ATX™ UPR Series 16 Amp Plugs and Sockets

Increased Safety

ATEX/IECEx:
Zone 1 and 2 - 21 and 22
Ex II 2 GD
IP66 - IK09

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

Features

- Plug and socket system is designed with a mechanical interlock to insure disengagement cannot occur while energized.
- Large ON/OFF actuator on the receptacle gives clear, visible indication of the receptacle status for maximum hazardous location protection.
- Low Voltage receptacle can be locked in 0 (Off) and 1 (On) positions.
- Different voltages are color coded for easy identification.
- The receptacles are keyed to accept UPR plugs of the proper voltage.
- Receptacle explosionproof switch.
- UPR plugs can be used in non-hazardous IEC 60309-2 sockets.
- Operating temperature of -20 °C to +55 °C (-4 °F to +131 °F)

Standard Materials

- Wall Socket: polyamide
- Plug: polyamide

ATEX/IECEx Certifications and Compliances

- Certification Type UPR
  - — Gas: Zones 1 and 2
    - – Conforming to ATEX 94/9/CE: Ex II 2 G
    - – Type of Protection: Ex db eb IIB
    - – Temperature Class: T6 for Ta ≤ +40 °C (+104 °F) and T5 for +55 °C (+131 °F)
  - — Dust: Zones 21 and 22
    - – Conforming to ATEX 94/9/CE: Ex II 2 D
    - – Type of Protection: Ex tb IIIB
    - – Surface Temperature: T79 °C [Ta +40 °C (+104 °F)]; T94 °C [(Ta +55 °C (+131 °F)]
- Ambient Temperature: -20 °C ≤ Ta ≤ +55 °C (-4 °F ≤ Ta ≤ +131 °F)
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK09
- CE Declaration of Conformity: 50311
- ATEX Certificate: LCIE 15 ATEX 3054X
- IECEx Certificate: IECEx LCIE 15.0044X

Wall Mounting Socket

Plug

Technical Data

Breaking Capacity		
AC1	16 Amp	690 Vac
AC3	8 Amp	500 Vac
	4 Amp	690 Vac
	16 Amp	690 Vac
AC15	16 Amp	415 Vac
DC1	10 Amp	24 Vdc
	6 Amp	50 vdc
Short Circuit Withstand (ICC) : 10kA		

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Wall Mounting Socket (LV)

- Two M25 threaded entries on the bottom. Available on top upon request.
- Supplied with one M25 cable gland – Ø 8 to Ø 18.5 mm (0.31 to 0.73 in) and one M25 blanking plug.
- Terminal capacity 2 x 2.5 to 4 mm^2 (#14 to #12 AWG). Can be through-wired up to 4 mm^2 (#12 AWG).
- Fitted with two linked earth terminals.

Plug (LV)

- Integrated cable clamp – Ø 9.2 to Ø 17 mm (0.36 to 0.67 in).
- Terminal capacity 2.5 to 4 mm^2 (#14 to #12 AWG).

LV: Low Voltage

Yellow	Blue	Red	Black
100/130 Vac	200/250 Vac	380/415 Vac	480/500 Vac 600/690 Vac

