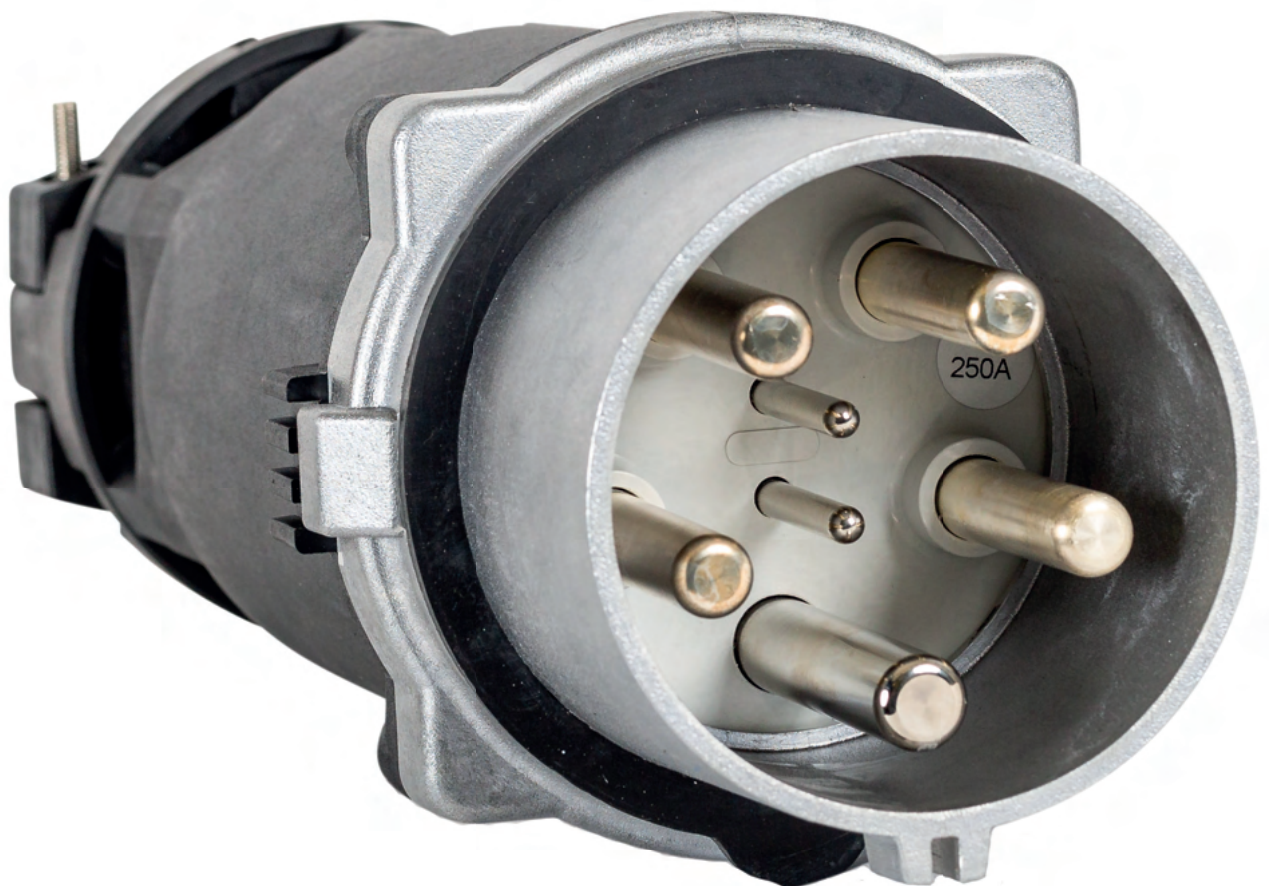


High current plugs and sockets



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

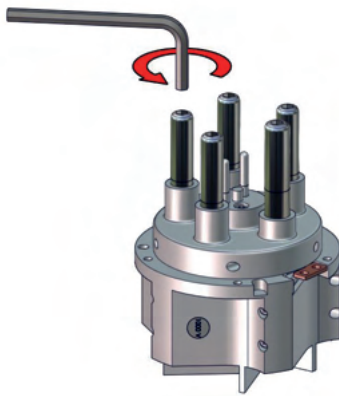
The robust solutions are ideal for applications (tunneling, mining), where high mechanical loads may arise. Furthermore, numerous options, such as the saltwater-resistant housing, make the devices also suitable for marine applications.



