



## NAC3MPXXA

This connector is fully compliant to the device standard IEC 62368-1, due to its component certification according to IEC 60320-1.

Appliance inlet connector, 3/16" flat tab terminals, blue

The powerCON XX is a locking mains connector. It replaces appliance couplers wherever a very reliable solution in combination with a locking device is needed in order to guarantee a safe power connection.

The powerCON XX is a connector with breaking capacity (CBC), i.e. it can be connected or disconnected under load or live.

### Features & Benefits

- Lockable single phase connector
- Drop-in replacement for NAC3MPA-1; mates to NAC3FCA cable connectors
- Certified according to IEC 60320-1 & UL 60320-1
- 3 contacts for line, neutral and pre-mating safety ground
- Certified according to UL-1977, & CAN/CSA-C22.2 No. 182.3
- Fast and easy twist lock latching system  
Power-in (blue) and power-out (grey) versions with different keying to avoid the possibility of intermating
- Extremely robust and reliable
- IEC 62368-1 compliant
- UL94 V-0 materials

## Technical Information

Product	
Title	NAC3MPXXA
Gender	male

Electrical	
Contact resistance	$\leq 2 \text{ m}\Omega$
Dielectric strength	4 kVdc / 2.8 kVac
Insulation resistance	$> 10 \text{ G}\Omega$ (initial)
Number of electrical contacts	2 + PE
Rating Europe	EN 60320-1: 16 A 250 V AC
	EN 61984: 20 A 250 V AC
Rating USA	UL 60320-1: 20 A 127 V AC
	UL 1977: 20 A 250 V AC

Mechanical	
Lifetime	$> 5000$ mating cycles
Wiresize	$2,5 \text{ mm}^2$
Wiresize	12 AWG

Material	
Contact plating	Ag
Locking element	Stainless steel
Shell	Polyamide (PA 6.6)
Contacts	Copper Alloy

Environmental	
Flammability	UL 94 V-0
Protection class	IP 20
Temperature range	-30 °C to +80 °C