

SUMMARY

Wires

| | |
|---------|---|
| Low | 7 |
| High | 0 |
| Coax | 0 |
| Triax | 0 |
| Quad | 0 |
| Fiber | 0 |
| Fluidic | 0 |



Image is for illustrative purpose only

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| | |
|------------------|--------------------------------|
| Series | 1M |
| Termination type | Male print PCB |
| IP rating | 68 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Alternative part | |
| Matching parts | FMS.1M.307.XLM |

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, anthracite color) shell and nut, other pieces bronze/brass |
| Variant | P : Watertight |
| Weight | 5.32 g |

Performance

| | |
|---------------|------------------------|
| Configuration | 1M.307 : 7 Low Voltage |
| Insulator | L: PEEK |
| Rated Current | 7.0 Amps |

Specifications

| |
|---|
| Contact Type: Print (straight) |
| Contact Dia.: 0.7 mm (0.028in) |
| R (max): 6.1 mOhm |
| Test voltage (kV rms) Contact-contact: 1.45 |

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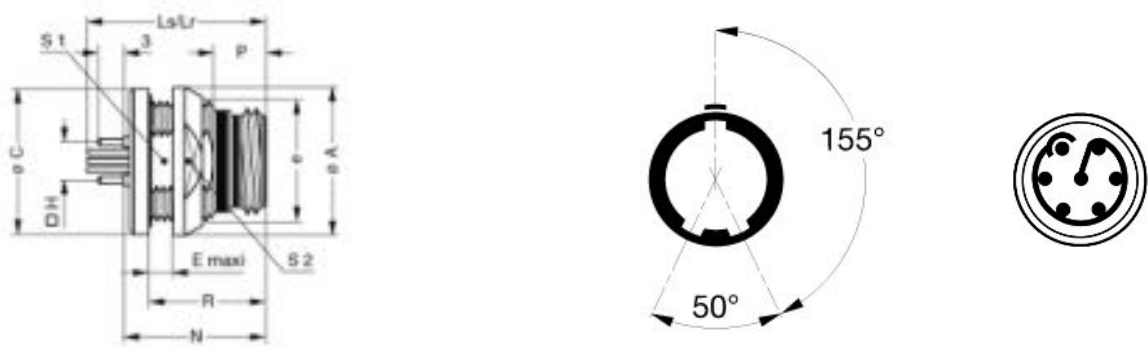
Test voltage (kV rms) Contact-shell: 1.2

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
- IP Rating: 68

DRAWINGS

Draws



Dimensions

| | A | C | E | H | Lr | Ls | N | P | R | S1 | S2 | e |
|-----|------|------|------|------|------|------|------|------|------|------|------|----------|
| mm. | 18 | 17.8 | 5 | 7.62 | 21 | 20.8 | 16.8 | 5.3 | 13.8 | 12.5 | 16 | M14x1.00 |
| in. | 0.71 | 0.70 | 0.20 | 0.30 | 0.83 | 0.82 | 0.66 | 0.21 | 0.54 | 0.49 | 0.63 | |

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Tools

Spanner wrench: DCM.65.000.4PA

Cables

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