

UPRD Series 16 Amp Plugs and Sockets

Flameproof

ATEX/IECEx: Zones 1 and 2 – 21 and 22

Applications

- Hazardous areas where plugs and sockets are used with portable or stationary electrical equipment such as lighting and heating systems, conveyors, motor starters, air-conditioning appliances, compressors and pumps.
- Ideal for hazardous areas where weatherproof and robust equipment is required.
- Ideal for hazardous areas in the oil and gas industry; such as refineries, pipelines and offshore sea-rigs.



16 Amp Plug and Receptacle

Features

- Flameproof seal with cylindrical spigot joint.
- Automatic disconnection of the poles by patented dual-safety device, which ensures the following once the plug is removed from the socket outlet:
 - Automatic and simultaneous disconnection of each phase in a flameproof chamber
 - Disconnection, once power is off, of the pins in the second flameproof chamber
- Cover can be padlocked – 1 padlock diameter 5 mm (0.20"), length 45 mm (1.77").
- Wall sockets incorporate a safety device that only accepts plugging of ATX plugs which are certified for use in hazardous areas.
- Plugs compliant to IEC 60309-1 and IEC 60309-2.
- Wall sockets:
 - 2 x M20 threaded cable entries (1 at the top, 1 at bottom).
 - Supplied with one M20 plug.
 - Connection on 2 x 4 mm² terminals.
 - Earth terminals: internal and external, with 4 mm diameter screws.
- Plugs:
 - 1 M25 cable gland supplied
- Cable gland tightening capacities:
 - 7 to 11 mm (0.28 to 0.43") diameter for the 2P+E plug
 - 11 to 15.5 mm (0.43 to 0.61") diameter for the 3P+E plug
 - 13 to 20 mm (0.51 to 0.79") diameter for the 3P+N+E plug
- Connection on 2.5 mm² maximum terminals.

Standard Materials

- Socket outlet body and socket: painted marine grade aluminum alloy

ATEX/IECEx Certifications and Compliances

- Certification Type: (16 A Plugs and Wall Sockets) UPRD
 - Gas: Zones 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓢ II 2 G
 - Type of Protection: Ex db IIC Gb
 - Temperature class: T6 for Ta ≤ +50 °C (122 °F) and T5 for Ta ≤ +55 °C (131 °F)
 - Dust: Zones 21 and 22
 - Conforming to ATEX 2014/34/EU: Ⓢ II 2 D
 - Type of Protection: Ex tb IIIC Db
 - Surface Temperature: T85 °C/T100 °C (T185 °F/T212 °F)
 - Ambient Temperature: -55 °C to +50 °C/+55 °C (-67 °F to 122 °F/131 °F) (depending on temperature class T)
 - ATEX Certificate: ExVeritas 18 ATEX 0369X
 - IECEx Certificate: IECEx EXV 18.0020X
 - Index of Protection according EN/IEC 60529: IP66
 - Impact resistance (shock): IK10

UKEX Certifications

- UKEX Certificate: ExVeritas 21 UKEX 0791X


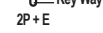

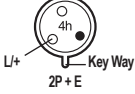

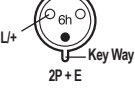

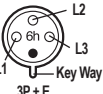

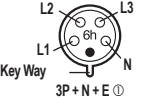
INMETRO Certifications

- INMETRO Certificate: BVC22.4132-X

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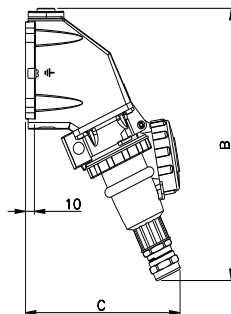
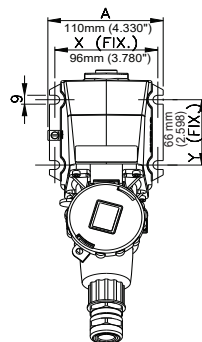
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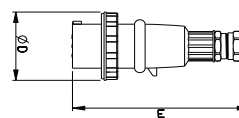
Description	Pin Configuration	Weight kg (lb)	Volume dm ³ (in ³)	Catalog Number
Extra Low Voltage				
20/25 Vac 50/60 Hz — Purple				
Wall Socket		1.9 (4.2)	7.9 (482.0)	UPRD316RP
Plug		0.5 (1.1)	1.6 (97.6)	UPRD316PP
Low Voltage				
100/130 Vac 50/60 Hz — Yellow				
Wall Socket		1.9 (4.2)	7.9 (482.0)	UPRD316RY
Plug		0.5 (1.1)	1.6 (97.6)	UPRD316PY
200/250 Vac 50/60 Hz — Blue				
Wall Socket		1.9 (4.2)	7.9 (482.0)	UPRD316RB
Plug		0.5 (1.1)	1.6 (97.6)	UPRD316PB
380/415 Vac 50/60 Hz — Red				
Wall Socket		2.0 (4.4)	7.9 (482.0)	UPRD416RR
Plug		0.6 (1.3)	1.6 (97.6)	UPRD416PR
Wall Socket		2.0 (4.4)	7.9 (482.0)	UPRD516RR
Plug		0.8 (1.8)	2.3 (140.4)	UPRD516PR

Dimensions in Millimeters (Inches)

Wall Mounting Sockets



Plugs



	Dimensions in Millimeters (Inches)			
	B	C	Ø D	E
2 P + E	276.0 (10.86)	174.0 (6.85)	70.0 (2.75)	166.0 (6.53)
3 P + E	276.0 (10.86)	174.0 (6.85)	78.0 (3.07)	170.0 (6.69)
3 P + N + E	294.0 (11.57)	184.0 (7.24)	88.0 (3.46)	184.0 (7.24)

① 200/346 V – 240/415 Vac 50/60 Hz.