Devices units 200A - 400A

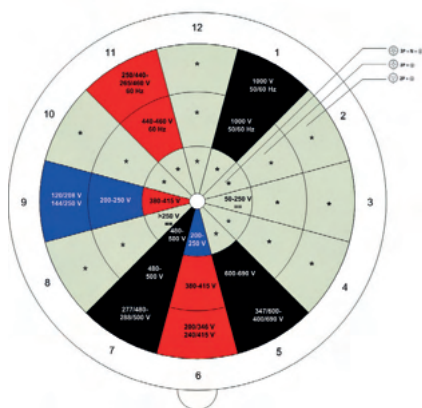
To ensure maximum safety for users, we offers special solutions units:

- 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.

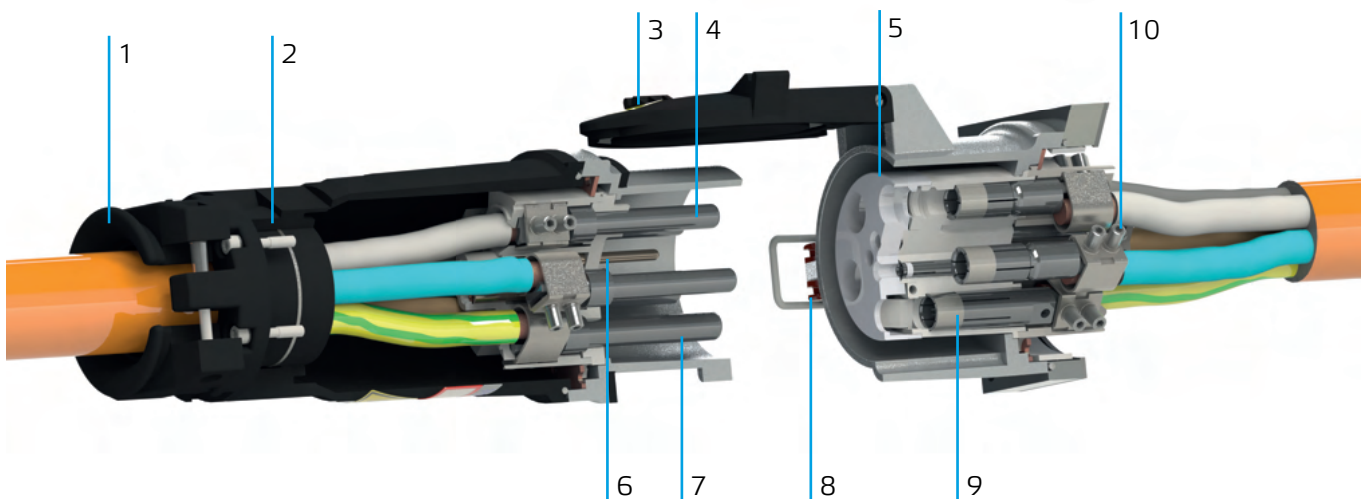


Finger touch protection

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.

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



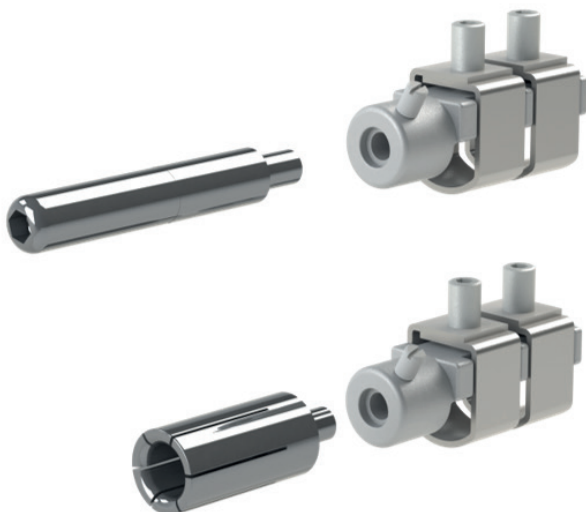
Energy Transmission Efficient and reliable

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.

