

NAC3M-TRUE1-S

POWERCON TRUE1 MALE CABLE CONNECTOR - CABLE DIAMETERS 6 MM TO 12 MM

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.

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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 6 mm to 12 mm (0.23 – 0.47 inches)

SPECIFICATIONS

Product family	powerCON TRUE1
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Contact resistance; ? 2 m?

Dielectric strength	4 kVdc / 2.8 kVac
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Insulation resistance	>0.1G? (after damp and heat test IEC 68-2-30)
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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.	6 - 12 mm (0.23 – 0.47 inches)
Lifetime	> 5000 mating cycles
Wiresize (mm ²)	1.5 – 2.5mm ²
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