

ATX™ PRE Series 125 Amp Plugs and Sockets

Increased Safety

ATEX:

Zone 1 and 2 - 21 and 22

II 2 GD

IP66 - IK10

Applications

- Plugs and sockets are used with stationary or portable electrically operated devices such as:
 - Welding devices
 - Lighting systems
 - Conveyors
 - Heaters
 - Motor generator sets
 - Air conditioning
 - Compressors
 - Pumps
- For use in corrosive atmospheres and installations in Zones 1, and 2 and 21 and 22 of oil and gas industry, such as
 - Refineries
 - Chemical and petrochemical plants
 - Pipelines
 - Onshore and offshore drilling platforms

Features

- Positive polarization: only ATX plugs of same style, number of poles and ampere rating may be used with these sockets.
- Interlocked 3-pole or 4-pole Ex de disconnecting on-load switch, with auxiliary early break contact – capacity 2.5 mm² (0.004 in²) maximum.
- Plug is mechanically locked in socket when switch is "ON".
- Switch operating handle can be padlocked in "OFF" position (max 4 padlocks).
- Plug cannot be inserted or removed unless switch is in "OFF" position.

Standard Materials

- Socket: 316L stainless steel
- Flap cover and plug: polyamide

ATEX Certifications and Compliances

- Certification Type PC125X
 - Gas: Zones 1 and 2
 - Conforming to ATEX 94/9/CE: II 2 G
 - Type of Protection: Ex de IIC
 - Temperature Class: T6 for Ta ≤ +40 °C (+104 °F) and T5 for +55 °C (+131 °F)
 - Dust: Zones 21 and 22
 - Conforming to ATEX 94/9/CE: II 2 D
 - Type of Protection: Ex tD A21
 - Surface Temperature: T90 °C (T194 °F)
- Ambient Temperature: -30 °C to +55 °C (-22 °F to +131 °F)
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10
- CE Declaration of Conformity: 50218
- ATEX Certificate: LCIE 99 ATEX 6031

EURASEC Certification

- EURASEC N° TC RU C-FR.Г505.B.00910

Other Certification

- INMETRO Certificate: BVC11.0596 ①



Plug



Wall Mounting Socket

① INMETRO certification available on special request only. Contact your local sales representative for more information.

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Wall Mounting Socket

- One M63 cable gland for unarmored cable – Ø 36 to Ø 44 mm (Ø 1.42 to Ø 1.73") and one M25 blanking plug.
- Terminal capacity 120 mm² (0.186in²).



Plug

- One integrated cable entry for unarmored flexible cable – Ø 30 to Ø 48 mm (Ø 1.18 to Ø 1.89").
- Terminals capacity 50 mm² (0.078in²).

PLUGS AND RECEPTACLES: ATEX/IECEx INCREASED SAFETY

Appleton®

160 Amps		
Main Contacts		
Rated Insulation Voltage	690 Vac	
Rated Operating Voltage	690 Vac	
Rated Operating Current	125 Amp	
Rated Surge Voltage	8 KV	
Switching Capacity		
AC 21 A / AC 22 A	125 Amp	400 Volt to 690 Volt
AC 23 A	80 kW	400 Volt
	110 kW	500 Volt
	55 kW	690 Volt
AC 3	90 kW	400 Volt
	70 kW	500 Volt
DC 21	125 Amp	220 Volt ①
	125 Amp	440 Volt ①
DC 22	125 Amp	220 Volt ①
	100 Amp	440 Volt ①
DC 23	125 Amp	220 Volt ①
	63 Amp	440 Volt ①
Auxiliary Contacts		
Rated Insulation Voltage	230 Volt	
Rated Operating Voltage	230 Volt	
Rated Operating Current	10 Amp	
Switching Capacity: AC 15	6 Amp	230 Volt
Others		
Termination (flexible/solid)	120 mm² (0.007 in²)	

① 2 contacts connected in series per pole.

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Catalog Numbering Guide — IECEx Internationally Certified Plugs and Receptacles

PRE	4	12	R	R	A	3	T
Series: PRE - PRE Series Zone 1, 2, 21 and 22 ATEX Certified	Pin Configuration: 4 - 3P+E 5 - 3P+N+E	Amps: 12 - 125A	Equipment: P - Plug R - Receptacle (Wall Mounting)	Voltage: R - 380 - 415 Vac 50/60 Hz N - 480 - 500 Vac 50/60 Hz R1 - 440 - 460 Vac 60 Hz N1 - 600 - 690 Vac 50/60 Hz	Cable Type: A - Armored U - Unarmored	Cable Entry Size: ① 3 - M32 4 - M40 5 - M50 6 - M63	Options: T - Through-wired

