

# NAC3MPXXA-WOT

Appliance inlet connector, 3/16" flat tab terminals, blue, without insulation divider for PCB mounting only. If nothing mounting on a PCB choose NAC3MPXXA

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 theUL 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


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- Extremely robust and reliable
- UL94 V-0 materials
- Drop-in replacement for NAC3MXXA-WOT; mates to NAC3FXXA cable connectors
- 3 contacts for line, neutral and premating 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 | NAC3MPXXA-WOT |
| Gender | male |

| Electrical | |
|---|---|
| Contact resistance | ≤ 2 mΩ |
| Dielectric strength | 4 kVdc / 2.8 kVac |
| Insulation resistance | > 1 GΩ (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<br>UL USA 498: 20 A 127 V AC<br>UL CA 498: 20 A 127 V AC |
| | UL 1977: 20 A 250 V AC |


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NEUTRIK

| Mechanical | |
|---|---|
| Lifetime | > 5000 mating cycles |
| Wiresize | 2,5 mm² |
| Wiresize | 12 AWG |

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

| Environmental | |
|---|---|
| Flammability | UL 94 V-0 |
| Protection class | IP 20 |
| Temperature range | -30 °C to + 80 °C |
| Solderability (for PCB) | Complies with IEC 68-2-20 |


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