



## NAC3MX-W-TOP

### PHASE OUT

direct replacement / successor: NAC3M-TRUE1-S

The powerCON TRUE1 TOP is a locking true mains connector. It replaces appliance couplers wherever a very rugged solution in combination with a locking device is needed in order to guarantee a safe power connection.

Keyed for Power OUT, screw terminals, IP65, up to 16 A (USA: 20A)

The powerCON TRUE1 TOP is a single-phase connector with breaking capacity (CBC).

## Features & Benefits

- ✓ IEC EN 60320-1, UL 60320-1 and C22.2 No. 60320-1:19 certified, thus accepted as a component for cord sets acc. to IEC 60799 / UL817 and equipment acc. to IEC 62368-1
- ✓ Unique NEUTRIK locking bushing and strain relief for cable diameters 6 mm to 12 mm (0.23 – 0.47 inches)
- ✓ Heavy duty sealed power connector for harsh and demanding environment
- ✓ Uses high impact UV-resistant materials
- ✓ Extremely robust and reliable cable retention
- ✓ Lockable, single phase connector with Circuit Breaking Capability (16A resp. 20 A 250 VAC)
- ✓ Superior NEUTRIK quality standard

## Technical Information

| Product          |                   |
|------------------|-------------------|
| Title            | NAC3MX-W-TOP      |
| Connector series | powerCON TRUE1TOP |

| Electrical                    |                                                   |
|-------------------------------|---------------------------------------------------|
| Contact resistance            | $\leq 2\text{ m}\Omega$                           |
| Dielectric strength           | 4 kVdc / 2.8 kVac                                 |
| Insulation resistance         | 0,1 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                    | UL 60320-1 & C22.2 No. 60320-1:19: 20 A 250 V AC  |

| Mechanical |                                |
|------------|--------------------------------|
| Cable O.D. | 6 - 12 mm (0.23 – 0.47 inches) |
| Lifetime   | > 5000 mating cycles           |
| Wiresize   | 1.0 - 2.5 mm <sup>2</sup>      |
| Wiresize   | 12 AWG                         |

| Material        |                            |
|-----------------|----------------------------|
| Contact plating | 2 µm Ag                    |
| Contacts        | CuNi1Si0.2                 |
| Insert          | Polyamide (PA 6.6 30 % GR) |
| Locking element | ZuAl4Cu1                   |
| Shell           | Polyamide (PA 6.6 30 % GR) |
| Strain relief   | Polyacetal (POM)           |

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