

View

PowerCon

Locking 3 pole Mains Connector. 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.

TECHNICAL DATA

Electrical

Rated current: 20 A rms @ wire size 2.5 mm²
 Rated voltage: 250 V ac
 Dielectric strength: 4240 V pp
 Contact resistance: = 3 mΩ after 5000 insertion-withdrawal operations
 Insulation resistance - initial: > 2 GΩ
 - after damp heat test: > 500 MΩ
 Creepage distance: according to IEC 664-1
 Safety ground: Premating

Mechanical

Retention method: Quicklock with securing lever
 Cable anchoring: NEUTRIK® chuck principle
 Cable O.D. range: 5 - 15 mm
 Cable retention force: = 220 N, depending on cable dia and material
 Wiring: - Cable: screw-type terminals (use with supplied ferrules for stands) 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

Materials

Housing: PA 6 30% GR
 Insert (FC part): PBTP 20% GR
 Contacts: ZnAl4Cu1 / CuSn8 4 μm / 20 μm Ag plated
 Securing lever: ZnAl4Cu1, CuNi plated
 Bushing: PA 6 15% GR
 Chuck: POM
 Temperature range: -30°C to +80°C

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:

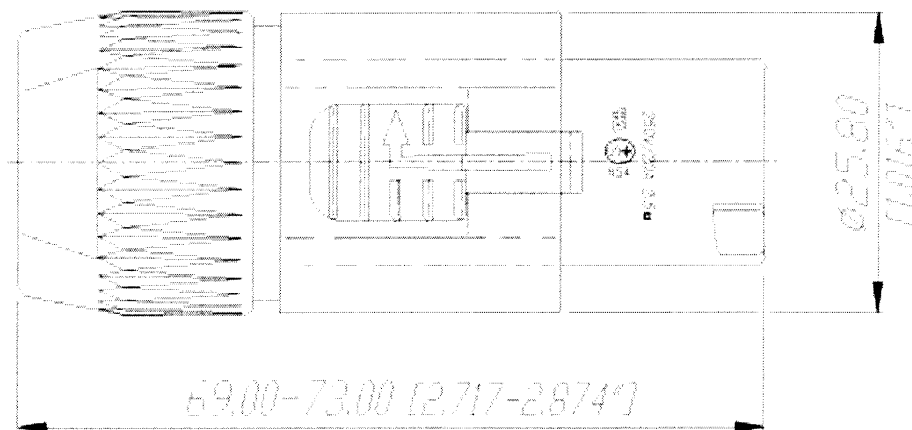
A-type (POWER INLET) B-type (POWER OUTLET)

Cable connector: blue grey, with blue bushing

Chassis connector: blue grey

NAC3FCB

Cable connector with quick lock. Gray. Power OUT System.



Vector View ▶ Photo View