

ATX™ PRE Series 32 Amp Plugs and Sockets

Increased Safety

ATEX/IECEX:
Zone 1 and 2 - 21 and 22
II 2 GD
IP66 - IK10

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

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

ATEX/IECEX Certifications and Compliances

- 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 (-40 °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: T68 °C (T154 °F)
 - 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 (-40 °F) and T5 for +55 °C (+131 °F)

LV: Low Voltage



Plug



Wall Mounting Socket



Mobile Socket



Flush Socket

Technical Data

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

- Dust: Zones 21 and 22
 - Conforming to ATEX 94/9/CE: II 2 D
 - Type of Protection: Ex tD A21
 - Surface Temperature: T68 °C (T154 °F)
- Impact Resistance (shock): IK09 (Polyamide)
- CE Declaration of Conformity: 5C214
- ATEX Certificate: LCIE 02 ATEX 0001U
- IECEX Certificate: IECEX LCI 07.0012U
- Ambient Temperature: -40 °C ≤ Ta ≤ +55 °C (-40 °F ≤ Ta ≤ +131 °F)
- Index of Protection according EN/IEC 60529: IP66

EURASEC Certification

- Certification Type PCX (Plug, socket and mobile socket)
 - EURASEC N° TC RU C-FR.Г505.В.00910
- Certification Type PCX/EN (Flush socket)
 - EURASEC N° TC RU C-FR.Г505.В.00910

Other 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

PLUGS AND RECEPTACLES: ATEX/IECEX INCREASED SAFETY

Appleton®

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

Visit our website at www.emerson.com or contact us at (800) 621-1506.
 © November 2016

533

EMERSON

ATX™ PRE Series 32 Amp Plugs and Sockets Increased Safety

ATEX/IECEX:
 Zone 1 and 2 - 21 and 22
 II 2 GD
 IP66 - IK10



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 (Ø 0.31 to Ø 0.73”) and two M25 blanking plugs.
- Terminal capacity 2 x 6 mm² (0.003 x 0.009 in²).
- Fitted with three linked earth terminals.



Plug

- One PG21 integrated cable gland – Ø 8 to Ø 18.5 mm (Ø 0.31 to Ø 0.73”) for 3P+N+E versions.
- Terminal capacity 6 mm² (0.009 in²).



Mobile Socket

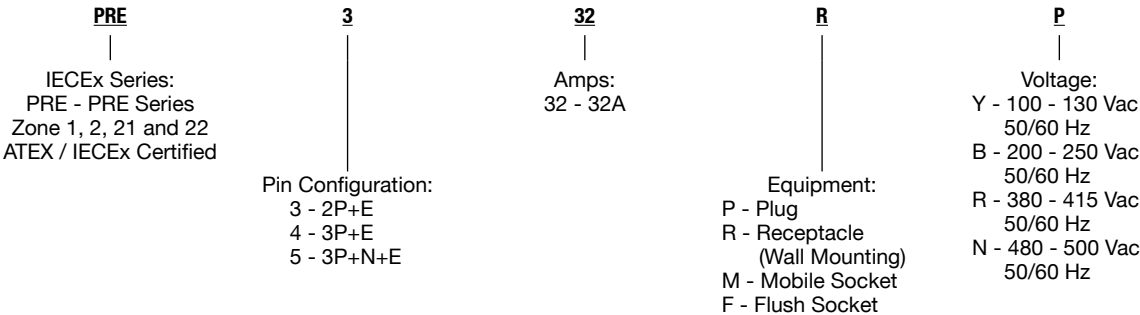
- One PG21 integrated cable gland – Ø 8 to Ø 18.5 mm (Ø 0.31 to Ø 0.73”) for 2P+E and 3P+E versions.
- One PG29 integrated cable gland – Ø 18 to Ø 25 mm (Ø 0.70 to Ø 0.98”) for 3P+N+E versions.
- Terminal capacity 2 x 6 mm² (0.003 x 0.009 in²)



Flush Socket

- Terminal capacity 2 x 6 mm² (0.003 x 0.009 in²)

Catalog Numbering Guide — IECEx Internationally Certified Plugs and Receptacles



LV: Low Voltage

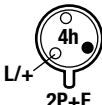
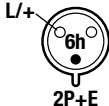
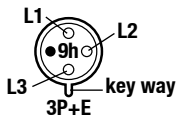
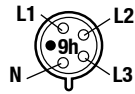
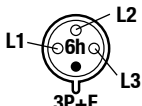
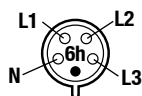
Yellow	Blue	Red	Black
100/130 Vac	200/250 Vac	380/415 Vac	480/500 Vac

