

SUMMARY

Wires

Low voltage 30



Image is for illustrative purpose only

Series 3F
Termination type Female crimp
IP rating 67
AWG wire size 26.00 - 22.00
Cable Ø 5.30 - 16.00 mm
Status active
Matching parts [FGN.3F.330.XLC](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model PB*: Straight receptacle with flange, 2 holes fixing
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 15.91 g

Performance

Configuration 3F.330 : 30 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 3.5 Amps

Specifications

Contact Type: Crimp
Contact Retention: 22 N
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.8 mm (0.031in)
Min. Conductor: 0.14 mm² (AWG 26)
Max. Conductor: 0.34 mm² (AWG 22)
R (max): 6.1 mOhm
Vtest (contact-shell): 1200 V (AC), 1700 V (DC)

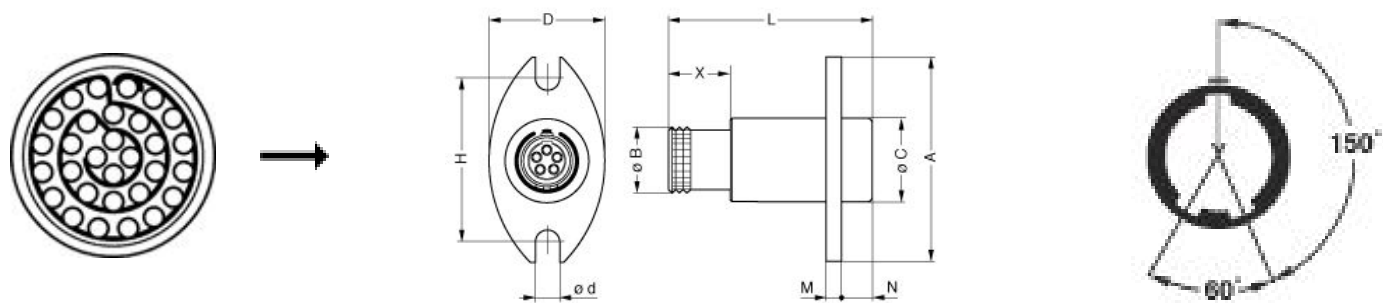
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Vtest (contact-contact): 1350 V (AC), 1910 V (DC)

Others

- Endurance (Shell): 1000 mating cycles
- Temp (min / max): -15°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]
- Climatical Category: 15/200/21 (Aluminium shell)
- Salt Spray Corrosion: max. 48 hr

DRAWINGS



Dimensions

| | A | B | C | D | H | L | M | N | X | d |
|-----|------|------|------|------|------|------|------|------|------|------|
| mm. | 38 | 16 | 17.5 | 20 | 29 | 28.2 | 2 | 4 | 8 | 3.2 |
| in. | 1,50 | 0,63 | 0,69 | 0,79 | 1,14 | 1,11 | 0,08 | 0,16 | 0,31 | 0,13 |

RECOMMENDED BY LEMO

Tools

- Crimp Tool: [DPC.91.701.V](#)
- Crimp settings: AWG/Selector = 22-24-26/6-5-5

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

Extractor: [DCF.93.070.4LT](#)

Replacement contact: EGG.0B.655.ZZM

Cables

| | | | |
|--------------------|-----|-------|---|
| CMN.30.T22.087PGCE | PVC | GREY |  |
| CMN.30.T22.087PGZE | | Grey |  |
| CMN.30.T22.087PNCE | PVC | Black |  |
| CMN.30.T22.087PNZE | | |  |
| 330240 | PVC | Black |  |
| 330260 | PVC | Black |  |
| 430250 | PVC | Grey |  |

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