

PRE Series 16 Amp Plugs and Sockets

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

Applications

- Plugs and receptacles are used with portable or stationery electrical equipment such as:
 - Lighting systems
 - Conveyors
 - Heaters
 - Motor generators
 - Air conditioning equipment
 - Compressors
 - Pumps.
- For use in corrosive atmospheres and installations in Zone 1 and 2 and 21 and 22 of the oil and gas industry; such as:
 - Refineries
 - Chemical and petrochemical plants
 - Pipelines
 - Loading docks
 - Onshore and offshore drilling platforms
 - LNG Trains
 - Gas Compressor Stations.

Features

- Plug and socket system is designed with a safe disconnect mechanism to insure maximum hazardous location protection:
 - The contact separation is in a flameproof chamber
 - The automatic electrical disconnection of each phase is contained in a second flameproof chamber
- Short circuit protection is 20 kA, while normal reference is 10 kA.
- Different voltages are color coded for easy identification.
- The receptacles are keyed to accept only ATX plugs (other plugs can not be inserted).
- Operating temperature of -40 °C to +55 °C.

Standard Materials

- Wall Socket for 2P, 2P+ E, 3P: high impact resistance polycarbonate.
- Wall Socket for 3P+E, 3P+N+E: high impact resistance fiberglass reinforced polyester.
- Plug, mobile socket and flush socket: polyamide.

Certifications and Compliances

◆ATEX/IECEx Certification

- Certification Type PCX (Plug, socket and mobile socket)**
 - 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 and T5 for +55 °C
 - Dust: Zones 21 and 22
 - Conforming to ATEX 94/9/CE: Ⓔ II 2 D
 - Type of Protection: Ex tD A21
 - Surface Temperature: T68 °C
 - Ambient Temperature: -40 °C ≤ Ta ≤ +55 °C
 - Index of Protection according EN/IEC 60529: IP66
 - Impact Resistance (shock): IK10 (Polyester) and IK09 (Polyamide)
 - CE Declaration of Conformity: 50228
 - ATEX Certificate: LCIE 02 ATEX 6068
 - IECEx Certificate: IECEx LCI 04.0014

• Certification Type PCX/EN (Flush socket)

- 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 and T5 for +55 °C
- Dust: Zones 21 and 22
 - Conforming to ATEX 94/9/CE: Ⓔ II 2 D
 - Type of Protection: Ex tD A21
 - Surface Temperature: T68 °C
- Ambient Temperature: -40 °C ≤ Ta ≤ +55 °C
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK09 (Polyamide)
- CE Declaration of Conformity: 5C214
- ATEX Certificate: LCIE 02 ATEX 0001U
- IECEx Certificate: IECEx LCI 07.0012U

◆EURASEC Certification

- Certification Type PCX (Plug, socket and mobile socket)**
 - EURASEC N° TC RU C-FR.f505.B.00910
- Certification Type PCX/EN (Flush socket)**
 - EURASEC N° TC RU C-FR.f505.B.00910

◆Others Certification

- Certification Type PCX (Plug, socket and mobile socket)**
 - Inmetro Certificate: BVC11.0639 ^①
- Certification Type PCX/EN (Flush socket)**
 - Inmetro Certificate: BVC11.0598-U ^①



Technical Data

Breaking Capacity	
AC 3	4 kW – 220 V
	4.3 kW – 240 V
	7.5 kW – 380 V
	8.2 kW – 415 V
ICC	20 kA

^① Inmetro certification available on special request only. Contact your local sales for more information

PRE Series 16 Amp Plugs and Sockets

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)



Wall Mounting Socket

- Three M20 threaded entries (one on the top and two on the bottom).
- Supplied with one M20 cable gland – Ø 6.5 to Ø 14.5 mm and two M20 blanking plugs.
- Terminal capacity 2 x 4 mm². Can be through-wired.
- Fitted with three linked earth terminals.



Plug

- One PG16 integrated cable gland – Ø 6.5 to Ø 14.5 mm.
- Terminal capacity 2.5 mm².



Mobile Socket

- One PG16 integrated cable gland – Ø 6.5 to Ø 14.5 mm.
- Terminal capacity 2 x 4 mm².



Flush Socket

- Terminal capacity 2 x 4 mm².