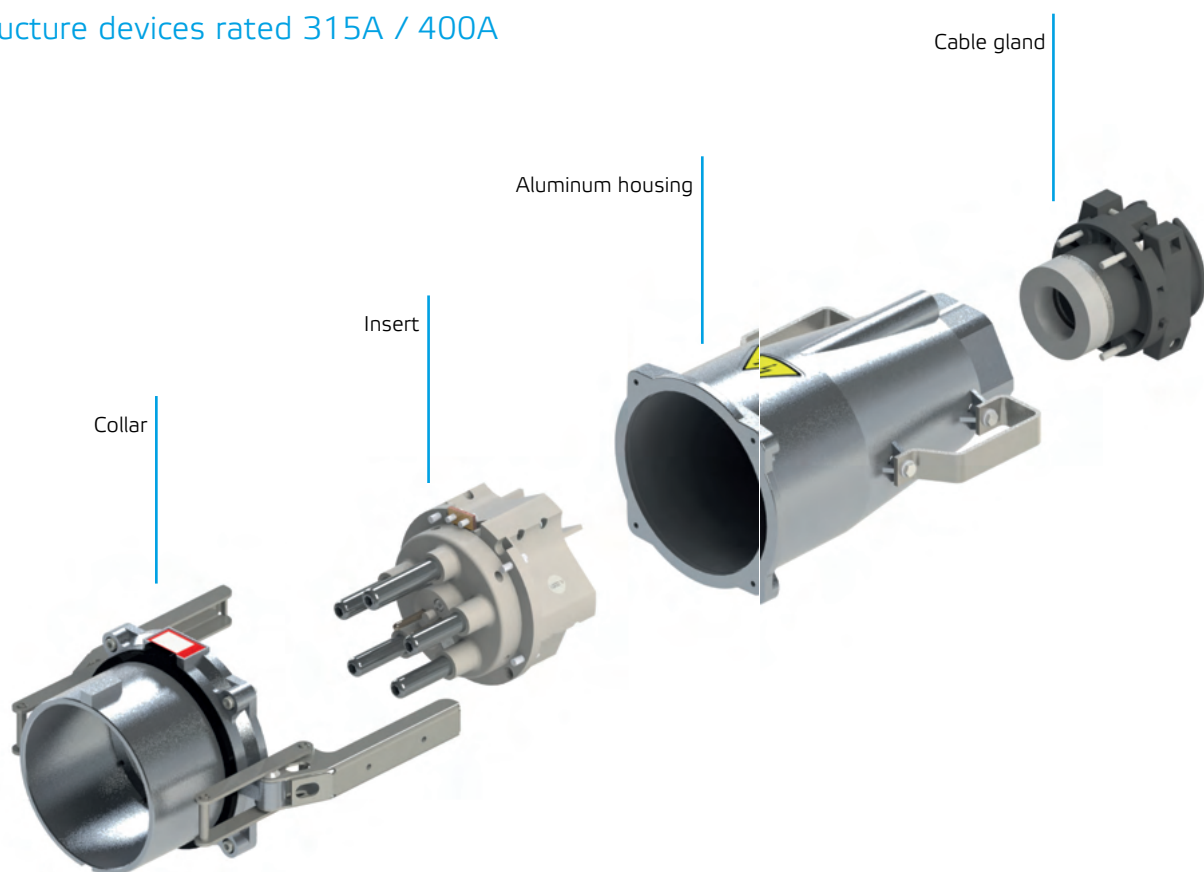


Pilot contacts

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 restance (Phase-phase and phase-earth)	MOhm	> 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

