



# Neutrik TRUE1 2+PE powerCON Connector (Male)

## NT-NAC3M-TRUE1-S - Specifications

### Description

This connector 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.

### Features:

- Heavy duty sealed power connector for harsh and demanding environment
- Uses high impact UV-resistant materials
- Lockable single phase connector
- Unique NEUTRIK locking bushing and strain relief for cable diameters 6 mm to 12 mm (0.23 – 0.47 inches)
- 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

### Physical Characteristics

Color	Grey
Connector Type	powerCON TRUE1
Temperature Range	-30°C to +80°C
Contact Plating	2µm Ag
Contacts	Copper Alloy
Insert	Polyamide (PA6.6)
Locking Element	Polyamide (PA6.6)
Shell	Polyamide (PA6.6)
Strain Relief	Polyketone
Gender	Male

### Electrical Characteristics

Contact Resistance	≤ 2 mΩ
Dielectric Strength	4 kVdc / 2.8 kVac
Insulation Resistance	>0.1GΩ (after damp and heat test IEC 68-2-30)
Number of electrical contacts	2 + PE
Rated Voltage	20A 250 VAC





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### Mechanical Characteristics

Cable O.D.	6 - 12 mm (0.23 – 0.47 inches)
Lifetime	> 5000 mating cycles
Wire size	1.0 – 2.5 mm <sup>2</sup> 14 AWG
Wiring	Screw Type Terminals
Locking Device	Twist lock

### Environmental

Protection class	IP 65 / 67 (mated or with closed caps)
Flammability acc. to UL94	V-0
UV Resistance	F1 rated material withstands UV exposure
IEC	Compliant
UL	Compliant
CSA	Compliant
VDE	Compliant

### Manufacturer Information

Neutrik Part Number	NAC3F-TRUE1-S
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### Packaging Information

Package Quantity	1
Product Weight	0.02 lbs [0.01 kg]

