#### NEUTRIK



# 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 Ergonomic design with slip-proof two-C22.2 No. 60320-1 certified, thus component molded housing accepted as a component for cord sets acc. to IEC 60799 / UL 817 and equipment acc. to IEC 62368-1 Power-in (blue) and power-out (grey) Unique NEUTRIK locking bushing and • versions with different keying to avoid the strain relief for cable diameters 10 mm to 16 mm possibility of intermating Easy to assemble because the strain relief Superior NEUTRIK quality standard, • locks with the insert mechanically and extremely robust and reliable aligns with the housing Easy and reliable twist lock system Improved kink protection by two-• component bushing

## Assembly instruction video for powerCON FXXA/FXXB

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## 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/CS	SA-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	
Title	NAC3FXXA-W-L
Connector series	powerCON blue/grey

Electrical	
Contact resistance	≤ <b>2</b> mΩ
Dielectric strength	> 3 kVac (after mating cycles)
Insulation resistance	> 10 GΩ (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, CBC

Mechanical		
Cable O.D.	10 – 16 mm	
Lifetime	Typically 5'000 mating cycles	
Wiresize (mm²)	1.5 – 2.5 mm²	
Wiresize (AWG)	14 – 12 AWG	
Locking device	Twist lock	
Termination	Screw type terminals	



#### Material

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