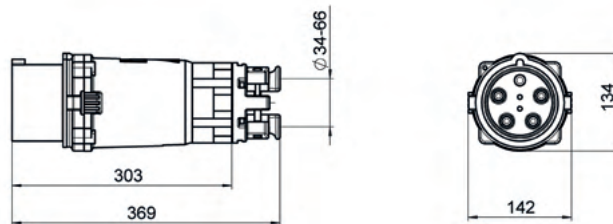


315A / 400A rated device

High current plugs and sockets

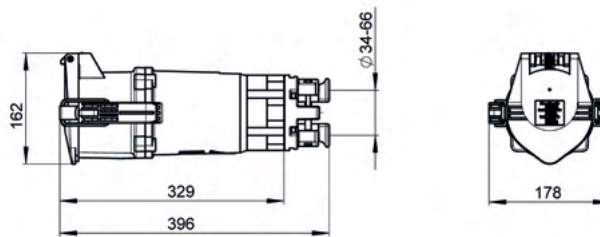
Products rated 200A / 250A

Plug



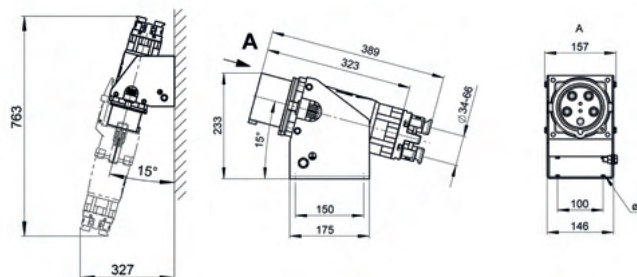
			400V 50-60 Hz		500V 50-60 Hz		9 Stück
			4pol 6h	5pol 6h	4pol 7h	5pol 7h	
200	4		PC011431	PC011432			
200	5		PC011437				
250	4		PC022081	PC022082			
250	5		PC022086				

Connector



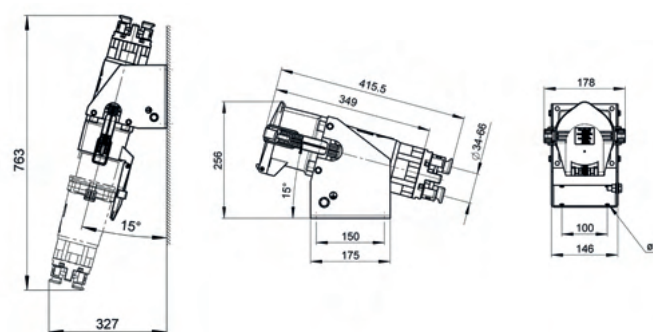
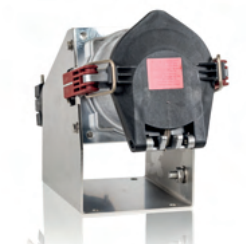
			400V 50-60 Hz		500V 50-60 Hz		9 Stück
			4pol 6h	5pol 6h	4pol 7h	5pol 7h	
200	4		PC011641	PC011641			
200	5		PC011646				
250	4		PC022121	PC022126			
250	5		PC022127				

Wall mounted inlet



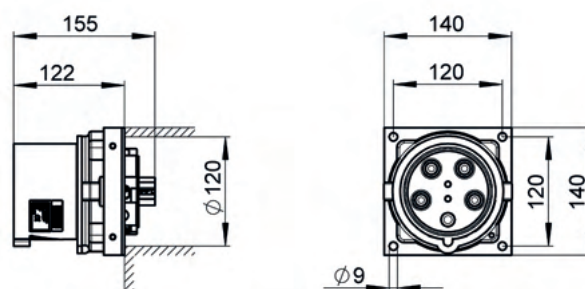
			400V 50-60 Hz		500V 50-60 Hz		9 Stück
			4pol 6h	5pol 6h	4pol 7h	5pol 7h	
200	4		PC011701	PC011702			
200	5		PC011706				
250	4		PC022111	PC022112			
250	5		PC022116				

Wall mounted receptacle



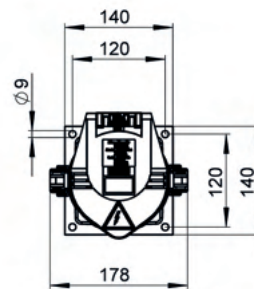
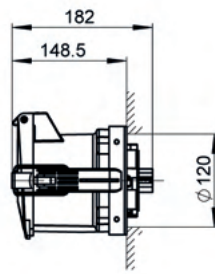
			400V 50-60 Hz		500V 50-60 Hz		9 Stück
			4pol 6h	5pol 6h	4pol 7h	5pol 7h	
200	4		PC011671	PC011672			
200	5		PC011676				
250	4		PC022151	PC022152			
250	5		PC022156				

Panel Mounted inlet



			400V 50-60 Hz		500V 50-60 Hz		9 Stück
			4pol 6h	5pol 6h	4pol 7h	5pol 7h	
200	4		PC011731	PC011732			
200	5		PC011736				
250	4		PC022091	PC022092			
250	5		PC022096				

Panel mounted receptacle



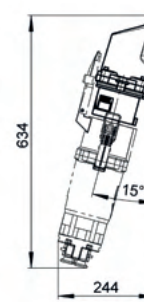
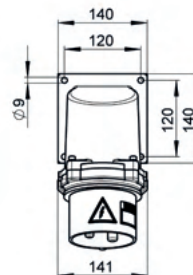
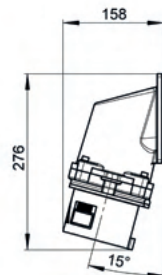
400V
50-60 Hz
4pol 5pol
6h 6h

