



NAC3FPX-ST-TOP

Appliance outlet 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
- ✓ IP65, UL50E enclosure type 4 rating in combination with SCNAC-FPX (mated or with closed cap)
- ✓ 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	NAC3FPX-ST-TOP

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

Mechanical	
Lifetime	> 5000 mating cycles
Wiresize	2.5 mm^2
Wiresize	14 AWG
Wiring	screw terminals

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 type4 rating in combination with SCNAC-FPX (mated or with closed cap)
Temperature range	-30°C to +80°C according to IEC 61984 -5°C to +40°C according to IEC 60320-1