



## NAC3FXXA-W-L

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.



## Features & 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 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 10 mm to 16 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

## Assembly instruction video for powerCON FXXA/FXXB

## Cable list

Cable: IEC/EN 60320-1		3 x 1.5 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>			
■ H07RN-F		-S	-L			
■ H05RN-F		-S	-			
■ H05VV-F		-S	-S			

  

Cable: UL 60320-1, CAN/CSA-C22.2 No. 60320-1		16/3 AWG	14/3 AWG	12/3 AWG		
■ SOOW		-S	-L	-L		
■ SJOOW		-S	-S	-L		
■ SJTOOW		-S	-S	-S		

## Technical Information

Product	
<b>Title</b>	NAC3FXXA-W-L
<b>Connector series</b>	powerCON blue/grey

Electrical	
<b>Contact resistance</b>	≤ 2 mΩ
<b>Dielectric strength</b>	> 3 kVac (after mating cycles)
<b>Insulation resistance</b>	> 10 GΩ (initially)
<b>Number of electrical contacts</b>	2 + PE
<b>Rating Europe</b>	EN 60320-1: 16 A 250 V AC, CBC
<b>Rating USA / Canada</b>	cUL 60320-1: 20 A 127 V AC, CBC

Mechanical	
<b>Cable O.D.</b>	10 – 16 mm
<b>Lifetime</b>	Typically 5'000 mating cycles
<b>Wiresize (mm<sup>2</sup>)</b>	1.5 – 2.5 mm <sup>2</sup>
<b>Wiresize (AWG)</b>	14 – 12 AWG
<b>Locking device</b>	Twist lock
<b>Termination</b>	Screw type terminals

Material	
Contact plating	Ag
Contacts	Copper Alloy
Insert	Polyamide (PA6.6)
Locking element	Zinc diecast
Shell	Polyamide (PA6) / TPE
Strain relief	Polyketone
Bushing	Polypropylene / TPE

Environmental	
Temperature range	-33 °C to +80 °C
Protection class	IP20
Flammability acc. to UL94	V-0