500V
50-60 Hz
4pol 5pol
7h 7h

9
Stück

200	4	PC011761	PC011762
200	5	PC011766	
250	4	PC022131	PC022132
250	5	PC022136	

Panel mounted inlet angled



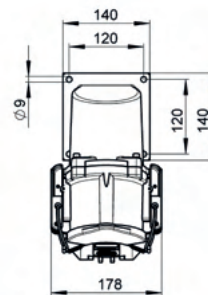
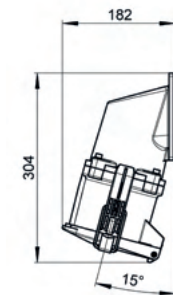
400V
50-60 Hz
4pol 5pol
6h 6h

500V
50-60 Hz
4pol 5pol
7h 7h

9
Stück

200	4	PC020579	PC020580
200	5	PC020584	
250	4	PC022101	PC022102
250	5	PC022106	

Panel mounted receptacle angled



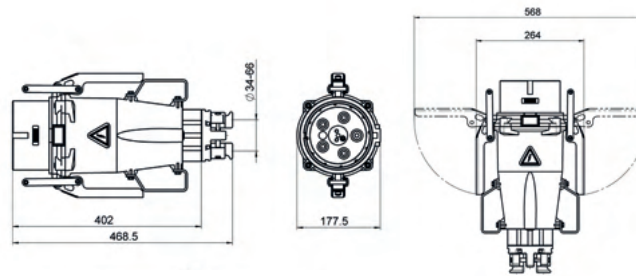
400V
50-60 Hz
4pol 5pol
6h 6h

500V
50-60 Hz
4pol 5pol
7h 7h

9
Stück

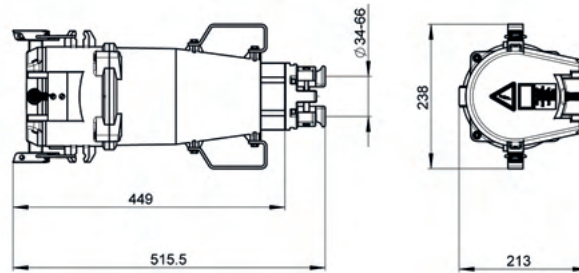
200	4	PC020609	PC020610
200	5	PC020614	
250	4	PC022141	PC022142
250	5	PC022146	

Plug



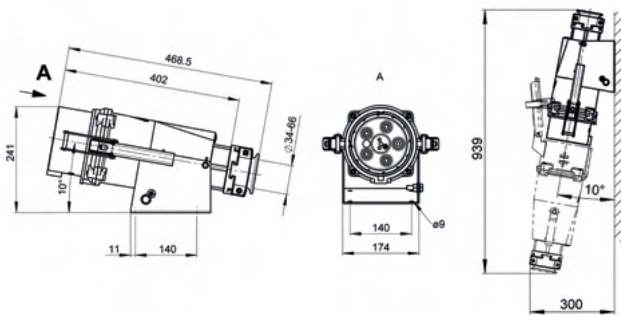
			400V 50-60 Hz		500V 50-60 Hz		9 Stück
			3P+E Ampere	3P+E Poles	4pol 5pol 6h 6h	4pol 5pol 7h 7h	
315	4				PB022901	PB022902	
315	5				PB022906		
400	4				PB011451	PB011452	
400	5				PB011456		

Connector



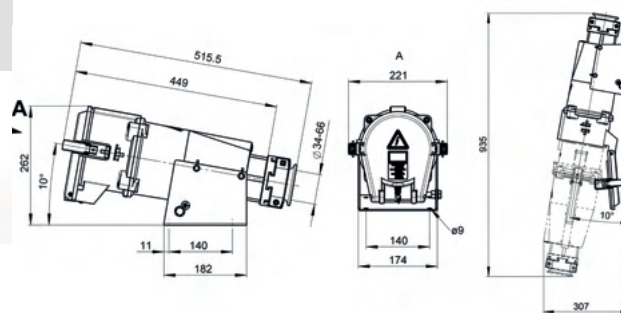
			400V 50-60 Hz		500V 50-60 Hz		9 Stück
			3P+E Ampere	3P+E Poles	4pol 5pol 6h 6h	4pol 5pol 7h 7h	
315	4				PB022891	PB022892	
315	5				PB022896		
400	4				PB011661	PB011662	
400	5				PB011666		

