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

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.

NAC3FXXA-W-S

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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 di?erent 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 (mm²)	1.5 – 2.5 mm²
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	

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