

Installation instructions - IEC 309 Flange Mount Inlets and Outlets 16/20A & 30/32A IP44 and IP67

Warning: Make sure that power is OFF before beginning to wire these devices!

1. Ensure that the rating on the device is correct for the installation. Both the amperage and voltage ratings must be correct.
2. Make sure that the wire being used with these devices is of correct ampacity and temperature rating for the application. See TABLE for recommended wire sizes.
3. There are many flange sizes available and this guide only covers the standard. Ensure that you confirm the cut out required before cutting.
4. Cut the correct hole size into the panel. Test fit the device
5. While holding the device in the hole and in the correct orientation mark the four corner holes for the mounting screws.
5. Remove the device and drill the four mounting holes.
6. Install the device with the gasket provided using the correct fastener for the material.
7. Open the panel to access the terminal side of the device. Insert the conductors into the correct terminals on the device. The terminals are labeled on the housing.
8. Tighten down terminal screws to the torque specified (see TABLE).

IMPORTANT:

Please read before installation of this device:

This pin and sleeve device conforms to International Electrotechnical Commission (IEC) standards IEC 60309-1 and IEC 60309-2. The arrangement of the pins, sleeves and keyways of this device is such that the device cannot be mated with an IEC device of a different voltage, current or system rating.

There are pin and sleeve devices that are not manufactured to IEC standards and are made to standards established by individual companies. It is therefore possible that a non-IEC device can be improperly mated with an IEC device of a different voltage, current or system rating.

To insure safety in the use of pin and sleeve devices, **DO NOT USE NON-IEC DEVICES** in the same premises as IEC devices, unless it has been determined beforehand that no mating is possible which can create an electrical situation which is hazardous to life, limb or property.

TABLE

Device Rating		16A / 20A	30A / 32A
Conductor Strip Length	mm	10-12	12-14
	inches	0.4-0.5	05.-0.6
Terminal Torque	Ncm	100	110
	in.-lbs.	8.85	9.7
Wire Gauge AWG	Max.	12	10
	Min.	14	12
Cut Out Diameter in mm	3 Pole	43	55
	4 Pole	45	55
	5 Pole	55	58
Fixing Hole centers in mm	IP44	56 x 56	56 x 56
	IP67	60 x 60	60 x 60

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