

## SUMMARY

### # Wires

|             |    |
|-------------|----|
| Low voltage | 19 |
|-------------|----|



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 2M                             |
| Termination type | Female print PCB               |
| IP rating        | 68 mated (mating interface)    |
| AWG wire size    | 0.00 - 0.00                    |
| Cable Ø          | 0.00 - 0.00 mm                 |
| Status           | Active                         |
| Matching parts   | <a href="#">FMP.2M.319.XLC</a> |

### Download

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[PCB Eagle Pattern](#)  
[PCB Altium Pattern](#)  
[PCB KiCad Pattern](#)  
[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------|
| Shell Style/Model | EG*: Fixed receptacle, nut fixing, for printed circuit                                                  |
| Keying            | 3 keys (beta=150, gamma=60, 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            | 14.26 g                                                                                                 |

### Performance

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

### Specifications

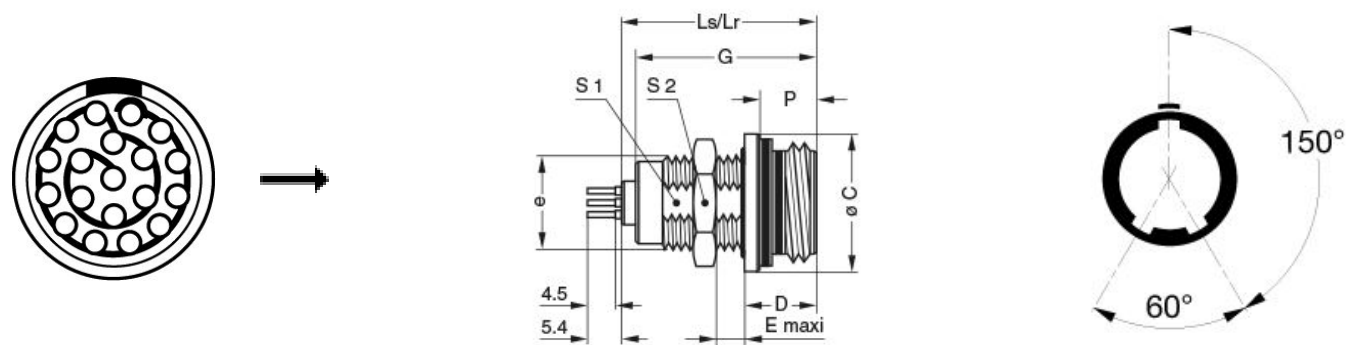
Contact Type: Print (straight)  
Contact Dia.: 0.7 mm (0.028in)  
R (max): 6.1 mOhm  
Test voltage (kV rms) Contact-contact: 1.20  
Test voltage (kV rms) Contact-shell: 1.00

### 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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