

SUMMARY

Wires

Low voltage 8



Image is for illustrative purpose only

| | |
|------------------|--------------------------------|
| Series | 2M |
| 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 | FMN.2M.308.XLC |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | EG*: Fixed receptacle, nut fixing, for printed circuit |
| 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 | 6.13 g |

Performance

| | |
|---------------|------------------------|
| Configuration | 2M.308 : 8 Low Voltage |
| Insulator | L: PEEK |
| Rated Current | 10 Amps |

Specifications

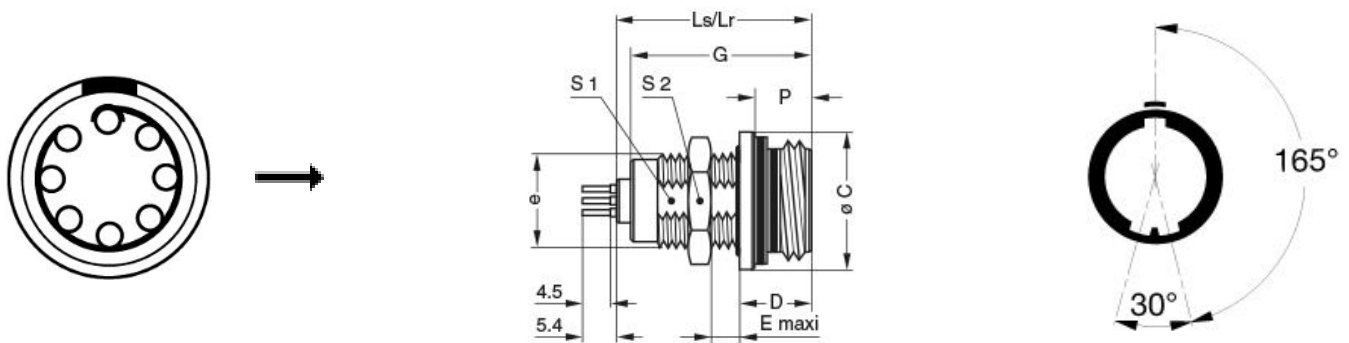
Contact Type: Print (straight)
Contact Dia.: 0.9 mm (0.035in)
R (max): 4.8 mOhm
Test voltage (kV rms) Contact-contact: 1.95
Test voltage (kV rms) Contact-shell: 1.1

Others

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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

| | C | D | E | G | Lr | Ls | P | S1 | S2 | e |
|-----|------|------|------|------|------|------|------|------|------|---------|
| mm. | 17.2 | 6.8 | 4.5 | 16.8 | 18.3 | 18.3 | 5.3 | 12.5 | 17 | M14x1.0 |
| in. | 0,68 | 0,27 | 0,18 | 0,66 | 0,72 | 0,72 | 0,21 | 0,49 | 0,67 | |

RECOMMENDED BY LEMO

Tools

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Cables

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