

NAC3FPX-TRUE1

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.

Features & Benefits

- 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

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- 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

Technical Information

Product	
Title	NAC3FPX-TRUE1
Product family	powerCON® TRUE1

Electrical	
Contact resistance	≤ 2 mΩ
Dielectric strength	4 kVdc / 2.8 kVac
Insulation resistance	> 1 GΩ (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
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

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Mechanical	
Lifetime	> 5000 mating cycles
Wiresize (mm²)	2.5 mm²
Wiresize (AWG)	12 AWG

Material	
Contact plating	2 µm Ag
Locking element	Stainless steel
Contacts	Copper Alloy
Shell	Polyamide (PA 66)

Environmental	
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

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