

# TECHNICAL SPECIFICATION

## NEU-NAC3FX-W-TOP



**Description:** Neutrik, PowerCON TRUE1 TOP, Female 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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### Technical Specifications

Protocol ..... PowerCON TRUE1 TOP  
Connector ..... Female

#### 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 .....  $\text{ZuAl4Cu1}$   
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 .....  $-30^\circ\text{C}$  to  $+80^\circ\text{C}$

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