Plugs and Receptacles

INCREASED SAFETY EX E

Catalog Numbering Guide - Plugs and Receptacles

PRE
PRE Series
Zone 1, 2, 21 and 22

2
Pin Configuration:
2 - 2P
3 - 2P+E
4 - 3P+E
5 - 3P+N+E
6 - 3P

16
Amps:
16 - 16A

R
Equipment:
P - Plug
R - Receptacle
(Wall Mounting)
M - Mobile Socket
F - Flush Socket

P
Voltage:
P - 20 - 25 Vac 50/60 Hz
W1 - 20 - 50 Vdc
W - 40 - 50 Vac 50/60 Hz
Y - 100 - 130 Vac 50/60 Hz
B - 200 - 250 Vac 50/60 Hz
R - 380 - 415 Vac 50/60 Hz
N - 480 - 500 Vac 50/60 Hz
G - 50 - 500 Vac 300 to 500 Hz

ELV: Extra Low Voltage

Purple (P)	White (W1)	White (W)
20/25 Vac	20/50 Vdc	40/50 Vac

LV: Low Voltage

Yellow (Y)	Blue (B)	Red (R)	Black (N)	Green (G)
100/130 Vac	200/250 Vac	380/415 Vac	480/500 Vac	50/500 Vac (300 to 500 Hz)

PRE Series 16 Amp Extra Low Voltage and Low Voltage Plugs and Sockets

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

Description	Pin Configuration	Weight kg	Volume dm³	Catalog Number
Extra Low Voltage: ELV				
20/25 Vac 50/60 Hz — Purple				
Wall Socket	 polarization tab 2P	0.6	3.8	PRE216RP
Plug		0.2	0.6	PRE216PP
Mobile Socket		0.4	1.3	PRE216MP
Flush Socket		0.2	1.3	PRE216FP
Wall Socket	 10h 2P+E	0.6	3.8	PRE316RP
Plug		0.2	0.6	PRE316PP
Mobile Socket		0.4	1.3	PRE316MP
Flush Socket		0.2	1.3	PRE316FP
Wall Socket	 polarization tab 3P	0.6	3.8	PRE616RP
Plug		0.2	0.6	PRE616PP
Mobile Socket		0.4	1.3	PRE616MP
Flush Socket		0.2	1.3	PRE616FP
20/50 Vdc — White				
Wall Socket	 auxiliary tab 10h polarization tab 2P	0.6	3.8	PRE216RW1
Plug		0.2	0.6	PRE216PW1
Mobile Socket		0.4	1.3	PRE216MW1
Flush Socket		0.2	1.3	PRE216FW1
40/50 Vac 50/60 Hz — White				
Wall Socket	 polarization tab 2P	0.6	3.8	PRE216RW
Plug		0.2	0.6	PRE216PW
Mobile Socket		0.4	1.3	PRE216MW
Flush Socket		0.2	1.3	PRE216FW
Wall Socket	 auxiliary pin 12h polarization tab 3P	0.6	3.8	PRE616RW
Plug		0.2	0.6	PRE616PW
Mobile Socket		0.4	1.3	PRE616MW
Flush Socket		0.2	1.3	PRE616FW
Low Voltage: LV				
100/130 Vac 50/60 Hz — Yellow				
Wall Socket	 L/+ 4h 2P+E	0.6	3.8	PRE316RY
Plug		0.2	0.6	PRE316PY
Mobile Socket		0.4	1.3	PRE316MY
Flush Socket		0.2	1.3	PRE316FY
200/250 Vac 50/60 Hz — Blue				
Wall Socket	 L/+ 6h 2P+E	0.6	3.8	PRE316RB
Plug		0.2	0.6	PRE316PB
Mobile Socket		0.4	1.3	PRE316MB
Flush Socket		0.2	1.3	PRE316FB
Shaded catalog numbers are normally stocked items. All other items are made to order.				

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PRE Series 16 Amp Low Voltage Plugs and Sockets and Accessories

