



Product Data Sheet

Neutrik NAC3FXXA-W-S powerCON 16A
Power-In Cable Connector

Description



IEC EN 60320-1 compliant | Accepted for cord sets as per IEC EN 60799:2021.

Locking AC mains cable connector, keyed and colour coded (blue) for power-in, screw terminal assembly, for cable diameters 6 - 12 mm.

The powerCON FXXA/FXXB is a single phase (3 conductors) lockable power connector with Circuit Breaking Capability when mated with powerCON XX Series receptacles.

It replaces appliance couplers wherever a very rugged solution in combination with a locking device is needed to guarantee a safe power connection.

Product	SKU
NEUTRIK NAC3FXXA-W-S POWERCON 16A POWER-IN CABLE CONNECTOR	105131

Key Benefits

- IEC EN 60320-1 / UL 60320-1 / CSA C22.2 No. 60320-1 certified, thus accepted as a component for cord sets acc. to IEC 60799 / UL 817 and equipment acc. to IEC 62368-1
- Ergonomic design with slip-proof two-component moulded housing
- Power-in (blue) and power-out (grey) versions with different keying to avoid the possibility of intermating
- Unique NEUTRIK locking bushing and strain relief for cable diameters 6 mm to 12 mm
- Easy to assemble because the strain relief locks with the insert mechanically and aligns with the housing
- Superior NEUTRIK quality standard, extremely robust and reliable
- Easy and reliable twist lock system
- Improved kink protection by two-component bushing



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Technical Specification

Neutrik NAC3FXXA-W-S powerCON Specification

Connector series: powerCON blue/grey	Termination: Screw type terminals
Electrical	Material
Contact resistance: $\leq 2 \text{ m}\Omega$	Contact plating: Ag
Dielectric strength: $> 3 \text{ kVac}$ (after mating cycles)	Contacts: Copper Alloy
Insulation resistance: $> 10 \text{ G}\Omega$ (initially)	Insert: Polyamide (PA6.6)
Number of electrical contacts: 2 + PE	Locking element: Zinc diecast
Rating Europe: EN 60320-1: 16 A 250 V AC, CBC	Shell: Polyamide (PA6) / TPE
Rating USA / Canada: cUL 60320-1: 20 A 127 V AC, CBC	Strain relief: Polyketone
Mechanical	Bushing: Polypropylene / TPE
Cable O.D.: 6 - 12 mm	Environmental
Lifetime: Typically 5'000 mating cycles	Temperature range: -33 °C to +80 °C
Wiresize (mm²): 1.5 – 2.5 mm ²	Protection class: IP20
Wiresize (AWG): 16 – 12 AWG	Flammability acc. to UL94: V-0
Locking device: Twist lock	