



NAC3FX-W

Discontinued Please see successor [powerCON TRUE1 TOP](#) series. Connectors of both series are fully compatible.

Locking female cable connector, screw terminals

The powerCON TRUE1 is a locking waterproof 16 A 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.

The powerCON TRUE1 is a connector with breaking capacity (CBC), i.e. it can be connected or disconnected under load or live.

Features & Benefits

- ✓ True mains connector with breaking capacity (CBC)
- ✓ Lockable 16 A single phase connector (USA: 20 A)
- ✓ Dust and water resistant according to IP65 in mated condition
- ✓ Easy and reliable twist lock system
- ✓ Extremely robust and reliable
- ✓ Unique Neutrik cable retention
- ✓ ENEC certified according to IEC 60320
- ✓ UL recognized components

Technical Information

Product

| | |
|-------|----------|
| Title | NAC3FX-W |
|-------|----------|

Electrical

| | |
|-------------------------------|-----------------------------------------------------|
| Contact resistance | $\leq 3 \text{ m}\Omega$ |
| Dielectric strength | 4 kVdc / 2.8 kVac |
| Insulation resistance | > 0,1 G Ω (after damp heat test IEC 68-2-30) |
| Number of electrical contacts | 2 + PE |
| Rated current per contact | 16 A rms (USA: 20 A) |
| Rated voltage | 250 V ac |

Mechanical

| | |
|------------|---------------------------|
| Cable O.D. | 6 - 12 mm |
| Lifetime | > 5000 mating cycles |
| Wiresize | 1.0 - 2.5 mm ² |
| Wiresize | 12 AWG |

Material

| | |
|-----------------|----------------------------|
| Contact plating | 2 μm Ag |
| Contacts | Bronze (CuSn0.2) |
| 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 |
| Protection class | IP 65 (mated) |
| Temperature range | -30 °C to +80 °C |