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E

Description	Pin Configuration	Weight kg	Volume dm³	Catalog Number
Low Voltage: LV				
200/250 Vac 50/60 Hz — Blue				
Wall Socket		1.5	4.7	PRE416RB
Plug		0.6	0.6	PRE416PB
Mobile Socket		0.6	4.0	PRE416MB
Flush Socket		0.2	1.3	PRE416FB
Wall Socket		1.6	4.7	PRE516RB
Plug		0.3	1.3	PRE516PB
Mobile Socket		0.6	4.0	PRE516MB
Flush Socket		(1) 120/208 V - 144/250 Vac 50/60 Hz	0.2	1.3
380/415 Vac 50/60 Hz — Red				
Wall Socket		1.5	4.7	PRE416RR
Plug		0.2	0.6	PRE416PR
Mobile Socket		0.6	4.0	PRE416MR
Flush Socket		0.3	1.3	PRE416FR
Wall Socket		1.6	4.7	PRE516RR
Plug		0.3	1.3	PRE516PR
Mobile Socket		0.6	4.0	PRE516MR
Flush Socket		(2) 200/346 V - 240/415 Vac 50/60 Hz	0.3	1.3
480/500 Vac 50/60 Hz — Black				
Wall Socket		1.5	4.7	PRE416RN
Plug		0.2	0.6	PRE416PN
Mobile Socket		0.6	4.0	PRE416MN
Flush Socket		0.3	1.3	PRE416FN
50/500 Vac 300/500 Hz — Green				
Wall Socket		1.6	4.7	PRE516RG
Plug		0.2	0.6	PRE516PG
Mobile Socket		0.6	4.0	PRE516MG
Flush Socket		0.3	1.3	PRE516FG
Accessories				
Description				Catalog Number
 M5 earth stud with black neoprene sealing washer and green/yellow earth conductor, length 300 mm Certification type BVE : Exe - IP66 - 03 ATEX 0011 U - IECEx LCI 04.0027U				PREESTM20
 M20 earth continuity adaptor with black neoprene sealing washer and green/yellow earth conductor, length 300 mm Certification type ACC : Exe - IP66 - 03 ATEX 0020 U				PREECAM20

Shaded catalog numbers are normally stocked items. All other items are made to order.

PRE Series 16 Amp Plug and Socket Dimensions

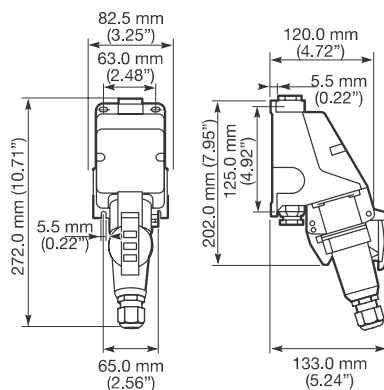
Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

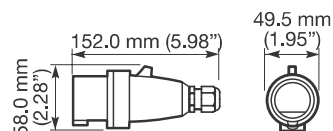
Dimensions

16A — 2P — 2P+E — 3P Versions

Wall Mounting Sockets

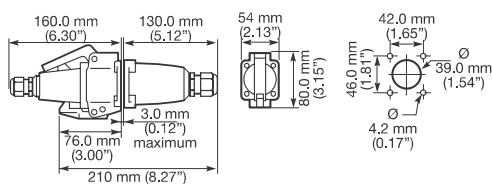


Plugs

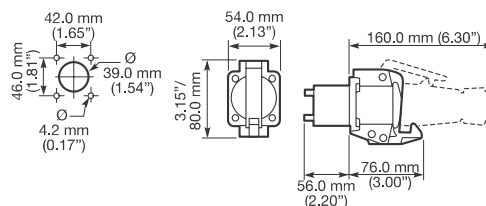


Mobile Sockets

Can be mounted on panel - 0.12"/3.0 mm thickness maximum

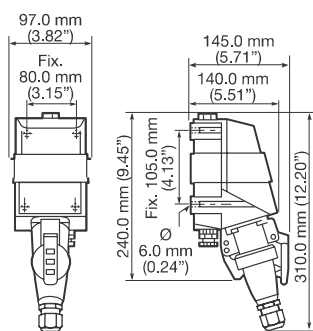


Flush Sockets

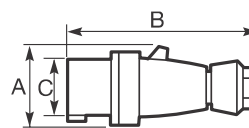


16A — 3P+E — 3P+N+E Versions

Wall Mounting Sockets



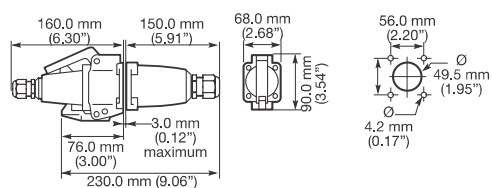
Plugs



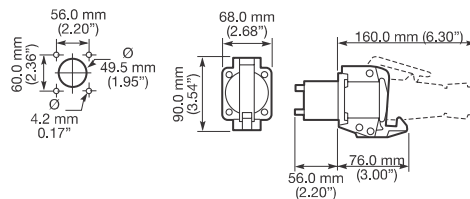
	Dimensions in Millimeters		
	A	B	C
3 P + E	66.0	154.0	55.5
3 P + N + E	73.0	166.0	62.0

Mobile Sockets

Can be mounted on panel - 3.0 mm thickness maximum



Flush Sockets



PRE Series 32 Amp Plugs and Sockets

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

Applications

- Plugs and sockets are used with portable or stationery electrical equipment such as:
 - Lighting systems
 - Conveyors
 - Heaters
 - Motor generators
 - Air conditioning equipment
 - Compressors
 - Pumps
- For use in corrosive atmospheres and installations in Zone 1 and 2 and 21 and 22 of the oil and gas industry, such as:
 - Refineries
 - Chemical and petrochemical plants
 - Pipelines
 - Loading docks
 - Onshore and offshore drilling platforms
 - LNG Trains
 - Gas Compressor Stations

