



NAC3MPXXB

Appliance outlet connector, 3/16" flat tab terminals, grey

The powerCON XX is a locking mains connector. It replaces appliance couplers wherever a very reliable solution in combination with a locking device is needed in order to guarantee a safe power connection.

This connector is suitable to be used as part of fire enclosures according to IEC 62368-1

This appliance coupler fulfils the requirements of the IEC 60320-1 and of the UL 60320-1 with breaking capacity (CBC).

Appliance coupler have superior electrical endurance due to its CBC design according to the IEC 60320-1.

Appliance couplers NAC3MPXXA and NAC3MPXXB are designed to be engaged or disengaged in normal use when live or under load when using with connectors and plug connectors of the FXX Serie(s).

Features & Benefits

- ✓ Lockable single phase connector
- ✓ Certified according to IEC 60320-1 & UL 60320-1
UL US 498 / UL CA 498
- ✓ Certified according to UL-1977, & CAN/CSA-C22.2 No. 182.3
- ✓ Extremely robust and reliable
- ✓ UL94 V-0 materials

- ✓ Drop-in replacement for NAC3MXXB; mates to NAC3FXXB cable connectors
- ✓ 3 contacts for line, neutral and pre-mating safety ground
- ✓ Fast and easy twist lock latching system Power-in (blue) and power-out (grey) versions with different keying to avoid the possibility of intermating
- ✓ Suitable for fire enclosures according to IEC 62368-1

Technical Information

| Product | |
|---------|-----------|
| Title | NAC3MPXXB |
| Gender | male |

| Electrical | |
|-------------------------------|--|
| Contact resistance | $\leq 2 \text{ m}\Omega$ |
| Dielectric strength | 4 kVdc / 2.8 kVac |
| Insulation resistance | $> 1 \text{ G}\Omega$ (after damp heat test IEC 68-2-30) |
| Number of electrical contacts | 2 + PE |
| Rating Europe | EN 60320-1: 16 A 250 V AC |
| Rating USA / Canada | cUL 60320-1: 20 A 127 V AC |
| | UL USA 498: 20 A 250 V AC |
| | UL CA 498: 20 A 250 V AC |
| | UL 1977: 20 A 250 V AC |

| Mechanical | |
|------------|------------------------|
| Lifetime | > 5000 mating cycles |
| Wire size | 2,5 mm ² |
| Wire size | 12 AWG |

| Material | |
|-----------------|--------------------|
| Contact plating | Ag |
| Locking element | Stainless steel |
| Shell | Polyamide (PA 6.6) |
| Contacts | Copper Alloy |

| Environmental | |
|-------------------|------------------|
| Flammability | UL 94 V-0 |
| Temperature range | -30 °C to +80 °C |