



Product Data Sheet

Neutrik NAC3FC-HC 32A powerCON

Description



The 32A powerCON is an extremely robust and reliable locking single phase AC appliance cable connector for high current capacity (32 A rated). It is conceived as a non-standardized 3 pole connection system without breaking capacity to serve the needs of high power distribution systems and supplies for professional audio and lighting equipment and installations. The connectors comprise of contacts for phase, neutral and protective earth (ground) conductors rated for currents up to 32 A and for voltages up to 250V.

Product	SKU
NEUTRIK NAC3FC-HC 32A POWERCON	HC-00-5043

Key Benefits

- 250 V ac, 32 A single-phase (for ambient temperatures up to 35°C)
- Premating contact for protective earth
- Fast and easy locking system to prevent unintentional disengagement
- Cable O.D. Range: 8 - 20 mm
- Wiring with screw-type terminals for wires 2.5 to 6.0 mm² (AWG 14 - 10)
- Excellent cable handling and protection
- Extremely robust and reliable
- VDE, UL, cUL and JET approved
- IEC 62368-1 compliant up to 4000 W



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Technical Specification

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Gender: Female	Material
Electrical	Contact plating: 4 μ m Ag
Contact resistance: \leq 3 m Ω	Contacts: Brass (CuZn39Pb3)
Dielectric strength: 4 kVdc / 2.8 kVac	Insert: Polyamide (PA 6.6 25 % GR)
Insulation resistance: > 10 G Ω (initial)	Locking element: Zinc diecast (ZnAl4Cu1)
Rated current per contact: 32 A (30A for cUL)	Shell: Polyamide (PA 6 30 % GR)
Rating Europe: EN 61984: 32 A 250 V AC	Strain relief: Polyacetal (POM)
Rating USA: UL 1977: 32 A 250 V AC	Environmental
Mechanical	Flammability: UL 94 V-0
Cable O.D.: 8 - 20 mm	Protection class: IP 20 (mated)
Lifetime: > 1000 mating cycles	Safety Requirements: EN/IEC 61984
Wiresize: 2.5 - 6 mm ² , 14 - 10 AWG	Solderability: Complies with IEC 68-2-20
Wiring: screw terminals	Temperature range: -25 °C to +70 °C
Locking device: Quick Lock	