



## NAC3MPX-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 and 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
- 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
- IP65, IP66 and IP67 (mated or with closed cap)
- True mains connector with breaking capacity (CBC)
- Easy and reliable twist lock system

## Technical Information

### Produkte

<b>Title</b>	NAC3MPX-TRUE1
<b>Product family</b>	powerCON® TRUE1

### Elektrisch

<b>Contact resistance</b>	≤ 2 mΩ
<b>Dielectric strength</b>	4 kVdc / 2.8 kVac
<b>Insulation resistance</b>	> 1 GΩ (after damp and heat test IEC 68-2-30)
<b>Number of electrical contacts</b>	2 + PE
<b>Rating Europe</b>	16 A / 250 V AC according to EN IEC 60320-1
<b>Rating America</b>	20 A / 250 V AC according to UL 60320-1 20 A / 250 V AC according to CSA C22.2 No. 60320-1

### Mechanische Daten

<b>Lifetime</b>	> 5000 mating cycles
<b>Wiresize (mm<sup>2</sup>)</b>	2.5 mm <sup>2</sup>
<b>Wiresize (AWG)</b>	12 AWG

### Material

<b>Contact plating</b>	2 μm Ag
<b>Locking element</b>	Stainless steel
<b>Contacts</b>	Copper Alloy
<b>Shell</b>	Polyamide (PA 66)

Umwelt	
Flammability	UL 94 V-0
Protection class	IP 65 / 66 / 67 (mated or with closed caps)
UV resistance	F1 rated material withstands UV exposure
Operating temperature range	-5°C to +40°C according to IEC 60320-1