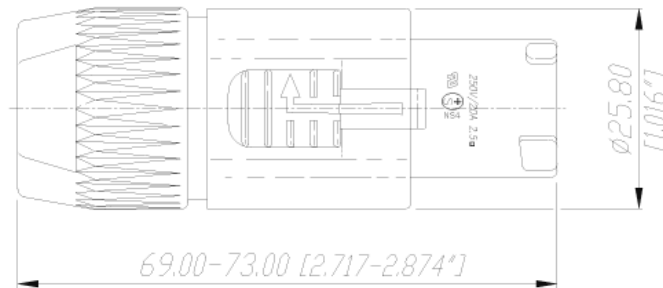


# NAC3FCA

Cable connector, quick lock with securing lever, A-type for power-in, screw 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:  $2.5 \text{ mm}^2 / 14 \text{ AWG}$   
- Chassis: flat tabs for FASTON  $0.187'' \times 0.02''$  (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  $\mu\text{m}$  Ag plated, Earth 4  $\mu\text{m}$  Ag plated  
Chuck: POM  
Temperature range:  $-30^\circ\text{C}$  to  $+80^\circ\text{C}$   
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