
400	5	24657	

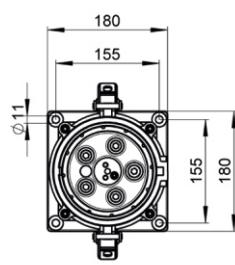
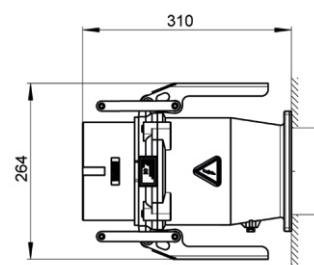
Wall mounted receptacle



2P+E	3P+E	3+N+E	400V 50-60 Hz	500V 50-60 Hz	g
Ampere	Poles		4pol 5pol 6h 6h	4pol 5pol 7h 7h	Stück

315	4	110612	110613
315	5	110614	
400	4	110615	110616
400	5	110617	

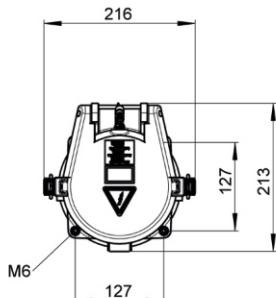
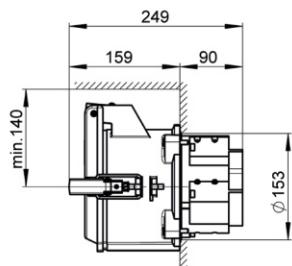
Panel Mounted inlet



2P+E	3P+E	3+N+E	400V 50-60 Hz	500V 50-60 Hz	g
Ampere	Poles		4pol 5pol 6h 6h	4pol 5pol 7h 7h	Stück

315	4	28333	28334
315	5	28335	
400	4	28336	28337
400	5	28338	

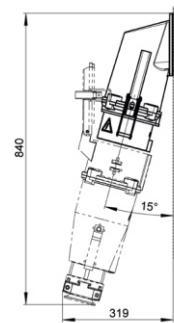
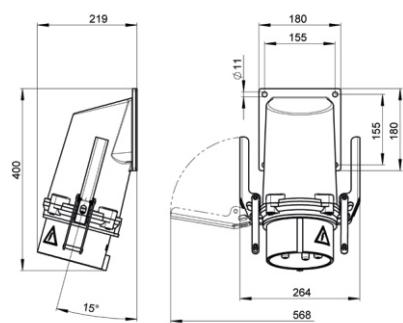
Panel mounted receptacle



2P+E	3P+E	3+N+E	400V 50-60 Hz	500V 50-60 Hz	g
Ampere	Poles		4pol 5pol 6h 6h	4pol 5pol 7h 7h	Stück

315	4	130361	130362
315	5	130363	
400	4	130364	130365
400	5	130366	

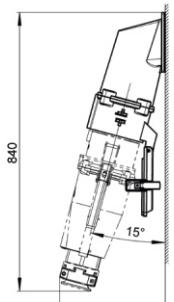
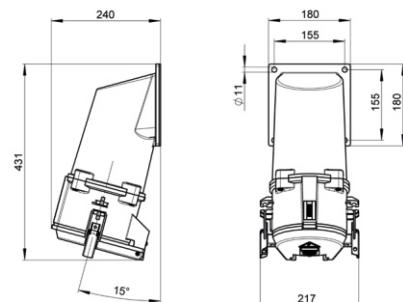
Panel mounted inlet angled



2P+E	3P+E	3+N+E	400V 50-60 Hz	500V 50-60 Hz	g
Ampere	Poles		4pol 5pol 6h 6h	4pol 5pol 7h 7h	Stück

