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## **SUMMARY**

### # Wires

Low voltage 8



Image is for illustrative purpose only

Series 2M

**Termination type** Female crimp

IP rating 68

AWG wire size 24.00 - 20.00 Cable Ø 6.50 - 13.00 mm

Status active

Matching parts FMN.2M.308.XLC

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## **TECHNICAL DETAILS**

### **Mechanics**

**Shell Style/Model** EG\*: Fixed receptacle, nut fixing

**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 7.41 g

## **Performance**

Configuration 2M.308: 8 Low Voltage

Insulator L: PEEK
Rated Current 10 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 mm<sup>2</sup> (AWG 24) Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)

R (max): 4.8 mOhm

Test voltage (kV rms) Contact-contact: 1.95

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Test voltage (kV rms) Contact-shell: 1.1

### **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]

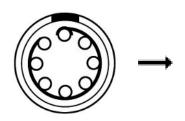
Shock Resistance: 300 g [ 3 ms]

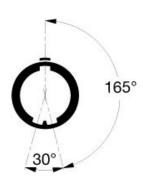
Lighting strike EIA 364-75: 10K amps - 6 times Thermal shock: 5 cycles: -65°C to +150°C

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**





## **Dimensions**

	С	D	Е	Ls	Ls	Р	S1	S2	e
mm.	17.2	6.8	4.5	18.3	18.3	5.3	12.5	17	M14x1.0
in.	0,68	0,27	0,18	0,72	0,72	0,21	0,49	0,67	

# **RECOMMENDED BY LEMO**

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## **Tools**

Crimp Tool: DPC.91.701.V

Crimp settings: AWG/Selector = 20-22-24/6-5-5

Positionner: <a href="DCE.91.090.3MVM">DCE.91.090.3MVM</a>
Extractor: <a href="DCF.93.090.4LT">DCF.93.090.4LT</a>
Replacement contact: <a href="EGN.0M.660.ZZM">EGN.0M.660.ZZM</a>

## **Cables**

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