



## NAC3MPXXA-WOT

This connector is fully compliant to the device standard IEC 62368-1, due to its component certification according to IEC 60320-1.

Appliance inlet connector, 3/16" flat tab terminals, blue, without insulation divider

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.

The powerCON XX is a connector with breaking capacity (CBC), i.e. it can be connected or disconnected under load or live.

### Features & Benefits

- Lockable single phase connector
- 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
- IEC 62368-1 compliant
- Certified according to IEC 60320-1 & UL 60320-1
- Certified according to UL-1977 & CAN/CSA-C22.2 No. 182.3
- Extremely robust and reliable
- UL94 V-0 materials

## Technical Information

| Product       |               |
|---------------|---------------|
| <b>Title</b>  | NAC3MPXXA-WOT |
| <b>Gender</b> | male          |

| Electrical                           |                           |
|--------------------------------------|---------------------------|
| <b>Contact resistance</b>            | ≤ 2 mΩ                    |
| <b>Dielectric strength</b>           | 4 kVdc / 2.8 kVac         |
| <b>Insulation resistance</b>         | > 10 GΩ (initial)         |
| <b>Number of electrical contacts</b> | 2 + PE                    |
| <b>Rating Europe</b>                 | EN 60320-1: 16 A 250 V AC |
|                                      | EN 61984: 20 A 250 V AC   |
| <b>Rating USA</b>                    | UL 60320-1:20 A 127 V AC  |
|                                      | UL 1977: 20 A 250 V AC    |

| Mechanical      |                      |
|-----------------|----------------------|
| <b>Lifetime</b> | > 5000 mating cycles |
| <b>Wiresize</b> | 2,5 mm <sup>2</sup>  |
| <b>Wiresize</b> | 12 AWG               |

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

| Environmental            |                   |
|--------------------------|-------------------|
| <b>Flammability</b>      | UL 94 V-0         |
| <b>Protection class</b>  | IP 20             |
| <b>Temperature range</b> | -30 °C to + 80 °C |

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