



## NAC3FX-W-TOP

The powerCON TRUE1 TOP is a locking 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.

Keyed for Power IN, 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) for outdoor applications.

### Features & Benefits

- IEC EN 60320-1, UL 60320-1 and C22.2 No. 60320-1:19 certified, thus accepted as a component for cord sets acc. to IEC 60799 / UL817 and equipment acc. to IEC 62368-1
- Heavy duty sealed power connector for harsh and demanding environment
- Uses high impact UV-resistant materials
- TOP True Outdoor Protection
- Superior NEUTRIK quality standard
- Unique NEUTRIK locking bushing and strain relief for cable diameters 6 mm to 12 mm (0.23 – 0.47 inches)
- IP65 rating and approved for outdoor protection
- Extremely robust and reliable cable retention
- Lockable, single phase connector with Circuit Breaking Capability (16A resp. 20 A 250 VAC)

## Technical Information

Product	
<b>Title</b>	NAC3FX-W-TOP
<b>Connector series</b>	powerCON TRUE1TOP

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 60320-1 & C22.2 No. 60320-1:19: 20 A 250 V AC

Mechanical	
<b>Cable O.D.</b>	6 - 12 mm (0.23 - 0.47 inches)
<b>Lifetime</b>	$> 5000$ mating cycles
<b>Wiresize</b>	1.0 - 2.5 mm <sup>2</sup>
<b>Wiresize</b>	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