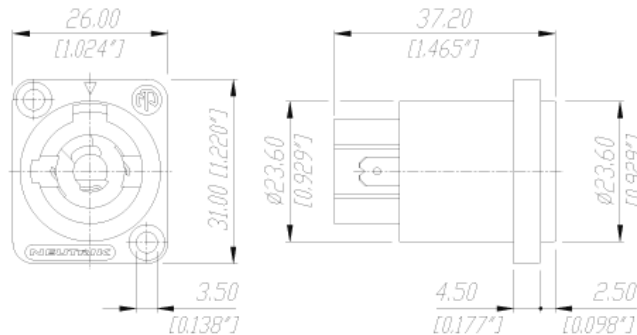


NAC3MPA

Air tight chassis connector, A-type for power-in, flat tab terminals.



Industrial Connectors / PowerCon®

Locking 3 conductor equipment AC connector with contacts for line, neutral and pre-mating ground contact. Fast and easy locking system. High current capacity (20 A rated). Extremely robust and reliable. Meets all prevailing safety standards. UL recognized, VDE certified and SEV approved. Very good cable handling and protection. Note: The PowerCon® is a connector without breaking capacity, i.e. the PowerCon® should not be connected or disconnected under load or live!

TECHNICAL DATA

Electrical

Number of contacts: 2 + PE
Rated current per contact: 20 A rms
Rated voltage: 250 V ac
Dielectric strength: 4000 V dc
Contact resistance: $\leq 3 \text{ m } \Omega$
Insulation resistance after damp heat test: $> 100 \text{ M } \Omega$
Creepage distance: according to IEC 664-1
Safety ground: Premating

Mechanical

Retention method: Quicklock with securing lever
Cable O.D. range: 5 - 15 mm
Cable retention force: = 220 N, depending on cable dia and material
Wiring: - Cable: screw-type terminals or soldering nom. wire size/contact: 2.5 mm² / 14 AWG
- Chassis: flat tabs for FASTON 0.187" x 0.02" (4.8mm x 0.5mm) or soldering
Solderability: complies with IEC 68-2-20

Materials

Housing: PA 6 30% GR
Insert: PA 6 30% GR
Contacts: CuZn39Pb3 / CuSn6
Contact surface: L+N 20 μm Ag plated, Earth 4 μm Ag plated
Chuck: POM
Temperature range: -30°C to +80°C
Flammability: UL94HB
Protection class (mated): IP20

CODING

With the two non-interchangeable types of connectors (A-type, B-type) it is impossible to produce a short circuit. Mating connectors (combination) are identified by mechanical keyways and by color:

- A-type (POWER-IN)
Cable connector: blue
Chassis connector: blue

- B-type (POWER-OUT)

Cable connector: grey, with blue bushing
Chassis connector: grey