PLUGS AND RECEPTACLES: ATEX/IECEX INCREASED SAFETY

ATX™ PRE Series 32 Amp Low Voltage Plugs and Sockets

Increased Safety

ATEX/IECEX:
Zone 1 and 2 - 21 and 22
II 2 GD
IP66 - IK10

Description	Pin Configuration	Weight kg (lb)	Volume dm³ (in³)	Catalog Number	
100/130 Vac 50/60 Hz — Yellow					
Wall Socket		1.9 (4.19)	7.0 (427.17)	PRE332RY	
Plug		0.5 (1.10)	4.0 (244.09)	PRE332PY	
Mobile Socket		0.8 (1.76)	3.2 (195.28)	PRE332MY	
Flush Socket		0.6 (1.32)	2.7 (164.76)	PRE332FY	
200/250 Vac 50/60 Hz — Blue					
Wall Socket		1.9 (4.19)	7.0 (427.17)	PRE332RB	
Plug		0.5 (1.10)	4.0 (244.09)	PRE332PB	
Mobile Socket		0.8 (1.76)	3.2 (195.28)	PRE332MB	
Flush Socket		0.6 (1.32)	2.7 (164.76)	PRE332FB	
Wall Socket		1.9 (4.19)	7.0 (427.17)	PRE432RB	
Plug		0.5 (1.10)	4.0 (244.09)	PRE432PB	
Mobile Socket		0.8 (1.76)	3.2 (195.28)	PRE432MB	
Flush Socket		0.6 (1.32)	2.7 (164.76)	PRE432FB	
Wall Socket		1.9 (4.19)	7.0 (427.17)	PRE532RB	
Plug		0.5 (1.10)	4.0 (244.09)	PRE532PB	
Mobile Socket		1.0 (2.20)	4.0 (244.09)	PRE532MB	
Flush Socket		(1) 120/208 V - 144/250 Vac 50/60 Hz	0.6 (1.32)	2.7 (164.76)	PRE532FB
380/415 Vac 50/60 Hz — Red					
Wall Socket		2.0 (4.41)	7.0 (427.17)	PRE432RR	
Plug		0.4 (0.88)	4.0 (244.09)	PRE432PR	
Mobile Socket		0.8 (1.76)	3.2 (195.28)	PRE432MR	
Flush Socket		0.6 (1.32)	2.7 (164.76)	PRE432FR	
Wall Socket		2.0 (4.41)	7.0 (427.17)	PRE532RR	
Plug		0.5 (1.10)	4.0 (244.09)	PRE532PR	
Mobile Socket		1.0 (2.20)	4.0 (244.09)	PRE532MR	
Flush Socket		(2) 200/346 V - 240/415 Vac 50/60 Hz	0.6 (1.32)	2.7 (164.76)	PRE532FR
480/500 Vac 50/60 Hz — Black					
Wall Socket		2.0 (4.41)	7.0 (427.17)	PRE432RN	
Plug		0.4 (0.88)	4.0 (244.09)	PRE432PN	
Mobile Socket		1.0 (2.20)	4.0 (244.09)	PRE432MN	
Flush Socket		0.6 (1.32)	2.7 (164.76)	PRE432FN	

PLUGS AND RECEPTACLES: ATEX/IECEX INCREASED SAFETY

Appleton®

ATX™ PRE Series 32 Amp Low Voltage Plug and Socket Accessories

Increased Safety

ATEX/IECEX:
Zone 1 and 2 - 21 and 22
II 2 GD
IP66 - IK10

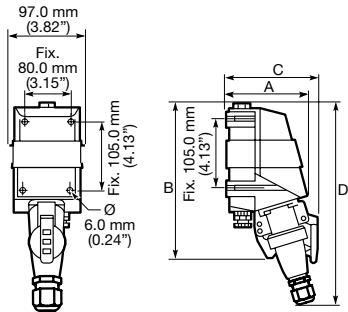
Accessories

	Description	Catalog Number
	M5 earth stud with black neoprene sealing washer and green/yellow earth conductor, length 300 mm (11.8")	PREESTM25
	M20 earth continuity adaptor with black neoprene sealing washer and green/yellow earth conductor, length 300 mm (11.8")	PREECAM25

Dimensions in Millimeters (Inches)

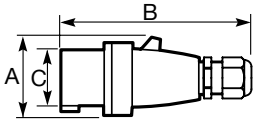
32A — 2P+E — 3P+E — 3P+N+E Versions

Wall Mounting Sockets



	Dimensions in Millimeters (Inches)			
	A	B	C	D
2 P + E	140.0 (5.51)	275.0 (10.83)	155.0 (6.10)	370.0 (14.67)
3 P + E	140.0 (5.51)	275.0 (10.83)	155.0 (6.10)	370.0 (14.67)
3 P + N + E	140.0 (5.51)	275.0 (10.83)	165.0 (6.50)	375.0 (14.76)

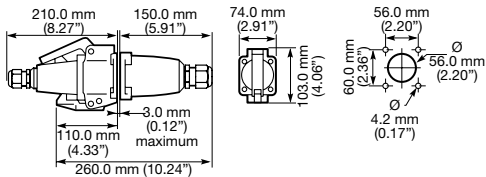
Plugs



	Dimensions in Millimeters (Inches)		
	A	B	C
2 P + T	80.0 (3.15)	170.0 (6.69)	67.0 (2.64)
3 P + T	80.0 (3.15)	170.0 (6.69)	67.0 (2.64)
3 P + N + T	80.0 (3.15)	195.0 (7.68)	74.0 (2.91)

Mobile Sockets

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



Flush Sockets

