

## **SUMMARY**

#### # Wires

Low voltage 7

Image is for illustrative purpose only

Series 1M

Termination type Female crimp

IP rating 68 when mated

AWG wire size 26.00 - 22.00

Cable Ø 4.85 - 9.70 mm

**Status** active

Matching parts FMN.1M.307.XLC

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## **TECHNICAL DETAILS**

#### **Mechanics**

Shell Style/Model \*:

**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 7.56 g

## **Performance**

Configuration 1M.307: 7 Low Voltage

Insulator L: PEEK
Rated Current 7.0 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 mm<sup>2</sup> (AWG 26) Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)

R (max): 6.1 mOhm

Test voltage (kV rms) Contact-contact: 1.45

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Test voltage (kV rms) Contact-shell: 1.2

#### **Others**

Endurance (Shell): 3000 mating cycles Temp (min / max): -20°C / +200°C Humidity (max): 21 days at 95%

Gunfire vibration: 25 Hz - 2000 Hz, 3 axis (Apache helicopter)

Vibration-Sine: 30 g, 3 axes, 12 hr [10 Hz - 2000 Hz]

Vibration-Random: 37.8 g rms - 3 axes, 4 hr amb [50 Hz - 2000 Hz]

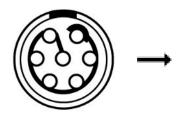
Shock Resistance: 300 g [ 3 ms]

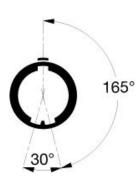
Lighting strike EIA 364-75: 10K amps - 6 times Thermal shock: 5 cycles: -65°C to +150°C

EMI Shielding EIA 364-66A: >= 80 dB (1 GHz), >= 70 dB (3 GHz), >= 58 dB (6 GHz), >= 40 dB (10 GHz)

Salt Spray Corrosion: max. 48 hr

## **DRAWINGS**





# **RECOMMENDED BY LEMO**

### Tools

Crimp Tool: DPC.91.701.V

Crimp settings: AWG/Selector = 22-24-26/6-5-5

Positionner: <a href="DCE.91.070.3MVM">DCE.91.070.3MVM</a>
Extractor: <a href="DCF.93.070.4LT">DCF.93.070.4LT</a>
Replacement contact: <a href="EGN.0M.655.ZZM">EGN.0M.655.ZZM</a>

Spanner wrench: Socket for torque wrench DCM.65.160.AZ

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