

TECHNICAL SPECIFICATION

NEU-NAC3MX-W-TOP



Description: Neutrik, PowerCON TRUE1 TOP, Male Cable Connector, Lockable Housing, 16A

Why This Product? Designed for outdoor applications this connector replaces appliance couplers wherever a very rugged solution in combination with a locking device is needed.

Key Features

- Heavy duty sealed power connector for harsh and demanding environment
- Uses high impact UV-resistant materials
- Lockable 16 A single phase connector (USA: 20 A)
- Extremely robust and reliable
- ENEC certified according to IEC 60320
- IP65 rating and certified outdoor protection to UL 50E enclosure type 4 (in mated condition)
- True mains connector with breaking capacity (CBC)
- Easy and reliable twist lock system
- Unique Neutrik cable retention
- UL498 certified



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Revision Number:	1
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1723 W. 4th Street Tempe Arizona 85281
P: 800.638.6104 | F: 480.966.6728 | E: sales@covid.com | www.covid.com

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Technical Specifications

Protocol PowerCON TRUE1 TOP
Connector Male

Electrical

Contact Resistance $\leq 2 \text{ m}\Omega$
Dielectric Strength 4 kVdc / 2.8 kVac
Insulation Resistance $> 0,1 \text{ G}\Omega$ (after damp heat test IEC 68-2-30)
Number of Electronical Contact 2 + PE
Rated Current Per Contact USA: 20 A (16 A rms)
Rated Voltage 250 V ac

Mechanical

Cable O.D. 6 - 12 mm
Lifetime > 5000 mating cycles
Wire Size $1.0 - 2.5 \text{ mm}^2$, 12 AWG

Material

Contact Plating $2 \mu\text{m Ag}$
Contacts Bronze (CuSn0.2)
Insert Polyamide (PA 6.6 30 % GR)
Locking Element ZuAl4Cu1
Shell Polyamide (PA 6.6 30 % GR)
Stain Relief Polyacetal (POM)

Environmental

Flammability UL 94 V-0
Protection Class IP65, UL50E enclosure type 4 (mated)
Temperature Range -30°C to $+80^\circ\text{C}$

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