

## SUMMARY

### # Wires

|         |    |
|---------|----|
| Low     | 10 |
| High    | 0  |
| Coax    | 0  |
| Triax   | 0  |
| Quad    | 0  |
| Fiber   | 0  |
| Fluidic | 0  |



*Image is for illustrative purpose only*

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|                  |                                |
|------------------|--------------------------------|
| Series           | 2M                             |
| Termination type | Male print PCB                 |
| IP rating        | 68                             |
| Cable Ø          | 0.00 - 0.00 mm                 |
| Status           | active                         |
| Alternative part |                                |
| Matching parts   | <a href="#">FMS.2M.310.XLM</a> |

## 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            | 9.53 g                                                                               |

### Performance

|               |                         |
|---------------|-------------------------|
| Configuration | 2M.310 : 10 Low Voltage |
| Insulator     | L: PEEK                 |
| Rated Current | 8 Amps                  |

### Specifications

|                                            |
|--------------------------------------------|
| Contact Type: Print (straight)             |
| Test voltage (kV rms) Contact-contact: 1.8 |
| Test voltage (kV rms) Contact-shell: 1.2   |

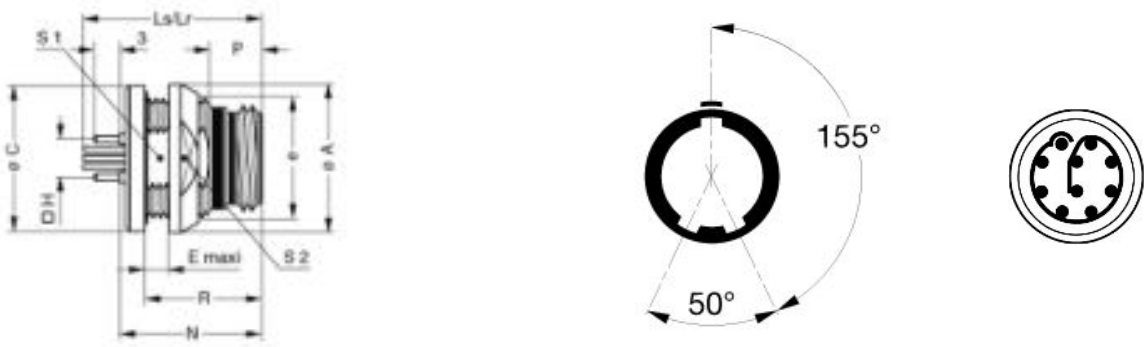
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Others

- 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
- IP Rating: 68

DRAWINGS

Draws



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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## Cables

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