

ATX™ UPR Series 125 Amp Plugs and Sockets

Increased Safety

ATEX/IECEx: Zones 1 and 2 – 21 and 22

Applications

- Plugs and sockets are used with stationary or portable electrically operated devices such as:
 - Welding devices
 - Lighting systems
 - Conveyors
 - Heaters
 - Motor generator sets
 - Air conditioning
 - Compressors
 - Pumps
- For use in corrosive atmospheres and installations in Zones 1 and 2 – 21 and 22 of oil and gas industry, such as:
 - Refineries
 - Chemical and petrochemical plants
 - Pipelines
 - Onshore and offshore drilling platforms
 - LNG Trains
 - Gas Compressor Stations

Features

- Positive polarization: only ATX plugs of same style, number of poles and ampere rating may be used with these sockets.
- Interlocked 3-pole or 4-pole Ex de disconnecting on-load switch, with auxiliary contact – max 2.5 mm² capacity.
- Plug is mechanically locked in socket when switch is ON.
- Switch operating handle can be padlocked in OFF position (max 4 padlocks).
- Plug cannot be inserted or removed unless switch is in OFF position.

Standard Materials

- Socket: 316L stainless steel
- Plug: polyamide
- Ring on the plug: aluminium painted in grey

ATEX/IECEx Certifications and Compliances

- Certification Type: UPR125
 - Gas: Zones 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓔ II 2 G
 - Type of Protection: Ex db eb IIC Gb
 - Temperature class: T6 for Ta ≤ +40 °C (+104 °F) and T5 for ≤ +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: T55 °C/T70 °C (T131 °F/T158 °F)
 - Ambient Temperature: 30 °C to +40 °C/+55 °C (-22 °F to +104 °F/+131 °C) (depending on temperature class T)
 - Index of Protection according EN/IEC 60529: IP66
 - Impact Resistance (shock): IK10
 - ATEX Certificate: INERIS 20 ATEX 0055X
 - IECEx Certificate: IECEx INE 20.0061X

UKEX Certification

- UKEX Certificate: CML 21 UKEX 1150X

INMETRO Certification

- INMETRO Certificate: BVC22.4131-X



125 Amp Plug and Wall Mounting Socket

Technical Data

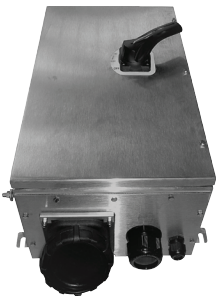
Main Contacts		
Rated Insulation Voltage	690 Vac	
Rated Operating Voltage	690 Vac	
Rated Operating Current	125 Amp	
Rated Surge Voltage	8 KV	
Switching Capacity		
AC 21 A/AC 22 A	125 Amp	400 Volt to 690 Volt
	80 kW	400 Volt
AC 23 A	110 kW	500 Volt
	55 kW	690 Volt
AC 3	90 kW	400 Volt
	70 kW	500 Volt
DC 21	125 Amp	220 Volt ①
	125 Amp	440 Volt ①
DC 22	125 Amp	220 Volt ①
	100 Amp	440 Volt ①
DC 23	125 Amp	220 Volt ①
	63 Amp	440 Volt ①
Auxiliary Contacts		
Rated Insulation Voltage	230 Volt	
Rated Operating Voltage	230 Volt	
Rated Operating Current	10 Amp	
Switching Capacity: AC 15	6 Amp	230 Volt
Others		
Termination (flexible/solid)	120 mm ² (250 MCM)	

① 2 contacts connected in series per pole.

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Wall Mounting Socket



Plug

- One M63 cable gland for unarmored cable – Ø 28 to Ø 48 mm (1.10 to 1.89 in) and one M25 blanking plug.
 - Terminal capacity 120 mm².
- One integrated cable entry for unarmored flexible cable – Ø 30 to Ø 48 mm (1.10 to 1.89 in).
 - Terminals capacity 50 mm².

