

NAC3FPX-TRUE1

POWERCON TRUE1 TOP MALE OUTPUT CONNECTOR - AIRTIGHT

The "powerCON TRUE1 airtight" is a locking true mains connector for harsh and demanding applications. This innovative product is part of the powerCON-TRUE1 product group and belongs to our premium powerCON-TRUE1 line. With an impressive array of features and a particular focus on protection and performance, the powerCON airtight" is the choice for professionals who require absolute reliability. 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.

With the powerCON TRUE1 airtight, you can count on a secure connection, even in the most extreme conditions.

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

Airtightness for production line tests to ensure TRUE OUTDOOR PROTECTION on devices

Heavy duty sealed power connector for harsh and demanding environment

Uses high impact UV-resistant materials

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, IP66 and IP67 (mated or with closed cap)

True mains connector with breaking capacity (CBC)

Easy and reliable twist lock system

SPECIFICATIONS

Product family	powerCON® TRUE1
Contact resistance	? 2 m?
Dielectric strength	4 kVdc / 2.8 kVac
Insulation resistance	> 1 G? (after damp and heat test IEC 68-2-30)
Number of electrical contacts	2 + PE
Rating Europe	16 A / 250 V AC according to EN IEC 60320-1

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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
Lifetime	> 5000 mating cycles
Wiresize (mm ²)	2.5 mm ²
Wiresize (AWG)	12 AWG
Contact plating	2 µm Ag
Locking element	Stainless steel
Contacts	Copper Alloy
Shell	Polyamide (PA 66)
Flammability	UL 94 V-0
Protection class	IP 65 / 66 / 67
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