



NAC3FCA-1

* Phase out *

Successor products: [NAC3FXXA-W-S](#) (cable OD 6-12 mm) and [NAC3FXXA-W-L](#) (cable OD 10-16 mm)

Lockable cable connector, power-in, screw terminals, blue, V-0 Insert

The powerCON is a locking 3 conductor equipment AC connector with contacts for line, neutral and pre-mating ground contact. 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.

Features & Benefits

- ✓ Power-in (blue) and power-out (grey) versions with different keying to avoid the possibility of intermating
- ✓ Fast and easy twist lock latching system
- ✓ Extremely robust and reliable
- ✓ Ergonomic design
- ✓ Unique Neutrik chuck type strain relief
- ✓ Improved kink protection by two-component bushing
- ✓ UL, cUL recognized components
VDE certified
- ✓ V-0 Flammability rated insert
- ✓ Circuit Breaking Capability (IEC 61984) when mated with powerCON XX Series Receptacles

Technical Information

Product

Title	NAC3FCA
Gender	female

Electrical

Contact resistance	$\leq 3 \text{ m}\Omega$
Dielectric strength	4 kVdc / 2.8 kVac
Insulation resistance	$> 0.1 \text{ G}\Omega$ (after damp heat test IEC 68-2-30)
Number of electrical contacts	2 + PE
Rating Europe	EN 61984:20 A 250 V AC
Rating USA	UL 1977:20 A 250 V AC

Mechanical

Cable O.D.	6 - 15 mm (1)
Lifetime	> 1000 mating cycles
Wiresize	2,5 mm ²
Wiresize	12 AWG
Locking device	Quick Lock
(1)	Cable O.D. range limited to 6 mm - 14 mm acc. VDE

Material	
Contact plating	4 µm Ag
Contacts	Bronze (CuSn6)
Insert	Polyamide (PA 6 30 % GR)
Locking element	Zinc diecast (ZnAl4Cu1)
Shell	Polyamide (PA 6 30 % GR)
Strain relief	Polyacetal (POM)

Environmental	
Temperature range	-30 °C to +80 °C