

UPRD Series 16 Amp Plugs and Sockets

Flameproof

16 A ATEX/IECEx:
Zone 1 and 2 - 21 and 22
Gas (G) and Dust (D)

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.

Features

- General 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, length 45 mm.
- 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 diameter for the 2P+E plug
 - 11 to 15.5 mm diameter for the 3P+E plug
 - 13 to 20 mm 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

Certifications and Compliances

- ATEX/IECEx
 - 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 and T5 for Ta ≤ +55 °C
 - 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
 - Ambient Temperature: -55 °C to +50 °C/+55 °C (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
 - UKEX Certificate : ExVeritas 21 UKEX 0791X



16 Amp Plug and Receptacle






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APPLETON™

PLUGS AND RECEPTACLES: ATEX/IECEX FLAMEPROOF

Description	Pin Configuration	Weight kg (lb)	Volume dm³ (in³)	Catalog Number
Extra Low Voltage				
20/25 Vac 50/60 Hz — Purple				
Wall Socket		1.9 (4.2)	7.9 (482.0)	UPRD316RP
Plug	2P + E	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	L/+ 2P + E	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	L/+ 2P + E	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	L1 3P + E	0.6 (1.3)	1.6 (97.6)	UPRD416PR
Wall Socket		2.0 (4.4)	7.9 (482.0)	UPRD516RR
Plug	Key Way 3P + N + E ①	0.8 (1.8)	2.3 (140.4)	UPRD516PR

① 200/346 V – 240/415 Vac 50/60 Hz.

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

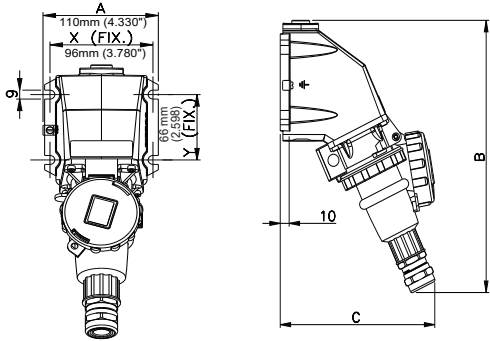
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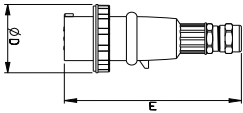
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Dimensions in Millimeters (Inches)

Wall Mounting Sockets



Plugs



	Dimensions in Millimeters (Inches)			
	B	C	Ø D	E
2 P + E	276 (10.86)	174.0 (6.85)	70.0 (2.75)	166.0 (6.53)
3 P + E	276 (10.86)	174.0 (6.85)	78.0 (3.07)	170.0 (6.69)
3 P + N + E	294 (11.57)	184.0 (7.24)	88.0 (3.46)	184.0 (7.24)