Features

- Plug and socket system is designed with a safe disconnect mechanism to insure maximum hazardous location protection:
 - The contact separation is in a flameproof chamber
 - The automatic electrical disconnection of each phase is contained in a second flameproof chamber
- Short circuit protection is 20 kA, while normal reference is 10 kA.
- Different voltages are color coded for easy identification.
- The sockets are keyed to accept only ATX plugs (other plugs can not be inserted).
- ATX plugs can be used in non-hazardous sockets.

Standard Materials

- Wall Socket: high impact resistance fiberglass reinforced polyester
- Plug, mobile socket and flush socket: polyamide

Certifications and Compliances

◆ATEX/IECEX Certification

- Certification Type PCX (Plug, socket and mobile socket)**
 - Gas: Zones 1 and 2
 - Conforming to ATEX 94/9/CE: Ⓔ II 2 G
 - Type of Protection: Ex de IIC
 - Temperature class: T6 for $T_a \leq +40^\circ\text{C}$ and T5 for $+55^\circ\text{C}$
 - Dust: Zones 21 and 22
 - Conforming to ATEX 94/9/CE: Ⓔ II 2 D
 - Type of Protection: Ex td A21
 - Surface Temperature: T68 $^\circ\text{C}$
 - Ambient Temperature: $-40^\circ\text{C} \leq T_a \leq +55^\circ\text{C}$
 - Index of Protection according EN/IEC 60529: IP66
 - Impact Resistance (shock): IK10 (Polyester) and IK09 (Polyamide)
 - CE Declaration of Conformity: 50228
 - ATEX Certificate: LCIE 02 ATEX 6068
 - IECEX Certificate: IECEX LCI 04.0014

• Certification Type PCX/EN (Flush socket)

- Gas: Zones 1 and 2
 - Conforming to ATEX 94/9/CE: Ⓔ II 2 G
 - Type of Protection: Ex de IIC
 - Temperature class: T6 for $T_a \leq +40^\circ\text{C}$ and T5 for $+55^\circ\text{C}$
- Dust: Zones 21 and 22
 - Conforming to ATEX 94/9/CE: Ⓔ II 2 D
 - Type of Protection: Ex td A21
 - Surface Temperature: T68 $^\circ\text{C}$
- Ambient Temperature: $-40^\circ\text{C} \leq T_a \leq +55^\circ\text{C}$
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK09 (Polyamide)
- CE Declaration of Conformity: 5C214
- ATEX Certificate: LCIE 02 ATEX 0001U
- IECEX Certificate: IECEX LCI 07.0012U

◆EURASEC Certification

- Certification Type PCX (Plug, socket and mobile socket)**
 - EURASEC N° TC RU C-FR.7505.B.00910
- Certification Type PCX/EN (Flush socket)**
 - EURASEC N° TC RU C-FR.7505.B.00910

◆Others Certification

- Certification Type PCX (Plug, socket and mobile socket)**
 - Inmetro Certificate: BVC11.0639 ^①
- Certification Type PCX/EN (Flush socket)**
 - Inmetro Certificate: BVC11.0598-U ^①



Technical Data

Breaking Capacity	
AC 1	32 A – 500 V
AC 22	11 kW – 220 V
	12 kW – 240 V
	19 kW – 380 V
ICC	20.7 kW – 415 V
	20 kA

PRE Series 32 Amp Plugs and Sockets

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)



Wall Mounting Socket

- Three M25 threaded entries (one on the top and two on the bottom).
- Supplied with one M25 cable gland – Ø 8 to Ø 18.5 mm and two M25 blanking plugs.
- Terminal capacity 2 x 6 mm².
- Fitted with three linked earth terminals.



Plug

- One PG21 integrated cable gland – Ø 8 to Ø 18.5 mm for 3P+N+E versions.
- Terminal capacity 6 mm².



Mobile Socket

- One PG21 integrated cable gland – Ø 8 to Ø 18.5 mm for 2P+E and 3P+E versions.
- One PG29 integrated cable gland – Ø 18 to Ø 25 mm for 3P+N+E versions.
- Terminal capacity 2 x 6 mm².



Flush Socket

- Terminal capacity 2 x 6 mm².

