



NAC3MPX-WOT-TOP

Appliance inlet connector, 1/4" flat tab terminals, without insulation divider

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
- Outdoor protection according to IP65 and UL50E enclosure type 4 (in mated condition or in combination with the rubber sealing cover SCNAC-MPX)
- Uses high impact UV-resistant materials
- True mains connector with breaking capacity (CBC)
- Lockable 16 A single phase connector (USA: 20 A)
- Easy and reliable twist lock system
- Extremely robust and reliable
- Unique Neutrik cable retention
- ENEC certified according to IEC 60320
- UL498 certified

Technical Information

Product	
Title	NAC3MPX-WOT-TOP

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)
Number of electrical contacts	2 + PE
Rated current per contact	16 A (USA: 20A)
Rated voltage	250 V ac

Mechanical	
Lifetime	> 5000 mating cycles
Wiresize	2.5 mm^2
Wiresize	12 AWG

Material	
Contact plating	$2\text{ }\mu\text{m Ag}$
Locking element	Stainless steel
Shell	Polyamide (PA 6.6)
Contacts	Spring Copper (CuSn0.2)

Environmental	
Flammability	UL 94 V-0
Protection class	IP65, UL50E enclosure type 4 (mated or in combination with SCNAC-MPX)
Temperature range	-30 °C to +80 °C
Solderability (for PCB)	Complies with IEC 68-2-20