

SPeX

Hazardous Location
single pole plug and receptacle



Main Advantages

- ▶ Mechanical keying system prevents intermating of phases
- ▶ Reliable mechanical and Electrical interlocking
- ▶ Automatic IP65/IP66 when plug is mated



- ▶ Features & Ratings p. 243
- ▶ SPeX p. 244
- ▶ Dimensions p. 245

PRODUCT FEATURES



Hazardous location rating is based on mandatory use of pilot circuit to make and break load on phase contacts.



Operating Instructions



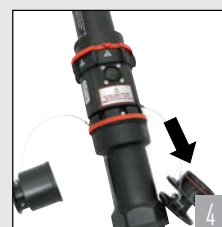
To connect, insert the plug into the receptacle until a click is heard. Rotation of the plug in either direction engages a locking finger, which prevents further rotation.



To close the pilot circuit and mechanically lock the plug into the receptacle, turn the ring on the receptacle until the "1" lines up with the arrow. This turns the power on.



To disconnect, open the pilot circuit and unlock the plug by turning the ring until the "0" is aligned with the arrow. The power is now off.



Press firmly on the latch release button and simultaneously pull on the inlet. A slight rotation of the plug may also be required.

Hazardous Location Listings (CSA or ATEX)

CSA	ATEX
Class I, Division 2, Group ABCD	Ⓔ II 2 G D Ex e IIC T* Gb Ex tIIIC T* Db IP65/IP66
Class II, Division 1 Groups EFG; Class III, Division 1	Suitable for Zone 1 & 2 (gas) 21 & 22 (dust)
Ex e IIC; Ex tb IIIC T56°C or T76°C: IP66 (For Canada)	-20°C ≤ Ta ≤ 40°C T5 T56°C
Class I, Zone 1, AEx e IIC T5 or T6	-20°C ≤ Ta ≤ 60°C T5 T76°C
AEx tb IIIC T56°C or T76°C	-20°C ≤ Ta ≤ 40°C T6 T56°C
IP65/IP66 (For US)	-20°C ≤ Ta ≤ +60°C T4 T79°C

Amperage Ratings by Cable Size and ATEX Rating

	-20°C ≤ Ta ≤ 40°C G/D T5/T56°C	-20°C ≤ Ta ≤ 40°C G/D T6/T56°C	-20°C ≤ Ta ≤ 60°C G/D T5/T76°C
70mm ²	290A	235A	235A
95mm ²	415A	335A	335A
120mm ²	456A	376A	376A
150mm ²	493A	415A	415A
185mm ²	530A	450A	450A
240mm ²	570A	497A	497A
300mm ²	620A	540A	540A
400mm ²	680A	600A	600A

SPeX Hazardous Location Plugs & Receptacles

Devices rated for hazardous locations are not returnable.

cCSAus Ratings

- **Voltage**
600 VAC
- **Amperage Ratings**
600A
- **Environmental Ratings**
IP65/IP66
- **Temperature Range**
See table page 225
- **Wiring Capacity**
Min 2/0 AWG Max 750 MCM
Aux Contacts 12-14 AWG
See table page 225
- **Applicable Standards**
CSA C22.2 No. 182.1,
CSA 213-M1987, CSA 25-1966

Plug
(Male inlet w/handle)



Receptacle on angle
(Female)



North American cCSAus Configurations

Color Code	Polarity	Part # without Lug (by cable diameter)				Part # without Lug
		.70 - .98"	.94 - 1.33"	1.33 - 1.65"	1.57 - 1.89"	
	L1	42-41001-32P	42-41001-40P	42-41001-50P	42-41001-63P	42-47001
	L2	42-41002-32P	42-41002-40P	42-41002-50P	42-41002-63P	42-47002
	L3	42-41003-32P	42-41003-40P	42-41003-50P	42-41003-63P	42-47003
	NEUTRAL	42-4100N-32P	42-4100N-40P	42-4100N-50P	42-4100N-63P	42-4700N
	GROUND	42-4100T-32P	42-4100T-40P	42-4100T-50P	42-4100T-63P	42-4700T
	POSITIVE	42-4100P-32P	42-4100P-40P	42-4100P-50P	42-4100P-63P	42-4700P
	NEGATIVE	42-4100M-32P	42-4100M-40P	42-4100M-50P	42-4100M-63P	42-4700M

IEC/CE Ratings

- **Voltage**
1000 VAC
- **Amperage Ratings**
See table page 225
- **Environmental Ratings**
IP65/IP66
- **Temperature Range**
See table page 225
- **Wiring Capacity**
Min 2/0 AWG Max 750 MCM
Aux Contacts 12-14 AWG
See table page 225
- **Applicable Standards**
ATEX, IECEx

