

Installation instructions - IEC 309 Plugs and Connectors 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 cable being used with these connectors is of correct ampacity and temperature rating for the application. See TABLE for recommended wire sizes.
3. Cut the cable clean. Do not strip jacket for installation yet.
4. Separate the rear of the body from the forward contact portion of the device by rotating until the "Open" arrows align. Slide the body on to the cable.
5. Devices are shipped from the factory in an un-locked position. If the device is in the locked position simply insert a screwdriver into the locking tab located at the "Press to open" marking and twist to open.
6. Strip both the jacket and conductors to the lengths recommended in the TABLE
7. 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).
9. Re-attach the rear portion of the body to the front by aligning the arrows to the "Open" position, sliding the halves together and rotating them to the "Close" position.
10. The locking tab will click into place when the halves are rotated to the "Close" position, ensure that the body is locked in the "Close" position
11. Tighten the strain relief connector making sure to keep cable straight. Torque the cable gland to the level on the 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
Jacket Strip Length	mm	50	50
	inches	1.97	1.97
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
Cable Gland Torque	Ncm	400	500
	ft.-lbs.	3	3.7
Wire Gauge AWG	Max.	12	10
	Min.	14	12

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