315	4	26183	26184
315	5	26185	
400	4	26186	26187
400	5	26188	

Panel mounted receptacle angled



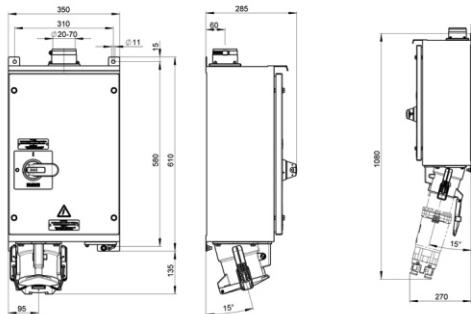
2P+E	3P+E	3+N+E	400V 50-60 Hz	500V 50-60 Hz	g
Ampere	Poles		4pol 5pol 6h 6h	4pol 5pol 7h 7h	Stück

315	4	120490	120491
315	5	120492	
400	4	120493	120494
400	5	120495	

High current plugs and sockets

Products interlocked

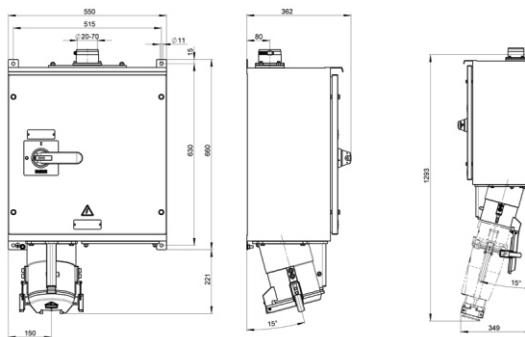
Wall mounted socket mechanical interlocked



2P+E	3P+E	3+N+E	4pol 5pol	400V 50-60 Hz	500V 50-60 Hz	g
Ampere	Poles		6h 6h	6h 6h	7h 7h	Stück

200	4	160584	160585
200	5	160586	
250	4	160587	160588
250	5	160589	

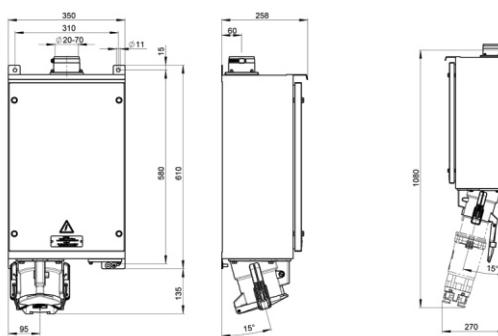
Wall mounted socket mechanical interlocked



2P+E	3P+E	3+N+E	4pol 5pol	400V 50-60 Hz	500V 50-60 Hz	g
Ampere	Poles		6h 6h	6h 6h	7h 7h	Stück

315	4	160590	160591
315	5	160592	
400	4	160593	160594
400	5	160595	

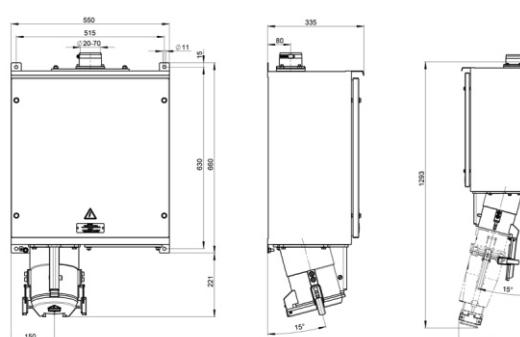
Wall mounted socket electrical interlocked



2P+E	3P+E	3+N+E	4pol 5pol	400V 50-60 Hz	500V 50-60 Hz	g
Ampere	Poles		6h 6h	6h 6h	7h 7h	Stück

200	4	160596	160597
200	5	160598	
250	4	160599	160600
250	5	160601	

Wall mounted socket electrical interlocked



2P+E	3P+E	3+N+E	4pol 5pol	400V 50-60 Hz	500V 50-60 Hz	g
Ampere	Poles		6h 6h	6h 6h	7h 7h	Stück

315	4	160602	160603
315	5	160604	
400	4	160605	160606
400	5	160607	

Protective cover for plug and inlet



Art. No.

for 200A / 250A	8361
for 315A / 400A	8362

 made
in
Germany



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