

SUMMARY

Wires

| | |
|---------|---|
| Low | 8 |
| High | 0 |
| Coax | 0 |
| Triax | 0 |
| Quad | 0 |
| Fiber | 0 |
| Fluidic | 0 |



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| | |
|------------------|---------------------------------|
| Series | 1M |
| Termination type | Female crimp |
| IP rating | 68 |
| Cable Ø | 4.85 - 9.70 mm |
| Status | active |
| Alternative part | |
| Matching parts | FMU.1M.308.XLCT |

TECHNICAL DETAILS

Mechanics

| | |
|-------------------|--|
| Shell Style/Model | PE*: Fixed receptacle, nut fixing and mold stop |
| Keying | 3 keys (beta=130, gamma=100, plug: male contacts, receptacle: female contacts) |
| Housing Material | Aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass |
| Variant | |
| Weight | 8.57 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) |

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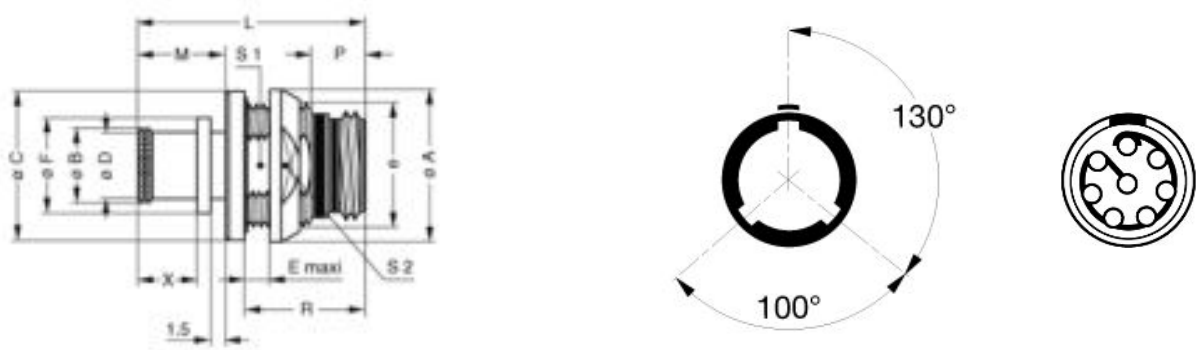
Min. Conductor: 0.14 mm² (AWG 26)
Max. Conductor: 0.34 mm² (AWG 22)
R (max): 6.1 mOhm
Test voltage (kV rms) Contact-contact: 1.3
Test voltage (kV rms) Contact-shell: 1.1

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
IP Rating: 68

DRAWINGS

Draws



Dimensions

| | A | B | C | D | E | Lr | Ls | M | P | R | S1 | S2 | e |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| mm. | 18 | 10.5 | 17.8 | 9.7 | 5 | 25.6 | 25.6 | 9.7 | 5.3 | 13.8 | 12.5 | 16 | M14x1.00 |
| in. | 0.71 | 0.41 | 0.70 | 0.38 | 0.20 | 1.01 | 1.01 | 0.38 | 0.21 | 0.54 | 0.49 | 0.63 | |

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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: DCM.65.000.4PA

Cables

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