



## 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
- IP65 rating and certified outdoor protection to UL 50E 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	
<b>Title</b>	NAC3FX-W-TOP

Electrical	
<b>Contact resistance</b>	$\leq 2 \text{ m}\Omega$
<b>Dielectric strength</b>	4 kVdc / 2.8 kVac
<b>Insulation resistance</b>	$> 0,1 \text{ G}\Omega$ (after damp heat test IEC 68-2-30)
<b>Number of electrical contacts</b>	2 + PE
<b>Rating Europe</b>	EN 60320-1: 16 A 250 V AC
<b>Rating USA</b>	UL 498: 20 A 250 V AC

Mechanical	
<b>Cable O.D.</b>	6 - 12 mm
<b>Lifetime</b>	$> 5000$ mating cycles
<b>Wiresize</b>	1.0 - 2.5 mm <sup>2</sup>
<b>Wiresize</b>	12 AWG

Material	
<b>Contact plating</b>	2 $\mu\text{m}$ Ag
<b>Contacts</b>	Bronze (CuSn0.2)
<b>Insert</b>	Polyamide (PA 6.6 30 % GR)
<b>Locking element</b>	ZuAl4Cu1
<b>Shell</b>	Polyamide (PA 6.6 30 % GR)
<b>Strain relief</b>	Polyacetal (POM)

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