Catalog Numbering Guide — Plugs and Receptacles

PRE	3	32	R	P
PRE Series Zone 1, 2, 21 and 22 ATEX / IECEx	Pin Configuration: 3 - 2P+E 4 - 3P+E 5 - 3P+N+E	Amps: 32 - 32A	Equipment: P - Plug R - Receptacle (Wall Mounting) M - Mobile Socket F - Flush Socket	Voltage: Y - 100 - 130 Vac 50/60 Hz B - 200 - 250 Vac 50/60 Hz R - 380 - 415 Vac 50/60 Hz N - 480 - 500 Vac 50/60 Hz

LV: Low Voltage

Yellow (Y)	Blue (B)	Red (R)	Black (N)
100/130 Vac	200/250 Vac	380/415 Vac	480/500 Vac

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

PRE Series 32 Amp Low Voltage Plugs and Sockets

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E

Description	Pin Configuration	Weight kg	Volume dm ³	Catalog Number	
100/130 Vac 50/60 Hz — Yellow					
Wall Socket		1.9	7.0	PRE332RY	
Plug		0.5	4.0	PRE332PY	
Mobile Socket		0.8	3.2	PRE332MY	
Flush Socket		0.6	2.7	PRE332FY	
200/250 Vac 50/60 Hz — Blue					
Wall Socket		1.9	7.0	PRE332RB	
Plug		0.5	4.0	PRE332PB	
Mobile Socket		0.8	3.2	PRE332MB	
Flush Socket		0.6	2.7	PRE332FB	
Wall Socket		1.9	7.0	PRE432RB	
Plug		0.5	4.0	PRE432PB	
Mobile Socket		0.8	3.2	PRE432MB	
Flush Socket		0.6	2.7	PRE432FB	
Wall Socket		1.9	7.0	PRE532RB	
Plug		0.5	4.0	PRE532PB	
Mobile Socket		1.0	4.0	PRE532MB	
Flush Socket		(1) 120/208 V - 144/250 Vac 50/60 Hz	0.6	2.7	PRE532FB
380/415 Vac 50/60 Hz — Red					
Wall Socket		2.0	7.0	PRE432RR	
Plug		0.4	4.0	PRE432PR	
Mobile Socket		0.8	3.2	PRE432MR	
Flush Socket		0.6	2.7	PRE432FR	
Wall Socket		2.0	7.0	PRE532RR	
Plug		0.5	4.0	PRE532PR	
Flush Socket		(2) 200/346 V - 240/415 Vac 50/60 Hz	0.6	2.7	PRE532FR
480/500 Vac 50/60 Hz — Black					
Wall Socket		2.0	7.0	PRE432RN	
Plug		0.4	4.0	PRE432PN	
Mobile Socket		1.0	4.0	PRE432MN	
Flush Socket		0.6	2.7	PRE432FN	

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PRE Series 32 Amp Low Voltage Plug and Socket Accessories and Dimensions

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

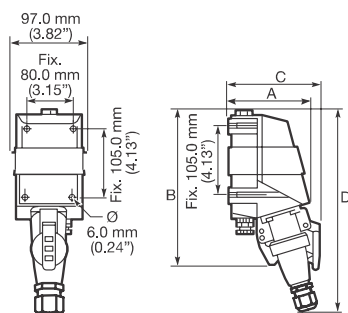
Accessories

	Description	Catalog Number
	M5 earth stud with black neoprene sealing washer and green/yellow earth conductor, length 300 mm Certification type BVE : Exe - IP66 - 03 ATEX 0011 U - IECEx LCI 04.0027U	PREESTM25
	M25 earth continuity adaptor with black neoprene sealing washer and green/yellow earth conductor, length 300 mm Certification type ACC : Exe - IP66 - 03 ATEX 0020 U	PREECAM25

Dimensions

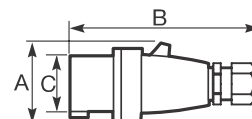
32A — 2P+E — 3P+E — 3P+N+E Versions

Wall Mounting Sockets



	Dimensions in Millimeters			
	A	B	C	D
2 P + E	140.0	275.0	155.0	370.0
3 P + E	140.0	275.0	155.0	370.0
3 P + N + E	140.0	275.0	165.0	375.0

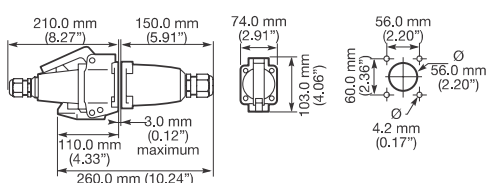
Plugs



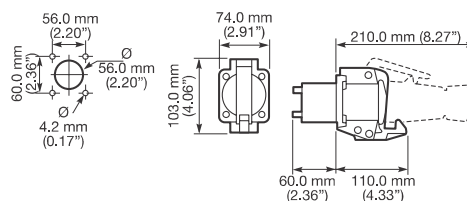
	Dimensions in Millimeters		
	A	B	C
2 P + E	80.0	170.0	67.0
3 P + E	80.0	170.0	67.0
3 P + N + E	80.0	195.0	74.0

