

NAC3FXXA-W-S

POWERCON POWER-IN FEMALE CONNECTOR FOR CABLE DIAMETERS 6 - 12 MM (BLUE)

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

NAC3FXXA-W-S

Locking AC mains cable connector, keyed and color coded
(blue) for power-in, screw terminal assembly, **for cable
diameters 10 - 16 mm.**

The powerCON FXXA/FXXB is a single phase (3 conductor)
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.

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PRODUCT DETAILS

KEY FEATURES

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 UL US 498 / UL CA 498

Ergonomic design with slip-proof two-component molded 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

SPECIFICATIONS

Connector series	powerCON blue/grey
Contact resistance	? 2 m?
Dielectric strength	> 3 kVac (after mating cycles)
Insulation resistance	> 10 G? (initially)
Number of electrical contacts	2 + PE
Rating Europe	EN 60320-1: 16 A 250 V AC, CBC
Rating USA / Canada	cUL 60320-1: 20 A 127 V AC; UL USA 498: 20 A 127 V AC; UL CA 498: 20 A 127 V AC
Cable O.D.	6 – 12 mm

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Lifetime	Typically 5.000 mating cycles
Wiresize (mm ²)	1.5 – 2.5 mm ²
Wiresize (AWG)	16 – 12 AWG
Locking device	Twist lock
Termination	Screw type terminals
Contact plating	Ag
Contacts	Copper Alloy
Insert	Polyamide (PA6.6)
Locking element	Zinc diecast
Shell	Polyamide (PA6) / TPE
Strain relief	Polyketone
Bushing	Polypropylene / TPE
Temperature range	-33 °C to +80 °C
Protection class	IP20
Flammability acc. to UL94: V-0	