



NAC3FX-W-TOP

Locking female cable connector, screw terminals

The powerCON TRUE1 TOP is a locking 16 A true mains connector for outdoor applications. It replaces appliance couplers wherever a very rugged solution in combination with a locking device is needed in order to guarantee a safe power connection.

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

Features & Benefits

- Heavy duty sealed power connector for harsh and demanding environment
- Uses high impact UV-resistant materials
- Lockable 16 A single phase connector (USA: 20 A)
- Extremely robust and reliable
- ENEC certified according to IEC 60320
- Outdoor protection according to IP65 and UL50E enclosure type 4 (in mated condition)
- True mains connector with breaking capacity (CBC)
- Easy and reliable twist lock system
- Unique Neutrik cable retention
- UL498 certified

Technical Information

Product

Title	NAC3FX-W-TOP
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Electrical

Contact resistance	$\leq 3 \text{ m}\Omega$
Dielectric strength	4 kVdc / 2.8 kVac
Insulation resistance	$> 0,1 \text{ G}\Omega$ (after damp heat test IEC 68-2-30)
Number of electronical contacts	2 + PE
Rated current per contact	16 A rms (USA: 20 A)
Rated voltage	250 V ac

Mechanical

Cable O.D.	6 - 12 mm
Lifetime	> 5000 mating cycles
Wiresize	1.0 - 2.5 mm ²
Wiresize	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