

SUMMARY

Wires

Low voltage 19



Image is for illustrative purpose only

Series 2M
Termination type Male print PCB
IP rating 68
AWG wire size 30.00 - 22.00
Cable Ø 0.00 - 0.00 mm
Status active
Matching parts [FMS.2M.319.XLM](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model HE*: Fixed receptacle, nut fixing for printed circuit, watertight
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
Variant P : Watertight
Weight 8.94 g

Performance

Configuration 2M.319 : 19 Low Voltage
Insulator L: PEEK
Rated Current 4 Amps

Specifications

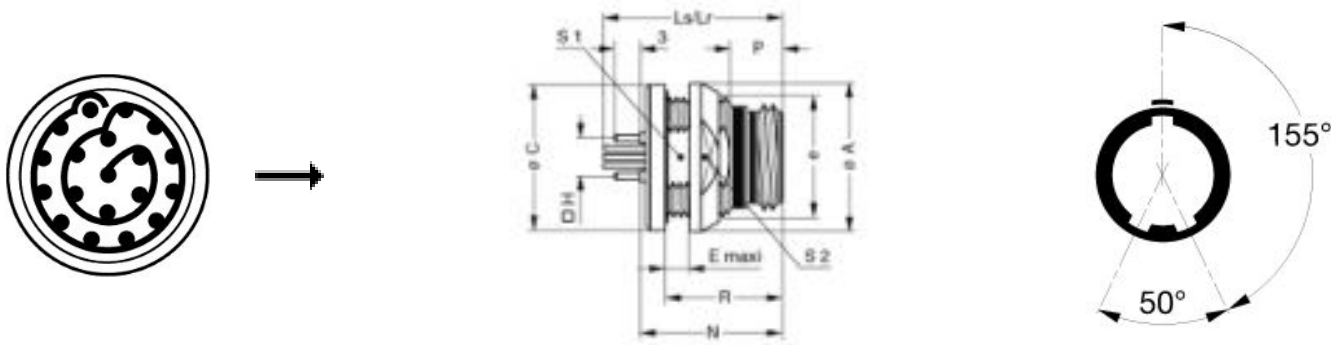
Contact Type: Print (straight)
Contact Dia.: 0.7 mm (0.028in)
R (max): 6.1 mOhm
Test voltage (kV rms) Contact-contact: 1.20
Test voltage (kV rms) Contact-shell: 1.00

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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: max. 48 hr

DRAWINGS



Dimensions

| | A | C | E | H | Lr | Ls | N | P | R | S1 | S2 | e |
|-----|------|------|------|------|------|------|------|------|------|------|------|----------|
| mm. | 21 | 20.8 | 5 | 8.89 | 21 | 20.8 | 16.8 | 5.3 | 13.8 | 15.5 | 18 | M17x1.00 |
| in. | 0,83 | 0,82 | 0,20 | 0,35 | 0,83 | 0,82 | 0,66 | 0,21 | 0,54 | 0,61 | 0,71 | |

RECOMMENDED BY LEMO

Tools

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

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