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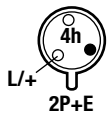
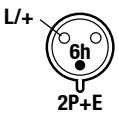
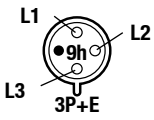
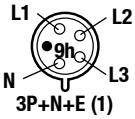
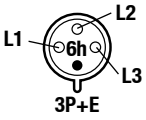
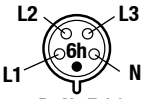
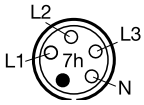
Description	Pin Configuration	Weight kg (lb)	Volume dm³ (in³)	Color	Catalog Number
Low Voltage: LV					
100/130 Vac 50/60 Hz - Yellow					
Wall Socket		1.29 (2.84)	11.30 (689.57)	Yellow	**UPR316RY4**
Plug		0.31 (0.68)	2.40 (146.46)	Yellow	**UPR316PY4**
200/250 Vac 50/60 Hz - Blue					
Wall Socket		1.29 (2.84)	11.30 (689.57)	Blue	**UPR316RB6**
Plug		0.31 (0.68)	2.40 (146.46)	Blue	**UPR316PB6**
Wall Socket		1.39 (3.06)	11.30 (689.57)	Blue	**UPR416RB9**
Plug		0.38 (0.84)	2.40 (146.46)	Blue	**UPR416PB9**
Wall Socket		1.43 (3.15)	11.30 (689.57)	Blue	**UPR516RB9**
Plug	**3P+N+E (1)** *(1) 120/208 V - 144/250 Vac 50/60 Hz*	0.41 (0.90)	2.40 (146.46)	Blue	**UPR516PB9**
380/415 Vac 50/60 Hz - Red					
Wall Socket		1.39 (3.06)	11.30 (689.57)	Red	**UPR416RR6**
Plug		0.38 (0.84)	2.40 (146.46)	Red	**UPR416PR6**
Wall Socket		1.43 (3.15)	11.30 (689.57)	Red	**UPR516RR6**
Plug	**3P+N+E (2)** *(2) 200/346 V - 240/415 Vac 50/60 Hz*	0.41 (0.90)	2.40 (146.46)	Red	**UPR516PR6**
480/500 Vac 50/60 Hz - Black					
Wall Socket		1.39 (3.06)	11.30 (689.57)	Black	**UPR416RN7**
Plug		0.38 (0.84)	2.40 (146.46)	Black	**UPR416PN7**
Wall Socket		1.43 (3.15)	11.30 (689.57)	Black	**UPR516RN7**
Plug	**3P+N+E (3)** *(3) 277/480-288/500 Vac 50/60Hz*	0.41 (0.90)	2.40 (146.46)	Black	**UPR516PN7**

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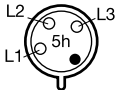
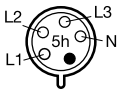
Description	Pin Configuration	Weight kg (lb)	Volume dm³ (in³)	Color	Catalog Number
Low Voltage: LV					
600/690 Vac 50/60 Hz - Black					
Wall Socket	 **3P+E**	1.39 (3.06)	11.30 (689.57)	Black	**UPR416RN5**
Plug		0.38 (0.84)	2.40 (146.46)	Black	**UPR416PN5**
Wall Socket	 **3P+N+E**	1.43 (3.15)	11.30 (689.57)	Black	**UPR516RN5**
Plug		0.41 (0.90)	2.40 (146.46)	Black	**UPR516PN5**

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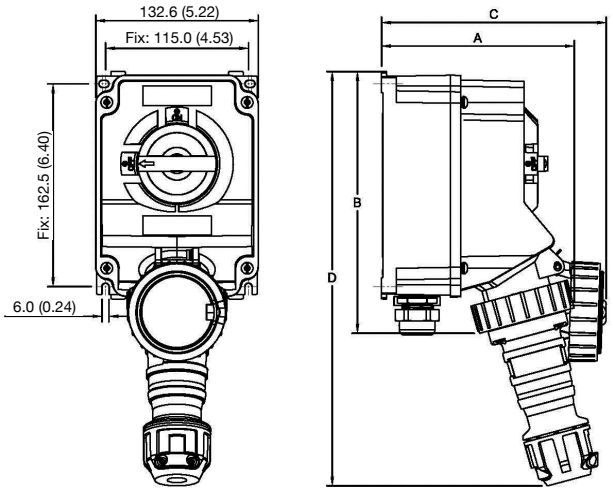
Dimensions in Millimeters (Inches)

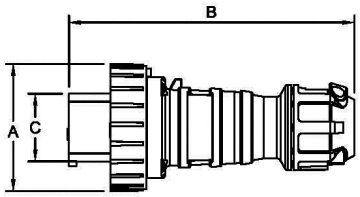
16A — 2P+E — 3P+E —3P+N+E Versions

Wall Mounting Sockets



	Dimensions in Millimeters (Inches)			
	A	B	C	D
2 P + E	157.0 (6.18)	211.0 (8.31)	183.5 (7.22)	335.0 (13.19)
3 P + E	161.0 (6.34)	215.0 (8.47)	193.0 (7.60)	335.0 (13.19)
3 P + N + E	163.0 (6.42)	215.0 (8.47)	193.0 (7.60)	335.0 (13.19)

Plugs



	Dimensions in Millimeters (Inches)		
	A	B	C
2 P + E	81.0 (3.19)	183.0 (7.20)	44.0 (1.73)
3 P + E	89.0 (3.50)	183.0 (7.20)	49.0 (1.93)
3 P + N + E	93.5 (3.68)	183.0 (7.20)	56.0 (2.20)

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