

# SUMMARY

#### # Wires

Low voltage

Image is for illustrative purpose only

Series	1M	Downl
Termination type	Female crimp	Requ
IP rating	68 mated (mating interface)	Cata
AWG wire size	26.00 - 22.00	
Cable Ø	4.85 - 9.70 mm	
Status	Active	
Matching parts	FMP.1M.307.XLC	

## ownload

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# **TECHNICAL DETAILS**

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#### **Mechanics**

Shell Style/Model	*•
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	7.58 g
Performance	
Configuration	1M.307 : 7 Low Voltage
Insulator	L: PEEK
Rated Current	7.0 Amps
Coolifications	

## Specifications

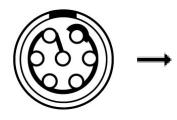
Contact Type: Crimp Contact Retention: 22 N Contact Dia.: 0.7 mm (0.028in) Bucket Dia.: 0.8 mm (0.031in) Min. Conductor: 0.14 mm^2 (AWG 26) Max. Conductor: 0.34 mm^2 (AWG 22) R (max): 6.1 mOhm Test voltage (kV rms) Contact-contact: 1.45

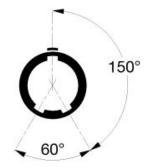
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#### Others

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:	DCE.91.070.3MVM
Extractor:	DCF.93.070.4LT
Replacement contact:	EGN.0M.655.ZZM
Spanner wrench:	Socket for torque wrench DCM.65.160.AZ

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