Installation instructions -IEC 309 Plugs and Connectors 60/63 & 100 Amp IP44 and IP67

Warning

Make sure that power is OFF before wiring these devices!
These devices are not designed for interrupting current!

1. Ensure that the rating on the device is correct for the installation.
2. Make sure that the cable being used is **copper only** and is of the correct ampacity and temperature rating for the application.
3. Cut the cable clean. Do not strip jacket or insulation yet.
4. Separate the two halves of the device by loosening the joining screws. Do not remove the screws, they are captive and will not come out of the body.
5. The outside diameter of the cable must be within the correct range (see TABLE)
6. Slide body of the device up the cable far enough to allow cable stripping.
7. Strip the jacket and conductors to the correct length (see TABLE)
8. Insert the stripped conductors into the correct terminals on the device. The terminals are labeled.
9. Tighten the terminal set screws to the correct torque. (see TABLE)
10. Re-assemble the device body, making certain that the keyway is properly aligned. Ensure the locking ring turns freely.
11. Tighten the body screws (see TABLE).
12. Tighten cable clamp to correct torque, making sure to keep cable straight. (see TABLE)
13. Tighten the locking screw on the cable clamp to ensure the clamp does not loosen

IMPORTANT:
Please read before installing this device:

Use copper wire only

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

Pin and sleeve devices are not all manufactured to IEC standards. Some devices 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. You must ensure that you are mating to the proper device.

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.

Please call for more information:
1-800-800-4606, or visit our web site at**:**
www.globetron.com

TABLE

Device Rating	60 Ampere	63 Ampere	100 Ampere	125 Ampere
Min. Wire Size	10 AWG / 6mm2	10 AWG / 6mm2	6 AWG / 16mm2	6 AWG / 16mm2
Max. Wire Size	6 AWG / 16mm2	6 AWG / 16mm2	2 AWG / 50mm2	2 AWG / 50mm2
Wire strip length	0.71" / 18mm	0.71" / 18mm	0.8” / 20mm	0.8” / 20mm
Jacket strip max.	4.7" / 120mm	4.7" / 120mm	5.1" / 130mm	5.1" / 130mm
Terminal torque	16in-lbs / 180Ncm	16in-lbs / 180Ncm	35in-lbs / 400Ncm	35in-lbs / 400Ncm
Cable gland torque	9.6 ft-lbs / 13 Nm	9.6 ft-lbs / 13 Nm	10.3 lb-ft / 14Nm	10.3 lb-ft. / 14Nm
Temperature	-25°C to +40°C	-25°C to +40°C	-25°C to +40°C	-25°C to +40°C
Min. Cable O.D.	0.57" / 14.5mm	0.57" / 14.5mm	0.88" / 22.5mm	0.88" / 22.5mm
Max. Cable O.D.	1.4" / 36mm	1.4" / 36mm	1.96" / 50mm	1.96" / 50mm
Body Screw Torque	18in-lbs / 200Ncm	18in-lbs / 200Ncm	18in-lbs / 200Ncm	18in-lbs / 200Ncm