

Plugs & Sockets

PRE Series: 16 A Plugs and Sockets – Increased Safety

Zone 1 & 2 - 21 & 22

II 2 GD

ATEX / IECEx

IP66 - IK09/10

Applications:

- Plugs and sockets are used with portable or stationery electrical equipment such as lighting systems, conveyors, heaters, motor generators, air conditioning equipment, compressors and 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 and onshore and offshore drilling platforms.

Features:

- Plug and socket assembly is equipped with a patented silver-plated linear switch which allows a total disconnection of power when plug is removed:
 - The high voltage 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.

Wall Mounting Sockets:

- 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.

Plugs:

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

Mobile Sockets:

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

Flush Sockets:

- Terminal capacity 2 x 4 mm².

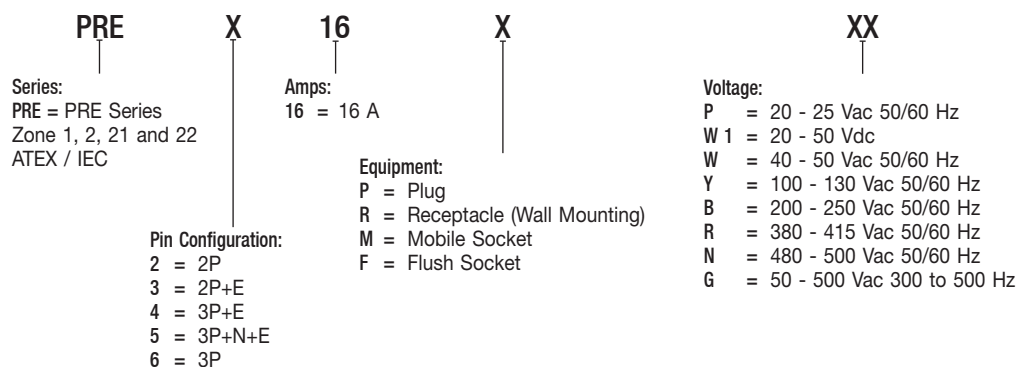
Standard Material of Fixtures:

- High impact resistance polycarbonate.
- High impact resistance fiberglass reinforced polyester.
- Polyamide.

2P - 2P+E - 3P	
Wall Socket	Polycarbonate
Plug	Polyamide
Mobile Socket	Polyamide
Flush Socket	Polyamide

3P+E - 3P+N+E	
Wall Socket	Polyester
Plug	Polyamide
Mobile Socket	Polyamide
Flush Socket	Polyamide

Catalog Number Logic:



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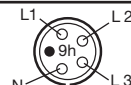
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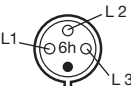
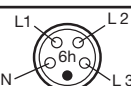
Ordering Information – Continued:

Low Voltage: LV

16 A – 200/250 Vac 50/60 Hz

Equipment	Pin Configuration	Weight (kg)	Volume (dm ³)	Catalog Number	Old Catalog Number	Pack
Wall Socket		0.6	3.8	PRE316RB	097426	1
Plug		0.2	0.6	PRE316PB	097433	1
Mobile Socket		0.4	1.3	PRE316MB	097401	1
Flush Socket		0.2	1.3	PRE316FB	097413	1
Wall Socket		1.5	4.7	PRE416RB	097424	1
Plug		0.2	0.6	PRE416PB	097434	1
Mobile Socket		0.6	4.0	PRE416MB	097403	1
Flush Socket		0.2	1.3	PRE416FB	097414	1
Wall Socket		1.6	4.7	PRE516RB	097425	1
Plug		0.3	1.3	PRE516PB	097435	1
Mobile Socket		0.6	4.0	PRE516MB	097407	1
Flush Socket		0.2	1.3	PRE516FB	097415	1

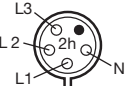
16 A – 380/415 Vac 50/60 Hz

Equipment	Pin Configuration	Weight (kg)	Volume (dm ³)	Catalog Number	Old Catalog Number	Pack
Wall Socket		1.5	4.7	PRE416RR	097427	1
Plug		0.2	0.6	PRE416PR	097437	1
Mobile Socket		0.6	4.0	PRE416MR	097404	1
Flush Socket		0.3	1.3	PRE416FR	097417	1
Wall Socket		1.6	4.7	PRE516RR	097428	1
Plug		0.3	1.3	PRE516PR	097438	1
Mobile Socket		0.6	4.0	PRE516MR	097408	1
Flush Socket		0.3	1.3	PRE516FR	097418	1

16 A – 480/500 Vac 50/60 Hz

Equipment	Pin Configuration	Weight (kg)	Volume (dm ³)	Catalog Number	Old Catalog Number	Pack
Wall Socket		1.5	4.7	PRE416RN	097441	1
Plug		0.2	0.6	PRE416PN	097451	1
Mobile Socket		0.6	4.0	PRE416MN	097409	1
Flush Socket		0.3	1.3	PRE416FN	097421	1

16 A – 50/500 Vac 300/500 Hz

Equipment	Pin Configuration	Weight (kg)	Volume (dm ³)	Catalog Number	Old Catalog Number	Pack
Wall Socket		1.6	4.7	PRE516RG	097429	1
Plug		0.2	0.6	PRE516PG	097439	1
Mobile Socket		0.6	4.0	PRE516MG	097411	1
Flush Socket		0.3	1.3	PRE516FG	097423	1

(1) 120/208 V - 144/250 Vac 50/60 Hz

(2) 200/346 V - 240/415 Vac 50/60 Hz