LV: Low Voltage

Red	Black	Red 1	Black 1
380/415 Vac	480/500 Vac	440/460 Vac	600/690 Vac

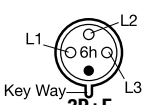
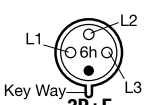
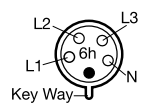
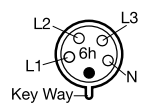
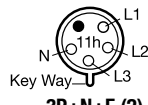
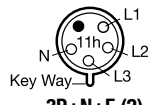
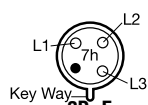
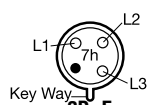
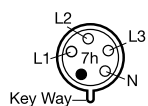
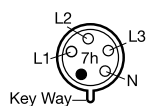
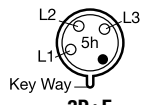
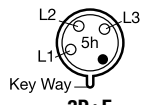
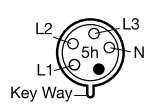
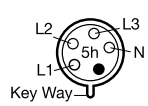
PLUGS AND RECEPTACLES: ATEX/IECEX INCREASED SAFETY

① With one M25 plugged entry.

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Description	Pin Configuration	Weight kg (lb)	Volume dm ³ (in ³)	Catalog Number
380/415 Vac 50/60Hz — Red				
Wall Socket		16.0 (0.63)	70.0 (4271.66)	PRE412RRU6
Plug		1.1 (0.04)	13.0 (793.31)	PRE412PR
Wall Socket		16.0 (0.63)	70.0 (4271.66)	PRE512RRU6
Plug		1.1 (0.04)	13.0 (793.31)	PRE512PR
(1) 200/346 V – 240/415 Vac 50/60 Hz				
440/460 Vac 60 Hz — Red				
Wall Socket		16.0 (0.63)	70.0 (4271.66)	PRE412RR1U6
Plug		1.1 (0.04)	13.0 (793.31)	PRE412PR1
Wall Socket		16.0 (0.63)	70.0 (4271.66)	PRE512RR1U6
Plug		1.1 (0.04)	13.0 (793.31)	PRE512PR1
(2) 250/440 V – 265/460 Vac 60 Hz				
480/500 Vac 50/60 Hz — Black				
Wall Socket		16.0 (0.63)	70.0 (4271.66)	PRE412RNU6
Plug		1.1 (0.04)	13.0 (793.31)	PRE412PN
Wall Socket		16.0 (0.63)	70.0 (4271.66)	PRE512RNU6
Plug		1.1 (0.04)	13.0 (793.31)	PRE512PN
(3) 277/480 V – 288/500 Vac 50/60 Hz				
600/690 Vac 50/60 Hz — Black				
Wall Socket		16.0 (0.63)	70.0 (4271.66)	PRE412RN1U6
Plug		1.1 (0.04)	13.0 (793.31)	PRE412PN1
Wall Socket		16.0 (0.63)	70.0 (4271.66)	PRE512RN1U6
Plug		1.1 (0.04)	13.0 (793.31)	PRE512PN1
(4) 347/600 V – 400/690 Vac 50/60 Hz				

PLUGS AND RECEPTACLES: ATEX/IECEx INCREASED SAFETY

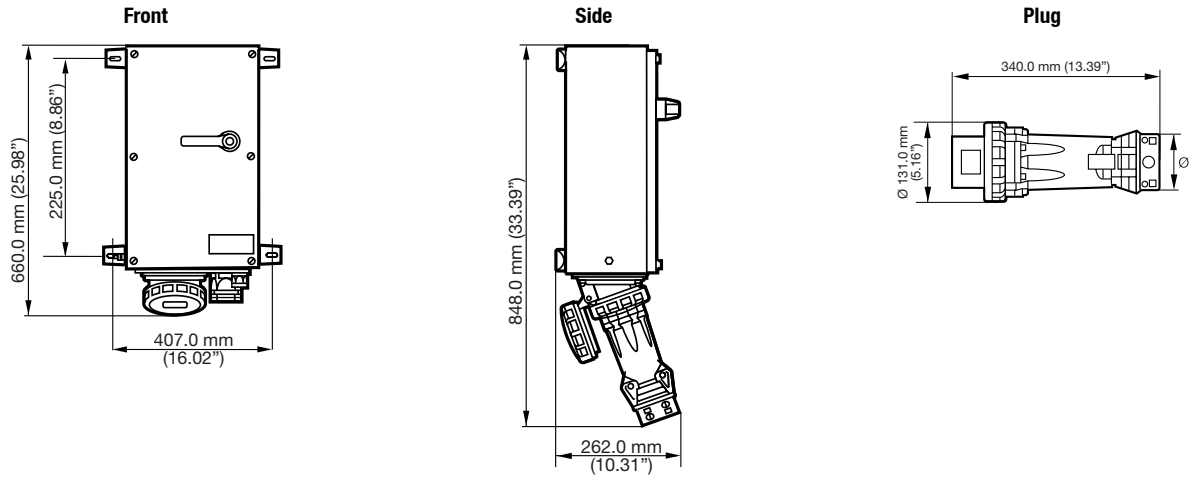


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Dimensions in Millimeters (Inches)



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