

NAC3FX-W-TOP-L

NEW: Locking female cable connector for big power cord diameters 10–16 mm (0.39–0.63 inches) such as H07RN-F3G2.5 or SOOW 12/3 / SOOW 14/3. Certified to EN/UL 60320-1.

Power out, screw terminals, IP65, up to 16 A (USA: 20A)

The powerCON TRUE1 TOP is a single phase connector for outdoor applications with breaking capacity (CBC), i.e. it can be connected or disconnected under load or live.





Features & Benefits

- For cable diameters 10-16 mm (0.39 – 0.63 inches)
- Heavy duty sealed power connector for harsh and demanding environment
- Uses high impact UV-resistant materials
- Extremely robust and reliable cable retention
- IEC EN 60320-1 and UL 60320-1 certified, thus accepted as a component for cord sets acc. to IEC 60799 and of equipment acc. to IEC 62368-1
- TOP True Outdoor Protection
- Single phase connector with Circuit Breaking Capability (20 A 250 VAC)
- Superior NEUTRIK quality standard

Product related questions and answers

Question	Answer
Is the new cable entry patented?	There is a patent application in process which is related to the cable entry section.

Technical Information

Product	
Title	NAC3FX-W-TOP-L
Connector series	powerCON TRUE1 TOP

Electrical	
Dielectric strength	2.8 kVac
Insulation resistance	> 0.1 GΩ
Number of electrical contacts	2 + PE
Rating Europe	IEC EN 60320-1: 16 A 250 V AC
	Certified with cable types: H07RN-F3G2.5
Rating USA	UL 60320-1 & C22.2 No. 60320-1:19: 20 A 250 V AC
	Certified with cable types:
	- SOOW 12/3, SOOW 14/3
	- SJOOW 12/3

Mechanical	
Cable O.D.	10 – 16 mm (0.39 – 0.63 inches)
Lifetime	Typically 5'000 mating cycles
Wire size (mm ²)	2.5 mm ²
Wire size (AWG)	14 – 12 AWG

Material	
Contact plating	2 μm Ag
Contacts	Bronze (CuSn0.2)
Insert	Polyamide (PA 6.6 30 % GR)
Locking element	ZuAl4Cu1
Shell	Polyamide (PA 6.6 30 % GR)
Strain relief	Polyacetal (POM)

Environmental	
Flammability	UL 94 V-0
Protection class	IP65, UL50E enclosure type 4 (mated)
Temperature range	-30 °C to +80 °C