



NAC3MP-HC

powerCON 32 A chassis connector, power-in

The 32 A 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.

Features & Benefits

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

Technical Information

Product	
Title	NAC3MP-HC
Connection Type	powerCON
Gender	male

Electrical	
Contact resistance	$\leq 3 \text{ m}\Omega$
Dielectric strength	4 kVdc / 2.8 kVac
Insulation resistance	$> 10 \text{ G}\Omega$ (initial)
Rating Europe	EN 61984: 32 A 250 V AC
Rating USA	UL 1977: 32 A 250 V AC
Maximal Wattage according to IEC 62368-1	4000 W rms

Mechanical	
Lifetime	> 1000 mating cycles
Wiresize	2.5 - 6 mm ²
Wiresize	14 - 10 AWG
Wiring	screw terminals
Locking device	Quick Lock

Material	
Contact plating	4 µm Ag
Contacts	Bronze (CuSn0.2)
Locking element	Steel Ck67
Shell	Polyamide (PA 6.6 25 % GR)

Environmental	
Flammability	UL 94 V-0
Protection class	IP 20 (mated)
Safety Requirements	EN/IEC 61984
Solderability	Complies with IEC 68-2-20
Temperature range	-25 °C to +70 °C