Mobile Sockets

Can be mounted on panel - 3.0 mm thickness maximum



Flush Sockets



PRE Series 63 Amp Plugs and Sockets

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

Applications

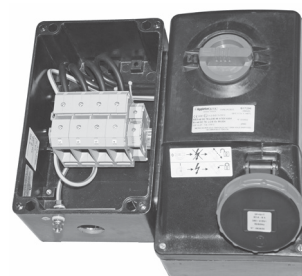
- Plugs and sockets are used with stationary or portable electrically operated devices such as:
 - Welding devices
 - Lighting systems
 - Conveyors
 - Heaters
 - Motor generator sets
 - Air conditionings
 - Compressors
 - Pumps
- For use in corrosive atmospheres and installations in Zones 1, and 2 and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



Plug



Wall Mounting Socket



Wall Mounting Socket Through-Wired

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 max).
- 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: high impact resistance fiberglass reinforced polyester.
- Flap cover and plug: polyamide

Certifications and Compliances

◆ATEX/IECEx Certification

- Certification Type PC63X**
 - 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 and T5 for +55 °C
 - Dust: Zones 21 and 22
 - Conforming to ATEX 94/9/CE: Ⓜ II 2 D
 - Type of Protection: Ex tD A21
 - Surface Temperature: T90 °C
 - Ambient Temperature: -30 °C to +55 °C
 - Index of Protection according EN/IEC 60529: IP66
 - Impact Resistance (shock): IK10
 - CE Declaration of Conformity: 50208
 - ATEX Certificate: LCIE 99 ATEX 6004
 - IECEx Certificate: IECEx LCIE 13.0010

◆EURASEC Certification

- EURASEC N° TC RU C-FR.r505.B.00910

◆Others Certification

- Inmetro Certificate: BVC11.0595 ①

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

PRE Series 63 Amp Plugs and Sockets

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)



Wall Mounting Socket

- Standard versions:
 - Supplied with one M50 cable gland for unarmored cable – Ø 28 to Ø 42 mm and one M25 blanking plug.
 - Terminal capacity 1 x 25 mm².

- Through-wired versions:
 - Supplied with two M50 cable glands for unarmored cable – Ø 28 to Ø 42 mm and one M25 blanking plug.
 - Terminal capacity 2 x 25 mm².



Plug

- One integrated cable entry for unarmored flexible cable – Ø 17.5 to Ø 29 mm for 3P + E versions; Ø 17.5 to Ø 32 mm for 3P + N + E versions.
- Terminals capacity 16 mm².

63 Amps			
Main Contacts			
Rated Insulation Voltage		690 Vac	
Rated Operating Voltage		690 Vac	
Rated Operating Current		63 Amp	
Rated Surge Voltage		6 KV	
Switching Capacity			
AC 21 A / AC 22 A		63 Amp	230 Volt to 690 Volt
AC 23 A		15 kW	230 Volt
		22 kW	400 Volt
		30 kW	500 Volt
		18,5 kW	690 Volt
AC 3		11 kW	230 Volt
		18,5 kW	400 Volt
		22 kW	500 Volt
		15 KW	690 Volt
DC 21		—	
DC 22		—	
DC 23		—	
Auxiliary Contacts			
Rated Insulation Voltage		400 Volt	
Rated Operating Voltage		400 Volt	
Rated Operating Current		10 Amp	
Switching Capacity: AC 15		6 Amp	230 Volt
		4 Amp	400 Volt
Others			
Termination (flexible/solid)		25 mm²	

PRE Series 63 Amp Plugs and Sockets

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

Catalog Numbering Guide — Plugs and Receptacles

PRE PRE Series Zone 1, 2, 21 and 22 ATEX/IECEX certified	4 Pin Configuration: 4 - 3P+E 5 - 3P+N+E	63 Amps: 63 - 63A	R Equipment: P - Plug R - Receptacle (Wall Mounting)	B Voltage: B - 200 - 250 Vac 50/60 Hz 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	A Cable Type: A - Armored U - Unarmored	3 Cable Entry Size: ① 3 - M32 4 - M40 5 - M50 6 - M63	S Options: S - 316L Stainless Steel T - Through-wired
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LV: Low Voltage

Blue (B)	Red (R)	Black (N)	Red (R1)	Black (N1)
200/250 Vac	380/415 Vac	480/500 Vac	440/460 Vac	600/690 Vac