Wall mounted inlet



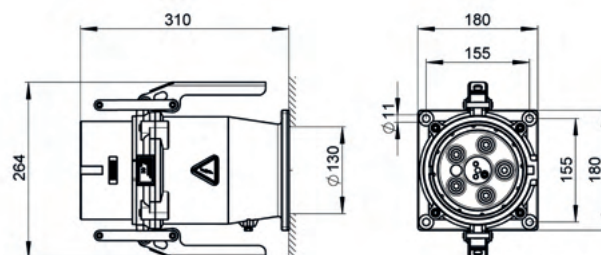
			400V 50-60 Hz		500V 50-60 Hz		9 Stück
			3P+E Ampere	3P+E Poles	4pol 5pol 6h 6h	4pol 5pol 7h 7h	
315	4				PB022911	PB022912	
315	5				PB022916		
400	4				PB011721	PB011722	
400	5				PB011726		

Wall mounted receptacle



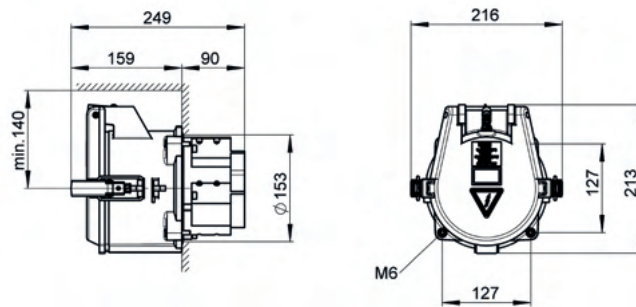
			400V 50-60 Hz		500V 50-60 Hz		9 Stück
			3P+E Ampere	3P+E Poles	4pol 5pol 6h 6h	4pol 5pol 7h 7h	
315	4				PB022861	PB022862	
315	5				PB022866		
400	4				PB011691	PB011692	
400	5				PB011696		

Panel Mounted inlet



			400V 50-60 Hz		500V 50-60 Hz		9 Stück
			3P+E Ampere	3P+E Poles	4pol 5pol 6h 6h	4pol 5pol 7h 7h	
315	4				PB022921	PB022922	
315	5				PB022926		
400	4				PB011751	PB011752	
400	5				PB011756		

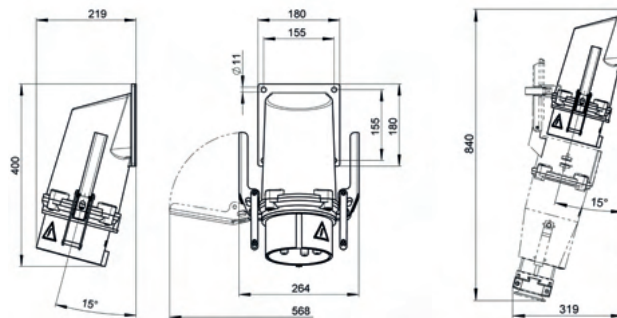
Panel mounted receptacle



20+1E Ampere	30+1E Poles	3+1N+1E Poles	400V 50-60 Hz	500V 50-60 Hz	9 Stück
4pol 6h	5pol 6h	4pol 7h	5pol 7h		

315	4	PB022871	PB022872
315	5	PB022876	
400	4	PB011781	PB011782
400	5	PB011786	

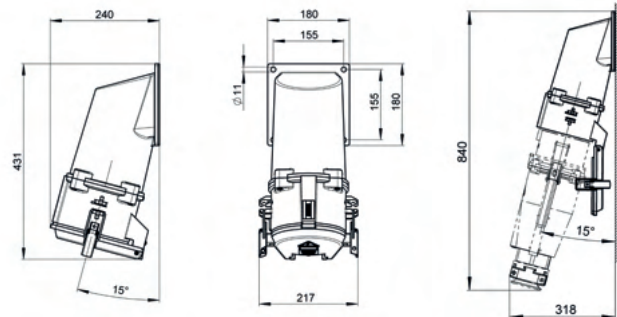
Panel mounted inlet angled



20+1E Ampere	30+1E Poles	3+1N+1E Poles	400V 50-60 Hz	500V 50-60 Hz	9 Stück
4pol 6h	5pol 6h	4pol 7h	5pol 7h		