Catalog Numbering Guide — ATEX/IECEX Internationally Certified Plugs and Receptacles

UPR	2	16	R	B	A	3	I
Series: UPR - UPR Series Zone 1, 2, 21 and 22 ATEX/IECEX	Pin Configuration: 4 - 3P+E 5 - 3P+N+E	Amps: 12 - 125A	Equipment: P - Plug R - Receptacle (Wall Mounting)	Voltage: R - 380 - 415 Vac 50/60 Hz R1 - 440 - 460 Vac 50/60 Hz N - 480 - 500 Vac 50/60 Hz N1 - 600 - 690 Vac 50/60 Hz	Cable Type: A - Armored U - Unarmored	Cable Entry Size: ① 3 - M32 4 - M40 5 - M50 6 - M63	Options: T - Through-wired

LV: Low Voltage

Red (R)	Red (R1)	Black (N)	Black (N1)
380/415 Vac	440/460 Vac	480/500 Vac	600/690 Vac

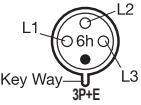
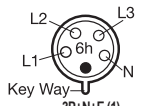
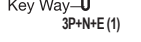
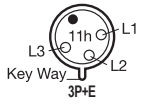
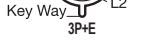
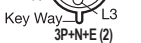
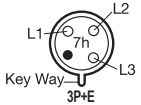
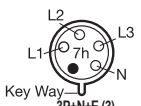
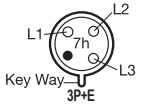
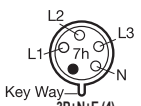
① With one M25 plugged entry.

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Plugs and Receptacles

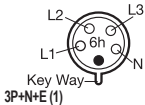
Equipment	Pin Configuration	Weight kg (lb)	Volume dm³ (in³)	Catalog Number
380/415 Vac 50/60 Hz — Red				
Wall Socket		40 (88.2)	27.0 (1647.64)	UPR412RRU6
Plug		3 (6.6)	24.2 (1476.78)	UPR412PR
Wall Socket		40 (88.2)	27.0 (1647.64)	UPR512RRU6
Plug		3 (6.6)	24.2 (1476.78)	UPR512PR
(1) 200/346 V – 240/415 Vac 50/60 Hz				
440/460 Vac 60 Hz — Red				
Wall Socket		40 (88.2)	27.0 (1647.64)	UPR412RR1U6
Plug		3 (6.6)	24.2 (1476.78)	UPR412PR1
Wall Socket		40 (88.2)	27.0 (1647.64)	UPR512RR1U6
Plug		3 (6.6)	24.2 (1476.78)	UPR512PR1
(2) 250/440 V – 265/460 Vac 60 Hz				
480/500 Vac 50/60 Hz — Black				
Wall Socket		40 (88.2)	27.0 (1647.64)	UPR412RNU6
Plug		3 (6.6)	24.2 (1476.78)	UPR412PN
Wall Socket		40 (88.2)	27.0 (1647.64)	UPR512RNU6
Plug		3 (6.6)	24.2 (1476.78)	UPR512PN
(3) 277/480 V – 288/500 Vac 50/60 Hz				
600/690 Vac 50/60 Hz — Black				
Wall Socket		40 (88.2)	27.0 (1647.64)	UPR412RN1U6
Plug		3 (6.6)	24.2 (1476.78)	UPR412PN1
Wall Socket		40 (88.2)	27.0 (1647.64)	UPR512RN1U6
Plug		3 (6.6)	24.2 (1476.78)	UPR512PN1
(4) 347/480 V – 400/690 Vac 50/60 Hz				

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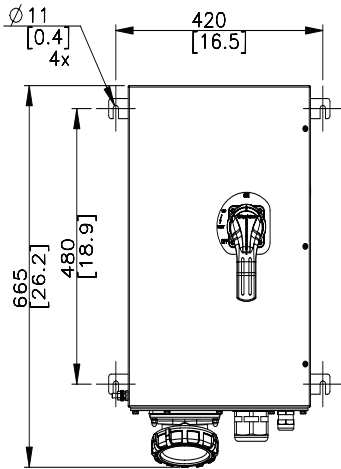
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Through-wired Versions

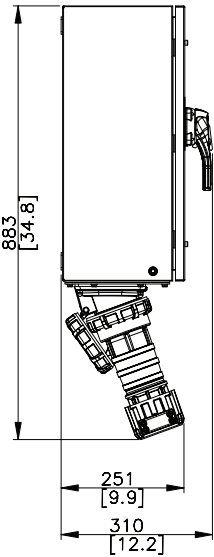
Equipment	Pin Configuration	Weight kg (lb)	Volume dm³ (in³)	Catalog Number
380/415 Vac 50/60 Hz — Red				
Wall Socket		16.0 (35.3)	110.0 (433.1)	UPR412RRU5T
Wall Socket		16.0 (35.3)	110.0 (433.1)	UPR512RRU5T
(1) 200/346 V – 240/415 Vac 50/60 Hz				

Dimensions in Millimeters (Inches)

Front



Side



Plug