Plug
(Male inlet w/handle)



Receptacle on angle
(Female)




IEC/CE Configurations

Color Code	Polarity	Part # without Lug (by cable diameter)				Part # without Lug
		.70 - .98"	.94 - 1.33"	1.33 - 1.65"	1.57 - 1.89"	
	L1	46-41001-32P	46-41001-40P	46-41001-50P	46-41001-63P	46-47001
	L2	46-41002-32P	46-41002-40P	46-41002-50P	46-41002-63P	46-47002
	L3	46-41003-32P	46-41003-40P	46-41003-50P	46-41003-63P	46-47003
	NEUTRAL	46-4100N-32P	46-4100N-40P	46-4100N-50P	46-4100N-63P	46-4700N
	GROUND	46-4100T-32P	46-4100T-40P	46-4100T-50P	46-4100T-63P	46-4700T
	POSITIVE	46-4100P-32P	46-4100P-40P	46-4100P-50P	46-4100P-63P	46-4700P
	NEGATIVE	46-4100M-32P	46-4100M-40P	46-4100M-50P	46-4100M-63P	46-4700M


INSTALLATION ACCESSORIES

Accessories rated for hazardous locations are not returnable.

HANDLES

CRIMPING LUG – Straight w/terminal	Flexible MCM+ Wire Size	Part #
 (Bolt Included)	1	45-4A50C
	2/0	45-4A70C
	3/0	45-4A95C
	250	45-4A12C
	300	45-4A15C
	350	45-4A18C
	450	45-4A24C
	600	45-4A30C
	777	45-4A40C

+ Based on flexible type copper cables. See appropriate NEC tables for applicable ampacities.

CRIMPING LUG – Straight Threaded	Flexible MCM+ Wire Size	Part #
	1	45-4A50D
	2/0	45-4A70D
	3/0	45-4A95D
	250	45-4A12D
	300	45-4A15D
	350	45-4A18D
	450	45-4A24D
	600	45-4A30D
	777	45-4A40D

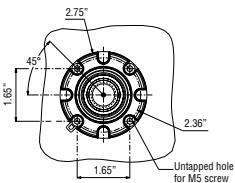
* Use the straight threaded lug when cord mounting with handle accessory.

** Conductor sizes are approximations based on metric wire size conversions.

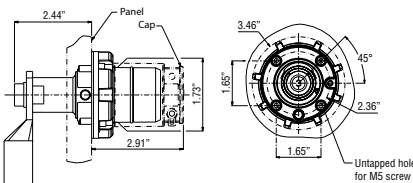
Dimensions Inlet/Receptacle – Provided in inches

Dimensions are for reference only and may change depending on accessories used. For precise dimensions contact MELTRIC Engineering.

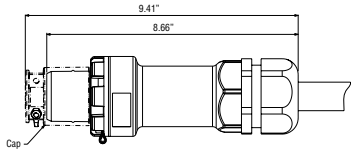
inlet



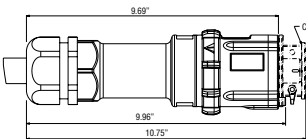
receptacle



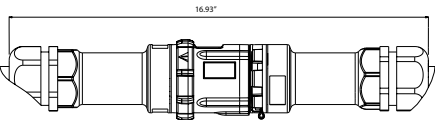
plug



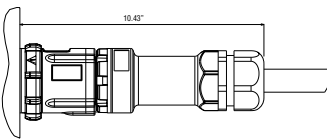
connector



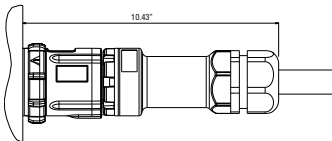
plug/connector



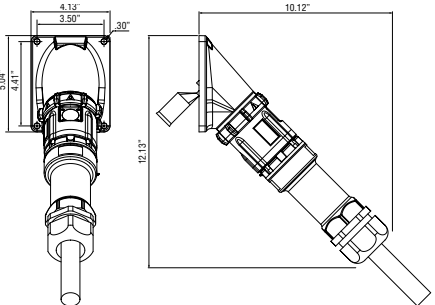
plug with connector on/off



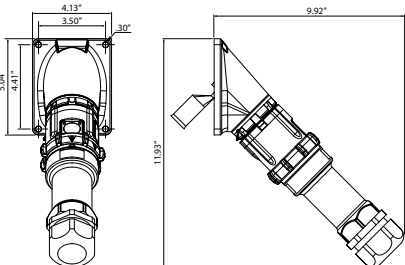
connector with plug on/off



45° inclined receptacle/angle with plug



45° inclined inlet/angle with connector



HAZARDOUS
LOCATION