NAC3F-TRUE1-L

POWERCON TRUE1 FEMALE CABLE CONNECTOR FOR 10 - 16 MM CABLES

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

NAC3F-TRUE1-L

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Via Enzo Ferrari 10
62017 Porto Recanati (MC), Italy
info@frenexport.it

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PRODUCT DETAILS

KEY FEATURES

- Heavy duty sealed power connector for harsh and demanding environment
- Uses high impact UV-resistant materials
- Lockable single phase connector
- Extremely robust and reliable
- ENEC and VDE certified according to IEC 60320-1 and EN IEC 60320-1
- UL and CSA Certified According to UL 60320-1 and CSA 22.2 No. 60320-1
- UL Certified According to UL 498
- IP65 and IP67 (mated or with closed cap)
- True mains connector with breaking capacity (CBC)
- Easy and reliable twist lock system
- Unique NEUTRIK locking bushing and strain relief for cable diameters 10 mm to 16 mm (0.39 – 0.63 inches)

SPECIFICATIONS

Product Family	powerCON TRUE1
Contact resistance	? 2 m?
Dielectric strength	4 kVdc / 2.8 kVac
Insulation resistance	>0.1G? (after damp and heat test IEC 68-2-30)
Number of electrical contacts	2 + PE

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Rating Europe	16 A / 250 V AC according to EN IEC 60320-1
Rating America	20 A / 250 V AC according to UL 60320-1; 20 A / 250 V AC according to CSA C22.2 No. 60320-1; 20A/ 250 V AC according to UL 498
Cable O.D.	10 - 16 mm (0.39 – 0.63 inches)
Lifetime	> 5000 mating cycles
Wiresize (mm²)	1.5 – 2.5mm²
Wiresize (AWG)	14 - 12 AWG
Contact plating	2 ?m Ag
Locking element	Polyamide (PA 66)
Contacts	Copper Alloy
Insert	Polyamide (PA 66)
Shell	Polyamide (PA 66)
Strain relief	Polyketon
Flammability	UL 94 V-0
Protection class	IP 65 / 67 (mated or with closed caps)
UV resistance	F1 rated material withstands UV exposure
Temperature range	-30°C to +80°C according to IEC 61984; -5°C to +40°C according to IEC 60320-1

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