



Robust metal housing



Big bushing for cable up to 20 mm



Locking key



Screw-type terminals

powerCON

powerCON 32 A Connectors



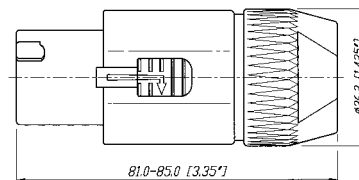
NAC3FC-HC



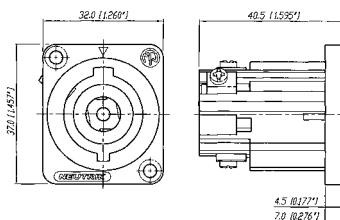
NAC3MP-HC

- Locking single phase AC appliance coupler
- High current capacity (32 A rated)
- Fast and easy locking system
- Excellent cable handling and protection
- Extremely robust and reliable
- 250 V ac, 32 A single-phase (for ambient temperatures up to 35 °C)
- Premating contact for protective earth
- 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)

NAC3FC-HC



NAC3MP-HC



Ordering Information

NAC3FC-HC	Cable connector, quick lock with securing lever, screw terminals
NAC3MP-HC	Fast and easy locking system, screw-type terminals

Specification		powerCON TRUE1	powerCON Series	32 A powerCON Series
Electrical				
Number of contacts	2 + PE	•	•	•
Rated current per contact		20 A rms ¹⁾	20 A rms	32 A rms
Rated voltage	250 V ac	•	•	•
Dielectric strength	4 kV ac	•	•	•
Contact resistance	≤ 3 mΩ	•	•	•
Insulation resistance after damp heat test (IEC 68-2-30)	> 0.1 GΩ	•	•	•
Mechanical				
Retention method	Quick lock	•	•	•
Cable O.D. range		6 – 12 mm	6 – 15 mm ²⁾	8 – 20 mm
Wiring	Cable: screw type terminals	•	•	•
		1.0 – 2.5 mm ² / AWG 12	2.5 mm ² / AWG 14	2.5–6 mm ² / AWG 14-10
	or soldering	•	•	•
	Chassis:			
	flat tabs for FASTON® (4.8 x 0.5 mm)	-	•	-
	(6.35 mm x 0.8 mm)	•	-	-
	or soldering	•	•	•
	screw type terminals	-	•	•
Material				
Housing cable connector		PA 6 30% GR	PA 6 30% GR	PA 6 30% GR
Housing receptacle		PA 6.6 30% GR	PA 6.66 25% GR	PA 6.6 25% GR
Insert		PA 6.6 30% GR	PA 6 30% GR	PA 6.6 25% GR
Contacts	Female:	CuSn0.2	CuZn39Pb3	CuZn39Pb3
	Male:	CuNi1Si0.2	CuNi1Si0.2	CuSn0.2
Contact surface		2 µm Ag plated	4 µm / 2 µm Ag plated	4 µm Ag
Chuck	POM	•	•	•
Environmental				
Flammability	UL 94 HB	-	•	• plug housing
	UL 94 V-0	•	•*	•*
Temperature range:	-30 °C to +80 °C	•	•	70 °C
Protection class (mated)		IP 65	IP 20	IP 2X unmated
Safety Requirements	EN / IEC61984	-	•	•
	IEC 60320	•	-	-
Solderability complies with	IEC 68-2-20	•	•	-
¹⁾ : Appliance coupler acc. IEC 60320 limited to 16 A ac ²⁾ : Cable O.D. range limited to 6 - 14 mm / acc. VDE * : Receptacle				
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