

NAC3FCA

Lockable cable connector, power-in, screw terminals, blue

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.

Attention: The powerCON is a connector without breaking capacity, i.e. the powerCON should not be connected or disconnected under load or live!

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
- New bushing design avoids unintended opening
- UL, cUL recognized components
VDE certified
SEV approved
- Branded with unique hologram - guarantees genuine and authentic Neutrik product



Image gallery



Technical Information

Product

Title	NAC3FCA
Gender	female

Electrical

Contact resistance	$\leq 3 \text{ m}\Omega$ (inner)
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
Rated current per contact	20 A rms
Rated voltage	250 V ac

Mechanical

Cable O.D.	6 - 15 mm (1)
Lifetime	> 1000 mating cycles
Wiresize	2,5 mm ²
Wiresize	14 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

Product specific

Coding A-type for power inlet (color coding blue)