



NAC3MPX

* Discontinued *

Successor product: NAC3MPX-TOP

Appliance inlet connector, 1/4" flat tab terminals

The powerCON TRUE1 is a locking 16 A true mains connector. 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 is a connector with breaking capacity (CBC), i.e. it can be connected or disconnected under load or live.

Features & Benefits

Appliance inlet

- ✓ 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
- ✓ ENEC certified according to IEC 60320
- ✓ UL recognized components
- ✓ IP65 ingress protection in combination with SCNAC-MPX (mated or with closed cap)

Technical Information

Product

Title	NAC3MPX
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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)
Number of electrical contacts	2 + PE
Rated current per contact	16 A rms (USA: 20 A)
Rated voltage	250 V ac

Mechanical

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

Material

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

Environmental

Flammability	UL 94 V-0
Temperature range	$-30 \text{ }^\circ\text{C} - +80 \text{ }^\circ\text{C}$