



# Product Data Sheet

Neutrik NAC3MPX-TRUE1 PowerCON 16A TRUE1  
Input Chassis Mount Connector

## Description



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.

Product	SKU
NEUTRIK NAC3MPX-TRUE1 POWERCON 16A TRUE1 INPUT CHASSIS MOUNT CONNECTOR	105829



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Input Chassis Mount Connector

## Key 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 Specification

### Neutrik NAC3MPX-TRUE1 PowerCON 16A Specification

Electrical	Material
<b>Contact resistance:</b> $\leq 2 \text{ m}\Omega$	<b>Contact plating:</b> $2 \mu\text{m Ag}$
<b>Dielectric strength:</b> 4 kVdc / 2.8 kVac	<b>Locking element:</b> Stainless steel
<b>Insulation resistance:</b> $> 1 \text{ G}\Omega$ (after damp and heat test IEC 68-2-30)	<b>Shell:</b> Polyamide (PA 6.6)
<b>Number of electrical contacts:</b> 2 + PE	<b>Contacts:</b> Copper Alloy
<b>Rating Europe:</b> 16 A / 250 V AC according to EN IEC 60320-1	Environmental
<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	<b>Flammability:</b> UL 94 V-0
Mechanical	<b>Temperature range:</b> $-30^\circ\text{C}$ to $+80^\circ\text{C}$ according to IEC 61984 $-5^\circ\text{C}$ to $+40^\circ\text{C}$ according to IEC 60320-1
<b>Lifetime:</b> $> 5000$ mating cycles	<b>Protection class:</b> IP 65 / 66 / 67 (mated or with closed caps)
<b>Wiresize:</b> $2.5 \text{ mm}^2$ , 12 AWG	<b>UV resistance:</b> F1 rated material withstands UV exposure