

SUMMARY

Wires

Low voltage 8

Image is for illustrative purpose only

Series 1M
Termination type Female print PCB
IP rating 68
AWG wire size 30.00 - 22.00
Cable Ø 0.00 - 0.00 mm
Status active
Matching parts [FGN.1M.308.CLCT](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model HE*: Fixed receptacle, nut fixing for printed circuit, watertight
Keying 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Housing Material Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Variant P : Watertight
Weight 14.23 g

Performance

Configuration 1M.308 : 8 Low Voltage
Insulator L: PEEK
Rated Current 5.0 Amps

Specifications

Contact Type: Print (straight)
Contact Dia.: 0.7 mm (0.028in)
R (max): 6.1 mOhm
Test voltage (kV rms) Contact-contact: 1.3
Test voltage (kV rms) Contact-shell: 1.1

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Others

Endurance (Shell): 3000 mating cycles

Temp (min / max): -20°C / +80°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]

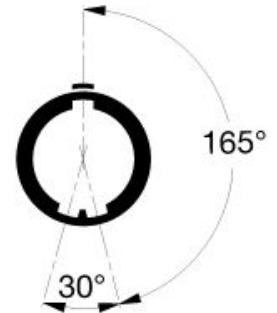
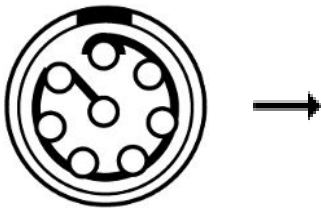
Lighting strike EIA 364-75: 10K amps - 6 times

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: >1000 hr

DRAWINGS



RECOMMENDED BY LEMO

Tools

Spanner wrench: [DCM.65.000.4PA](#)

Cables

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