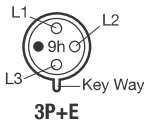
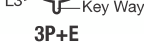
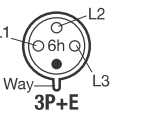
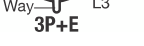
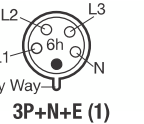
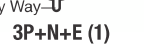
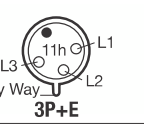
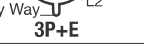
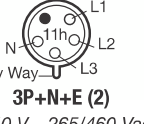
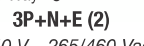
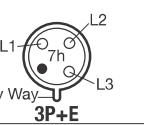
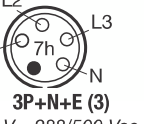
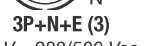
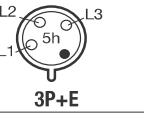
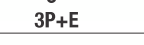
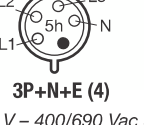
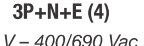
① With one M25 plugged entry.

PRE Series 63 Amp Plugs and Sockets

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

Standard Versions

Description	Pin Configuration	Weight kg	Volume dm ³	Catalog Number
200/250 Vac 50/60 Hz — Blue				
Wall Socket		8.0	26.0	PRE463RBU5
Plug		1.0	7.0	PRE463PB
380/415 Vac 50/60 Hz — Red				
Wall Socket		8.0	26.0	PRE463RRU5
Plug		1.0	7.0	PRE463PR
Wall Socket		8.0	26.0	PRE563RRU5
Plug		1.0	7.0	PRE563PR
<i>(1) 200/346 V – 240/415 Vac 50/60 Hz</i>				
440/460 Vac 60 Hz — Red				
Wall Socket		8.0	26.0	PRE463RR1U5
Plug		1.0	7.0	PRE463PR1
Wall Socket		8.0	26.0	PRE563RR1U5
Plug		1.0	7.0	PRE563PR1
<i>(2) 250/440 V – 265/460 Vac 60 Hz</i>				
480/500 Vac 50/60 Hz — Black				
Wall Socket		8.0	26.0	PRE463RNU5
Plug		1.0	7.0	PRE463PN
Wall Socket		8.0	26.0	PRE563RNU5
Plug		1.0	7.0	PRE563PN
<i>(3) 277/480 V – 288/500 Vac 50/60 Hz</i>				
600/690 Vac 50/60 Hz — Black				
Wall Socket		8.0	26.0	PRE463RN1U5
Plug		1.0	7.0	PRE463PN1
Wall Socket		8.0	26.0	PRE563RN1U5
Plug		1.0	7.0	PRE563PN1
<i>(4) 347/600 V – 400/690 Vac 50/60 Hz</i>				

Shaded catalog numbers are normally stocked items. All other items are made to order.

PRE Series 63 Amp Plugs and Sockets

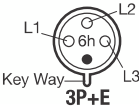
Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