315	4	PB022931	PB022932
315	5	PB022936	
400	4	PB020599	PB020600
400	5	PB020604	

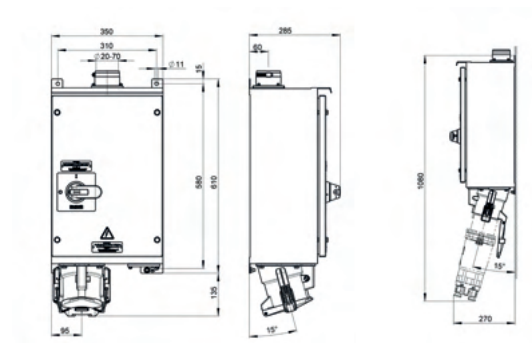
Panel mounted receptacle angled



20+1E Ampere	30+1E Poles	3+1N+1E Poles	400V 50-60 Hz	500V 50-60 Hz	9 Stück
4pol 6h	5pol 6h	4pol 7h	5pol 7h		

315	4	PB022881	PB022882
315	5	PB022886	
400	4	PB020629	PB020630
400	5	PB020634	

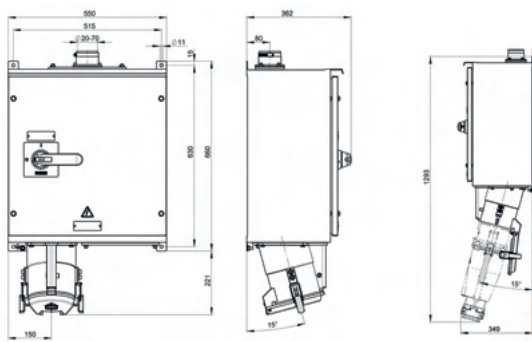
Wall mounted socket mechanical interlocked



3P+E Ampere	3P+E Poles	400V 50-60 Hz	500V 50-60 Hz	9 Stück
		4pol 5pol 6h 6h	4pol 5pol 7h 7h	

200	4	PC011791	PC011792
200	5	PC011796	
250	4	PC022161	PC022162
250	5	PC022166	

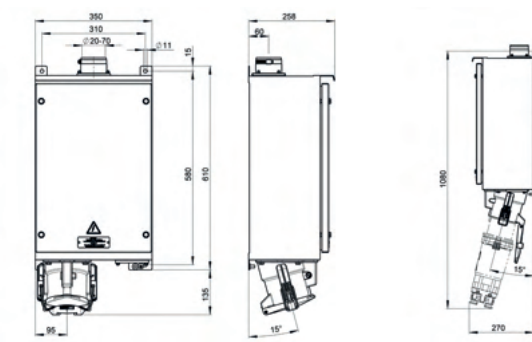
Wall mounted socket mechanical interlocked



3P+E Ampere	3P+E Poles	400V 50-60 Hz	500V 50-60 Hz	9 Stück
		4pol 5pol 6h 6h	4pol 5pol 7h 7h	

315	4	PB022961	PB022962
315	5	PB022966	
400	4	PB011811	PB011812
400	5	PB011816	

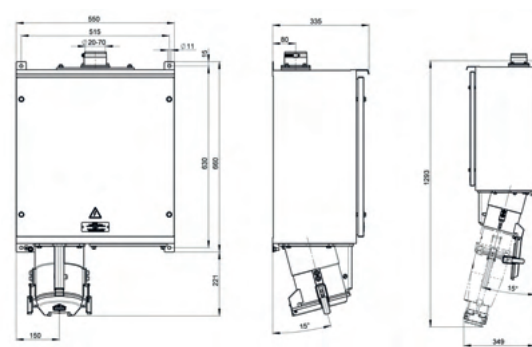
Wall mounted socket electrical interlocked



3P+E Ampere	3P+E Poles	400V 50-60 Hz	500V 50-60 Hz	9 Stück
		4pol 5pol 6h 6h	4pol 5pol 7h 7h	

200	4	PC011821	PC011822
200	5	PC011826	
250	4	PC022171	PC022172
250	5	PC022176	

Wall mounted socket electrical interlocked



3P+E Ampere	3P+E Poles	400V 50-60 Hz	500V 50-60 Hz	9 Stück
		4pol 5pol 6h 6h	4pol 5pol 7h 7h	

315	4	PB022971	PB022972
315	5	PB022976	
400	4	PB011841	PB011842
400	5	PB011846	

Protective cover for plug and inlet



Art. No.

for 200A / 250A

PC012122

for 315A / 400A

PC012123



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