

SUMMARY

Wires

Low voltage 10



Image is for illustrative purpose only

Series 2F
Termination type Male crimp
IP rating 67
AWG wire size 24.00 - 20.00
Cable Ø 5.30 - 14.00 mm
Status active
Matching parts [EGN.2F.310.XLM](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model FG*: Straight plug
Keying 3 keys (beta=165, gamma=30, 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 12.49 g

Performance

Configuration 2F.310 : 10 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 8 Amps

Specifications

Contact Type: Crimp
Contact Retention: 30 N
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 1.1 mm (0.043in)
Min. Conductor: 0.25 mm² (AWG 24)
Max. Conductor: 0.5 mm² (AWG 20)
R (max): 4.8 mOhm
Vtest (contact-shell): 2100 V (AC), 2970 V (DC)

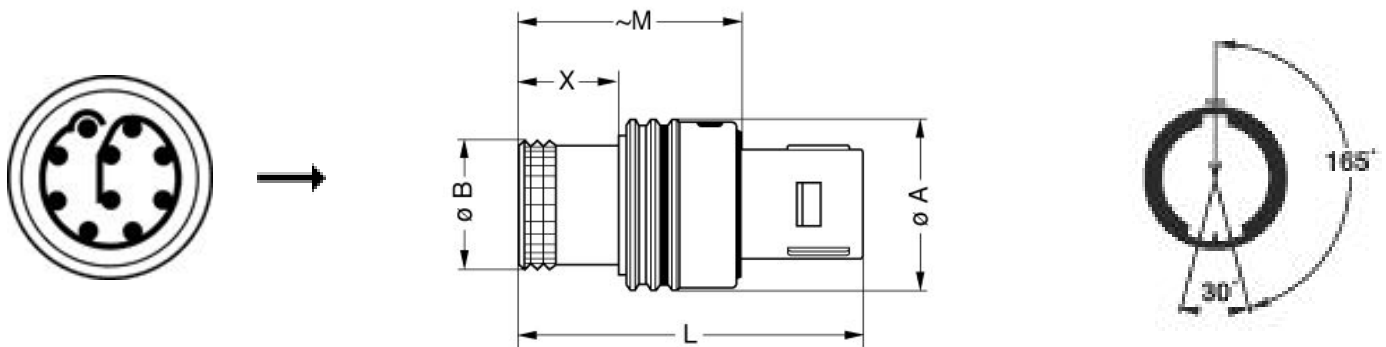
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Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

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. | 17 | 14 | 27.8 | 17.9 | 8 |
| in. | 0,67 | 0,55 | 1,09 | 0,70 | 0,31 |

RECOMMENDED BY LEMO




Tools

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

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Crimp settings: AWG/Selector = 20-22-24/6-5-5
 Positionner: [DCE.91.090.BVC](#)
 Extractor: [DCF.93.090.4LT](#)
 Replacement contact: FGG.0B.560.ZZC

Cables

| | | | |
|--------------------|---------------|-------|---|
| CMN.10.T20.080PGZE | | Grey |  |
| CMN.10.T20.080PNZE | | |  |
| CMN.10.T20.080QGC | TPR | Grey | |
| CMN.10.T22.068QGZE | TPR (medical) | Grey |  |
| CMN.10.T28.053QGZE | TPR (medical) | Grey |  |
| 110220 | PVC | Black |  |
| 110240 | PTFE | White |  |
| 110280 | PVC | Black |  |
| 210140 | PVC | Grey |  |
| 210240 | PVC | Black |  |
| 210250 | PVC | Grey |  |
| 210260 | PVC | Black |  |

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