



# Product Data Sheet

Neutrik NAC3M-TRUE1-S-D powerCON 16A Male Locking TRUE1 Cable Connector, Disassembled

## Description



The powerCON TRUE1 is a locking true mains connector for harsh and demanding applications. 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.

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 NAC3M-TRUE1-S-D POWERCON 16A MALE LOCKING TRUE1 CABLE CONNECTOR, DISASSEMBLED	105830

## Key Benefits

- Heavy duty sealed power connector for harsh and demanding environment
- Uses high impact UV-resistant materials
- Lockable single phase connector
- 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 and IP67 (mated or with closed cap)
- True mains connector with breaking capacity (CBC)
- Easy and reliable twist lock system
- Unique NEUTRIK locking bushing and strain relief for cable diameters 6 mm to 12 mm (0.23 – 0.47 inches)



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## Technical Specification

### Neutrik NAC3M-TRUE1-S-D powerCON Specification

Electrical	Material
<b>Contact resistance:</b> $\leq 2 \text{ m}\Omega$	<b>Contact plating:</b> $2 \text{ }\mu\text{m Ag}$
<b>Dielectric strength:</b> 4 kVdc / 2.8 kVac	<b>Locking element:</b> Polyamide (PA 66)
<b>Insulation resistance:</b> $> 1 \text{ G}\Omega$ (after damp and heat test IEC 68-2-30)	<b>Shell/Insert:</b> Polyamide (PA 66)
<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	<b>Strain relief:</b> Polyketon
<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	Environmental
Mechanical	<b>Flammability:</b> UL 94 V-0
<b>Cable O.D.:</b> 6 - 12 mm (0.23 – 0.47 inches)	<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 / 67 (mated or with closed caps)
<b>Wiresize:</b> 1.5-2.5 mm <sup>2</sup> , 14 AWG	<b>UV resistance:</b> F1 rated material withstands UV exposure