

SUMMARY

Wires

Low voltage 22



Image is for illustrative purpose only

Series 3F
Termination type
IP rating 67
AWG wire size 32.00 - 28.00
Cable Ø 5.30 - 16.00 mm
Status active
Matching parts [EGN.3F.322.XLP](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model FG*: Straight plug
Keying 3 keys (beta=150, gamma=60, plug: male contacts, receptacle: female contacts)
Housing Material Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Weight 15.14 g

Performance

Configuration 3F.322 : 22 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 5.5 Amps

Specifications

Contact Type: Crimp
Contact Retention: 22 N
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.45 mm (0.018in)
Min. Conductor: 0.035 mm² (AWG 32)
Max. Conductor: 0.09 mm² (AWG 28)
R (max): 6.1 mOhm
Vtest (contact-shell): 1450 V (AC), 2050 V (DC)

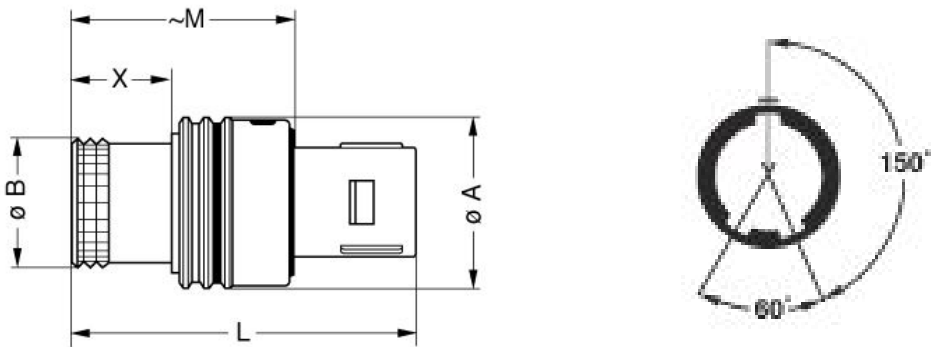
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Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

Others

- Endurance (Shell): 1000 mating cycles
- Temp (min / max): -55°C / +200°C
- Humidity (max): <=95% [at 60 deg C / 140 F]
- Vibration: 15 g [10 Hz - 2000 Hz]
- Shock Resistance: 100 g [6 ms]
- Operating temperature: -55°C/ +200°C
- Climatical Category: 15/200/21 (Aluminium shell)
- Salt Spray Corrosion: max. 48 hr

DRAWINGS



Dimensions

	A	B	L	M	X
mm.	19	16	27.8	17.9	8
in.	0,75	0,63	1,09	0,70	0,31

RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.701.V](#)

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Crimp settings: AWG/Selector = 28-30-32/4-3-3

Positionner: [DCE.91.070.BVC](#)

Extractor: [DCF.93.070.4LT](#)

Replacement contact: FGG.0B.556.ZZC

Cables

CMN.22.T30.054QGZE	TPR (medical)	Grey	
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