



## NAC3FXXB-W-S

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

Locking AC mains cable connector, keyed and color coded (grey) for power-out, screw terminal assembly, for cable diameters 6 - 12 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 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

## Assembly instruction video for powerCON FXXA/FXXB

<iframe width="560" height="315" src="https://www.youtube-nocookie.com/embed/97\_pjfWomIE" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture; web-share" allowfullscreen></iframe>

## 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>	NAC3FXXB-W-S
<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>	6 - 12 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>	16 – 12 AWG, see above cable list
<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