

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low voltage 4

|                  |                                |
|------------------|--------------------------------|
| Series           | MM                             |
| Termination type | Female crimp                   |
| IP rating        | 68 when mated                  |
| AWG wire size    | 32.00 - 28.00                  |
| Cable Ø          | 2.80 - 5.60 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">FMN.MM.304.XLC</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | EG*: Fixed receptacle, nut fixing   |
| 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            | 2.91 g  |

### Performance

|               |                        |
|---------------|------------------------|
| Configuration | MM.304 : 4 Low Voltage |
| Insulator     | L: PEEK                |
| Rated Current | 2 Amps                 |

### Specifications

Contact Type: Crimp  
Contact Retention: 12 N  
Contact Dia.: 0.5 mm (0.02in)  
Bucket Dia.: 0.45 mm (0.018in)  
Min. Conductor: 0.035 mm<sup>2</sup> (AWG 32)  
Max. Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
R (max): 8.7 mOhm

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## 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]

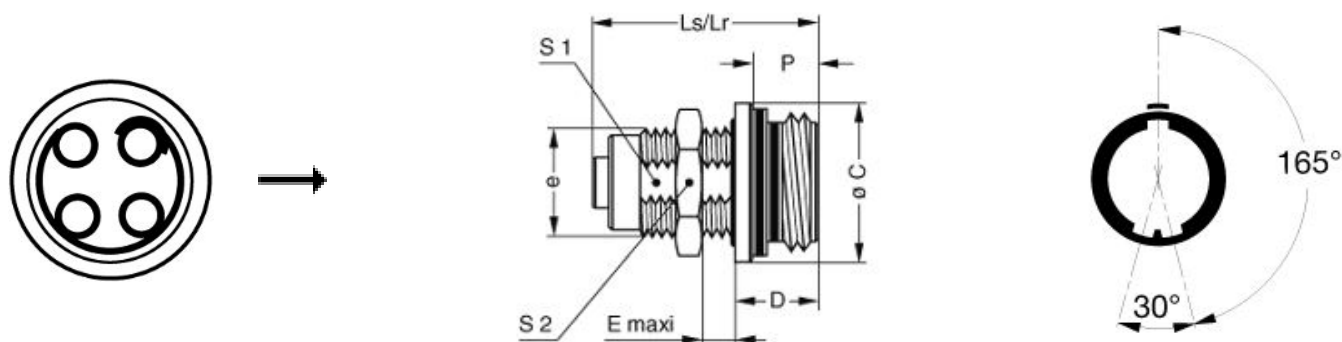
Lighting strike EIA 364-75: 10K amps - 6 times

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

## DRAWINGS



## Dimensions

|     | C    | D    | E    | Ls   | Ls   | P    | S1   | S2   | e      |
|-----|------|------|------|------|------|------|------|------|--------|
| mm. | 10.7 | 5.2  | 4.5  | 15   | 15   | 3.7  | 6.3  | 9    | M7x0.5 |
| in. | 0,42 | 0,20 | 0,18 | 0,59 | 0,59 | 0,15 | 0,25 | 0,35 |        |

## RECOMMENDED BY LEMO

### Tools

Crimp Tool: [DPC.91.701.V](#)

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Crimp settings: AWG/Selector = 28-30-32/4-3-3  
Positionner: [DCE.91.050.0VM](#)  
Extractor: [DCC.05.02B.LAG](#)  
Replacement contact: EGG.00.654.ZZM

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