Plugs and Receptacles

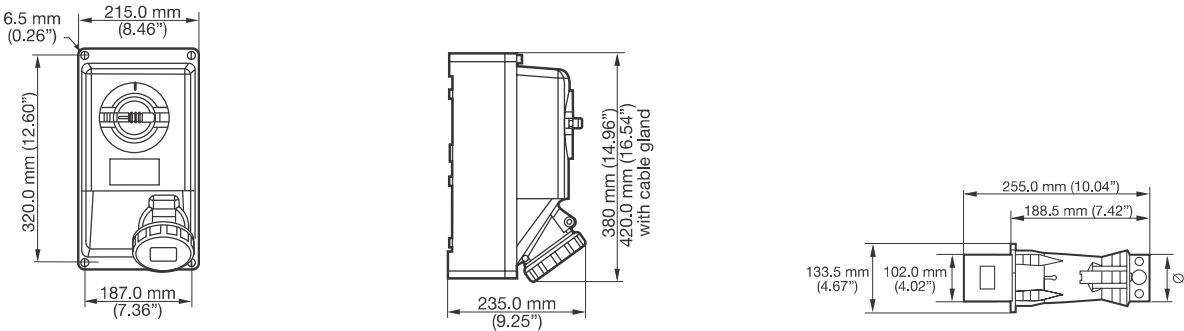
INCREASED SAFETY EX E

Through-wired Versions

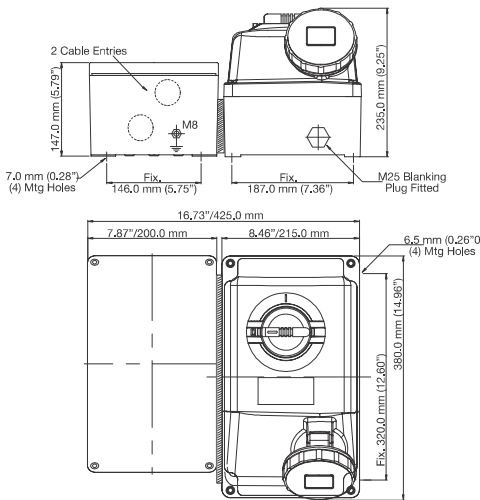
Description	Pin Configuration	Weight kg	Volume dm ³	Catalog Number
380/415 Vac 50/60 Hz — Red				
Wall Socket		16.0	110.0	PRE463RRU5T
Wall Socket		16.0	110.0	PRE563RRU5T
(1) 200/346 V – 240/415 Vac 50/60 Hz				

Dimensions

Standard Version



Through-Wired Version



PRE Series 125 Amp Plugs and Sockets

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

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
 - LNG Trains
 - Gas Compressor Stations

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 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

Certifications and Compliances

◆ ATEX Certification

- **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 and T5 for +55 °C
 - Dust: Zones 21 and 22
 - Conforming to ATEX 94/9/CE: Ⓜ II 2 D
 - Type of Protection: Ex tD A21
 - Surface Temperature: T90 °C
 - Ambient Temperature: -30 °C to +55 °C
 - 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.r505.B.00910

◆ Others Certification

- INMETRO Certificate: BVC11.0596 ①



Plug



Wall Mounting Socket

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

PRE Series 125 Amp Plugs and Sockets

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)



Wall Mounting Socket

- One M63 cable gland for unarmored cable – Ø 36 to Ø 44 mm and one M25 blanking plug.
- Terminal capacity 120 mm².



Plug

- One integrated cable entry for unarmored flexible cable – Ø 30 to Ø 48 mm.
- Terminals capacity 50 mm²

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	

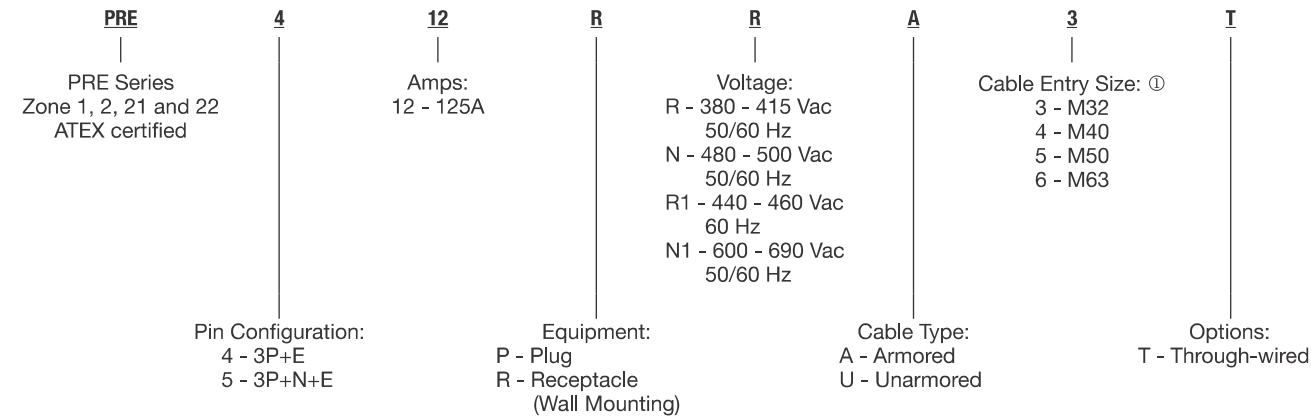
① 2 contacts connected in series per pole.

PRE Series 125 Amp Plugs and Sockets

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

Catalog Numbering Guide



LV: Low Voltage

Red (R)	Black (N)	Red (R1)	Black (N1)
380/415 Vac	480/500 Vac	440/460 Vac	600/690 Vac

① With one M25 plugged entry.

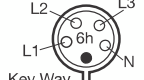
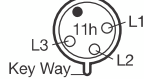
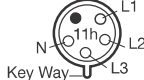
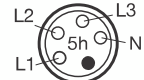
PRE Series 125 Amp Plugs and Sockets

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

Plugs and Receptacles

INCREASED SAFETY EX E

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

Shaded catalog numbers are normally stocked items. All other items are made to order.

PRE Series 125 Amp Plug and Socket

Increased Safety

Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

Dimensions

