



SUMMARY

Wires

Low voltage 8



Image is for illustrative purpose only

Series 1M

Termination type Male crimp

IP rating 68

AWG wire size 26.00 - 22.00 Cable Ø 4.85 - 9.70 mm

Status active

Matching parts FMS.1M.308.XLM

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Catalog

TECHNICAL DETAILS

Mechanics

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

Keying 3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts)

Housing Material

Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces

bronze/brass

Weight 4.98 g

Performance

Configuration 1M.308: 8 Low Voltage

Insulator L: PEEK
Rated Current 5.0 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 mm² (AWG 26) Max. Conductor: 0.34 mm² (AWG 22)

R (max): 6.1 mOhm

Test voltage (kV rms) Contact-contact: 1.3

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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]

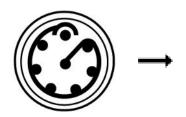
Shock Resistance: 300 g [3 ms]

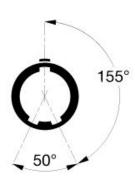
Lighting strike EIA 364-75: 10K amps - 6 times Thermal shock: 5 cycles: -65°C to +150°C

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	S 1	S2	e
mm.	14.2	6.8	4.5	18.3	18.3	5.3	9.5	13	M11x1.0
in.	0,56	0,27	0,18	0,72	0,72	0,21	0,37	0,51	

RECOMMENDED BY LEMO

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Tools

Crimp Tool: DPC.91.701.V

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

Positionner: DCE.91.070.5MVC
Extractor: DCF.93.070.4LT
Replacement contact: FGN.0M.555.ZZC

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