

## SUMMARY

### # Wires

Low voltage 68



Image is for illustrative purpose only

|                  |                                |
|------------------|--------------------------------|
| Series           | LM                             |
| Termination type | Male crimp                     |
| IP rating        | 68 mated (mating interface)    |
| AWG wire size    | 26.00 - 22.00                  |
| Cable Ø          | 11.35 - 22.70 mm               |
| Status           | active                         |
| Matching parts   | <a href="#">EGW.LM.368.XLM</a> |

### Download

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- [Catalog](#)
- [See video assembly instructions](#)

## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug with arctic grip and mold stop   |
| Keying            | 5 keys (alpha=95, beta=115, gamma=35, delta=25, 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            | 33.54 g   |

### Performance

|               |                                  |
|---------------|----------------------------------|
| Configuration | LM.368 : 68 (0.7 mm) Low Voltage |
| Insulator     | L: PEEK                          |
| Rated Current | 2.5 Amps                         |

### Specifications

Contact Type: Crimp  
Contact Retention: 22 N  
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
Min. Conductor: 0.14 mm<sup>2</sup> (AWG 26)  
Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm

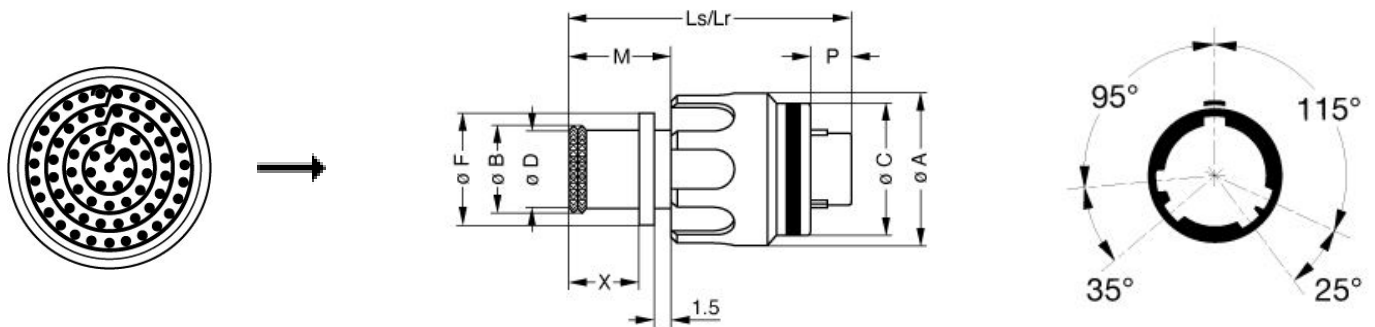
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Test voltage (kV rms) Contact-contact: 1.40  
 Test voltage (kV rms) Contact-shell: 1.65

## 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

|     | A    | B    | C    | D    | F    | Lr   | Ls   | M    | P    | X    |
|-----|------|------|------|------|------|------|------|------|------|------|
| mm. | 29.4 | 23.9 | 28   | 22.7 | 25.8 | 31.6 | 31.6 | 10.6 | 3.4  | 7.6  |
| in. | 1,16 | 0,94 | 1,10 | 0,89 | 1,02 | 1,24 | 1,24 | 0,42 | 0,13 | 0,30 |

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## Tools

Crimp Tool: [DPC.91.701.V](#)  
Crimp settings: AWG/Selector = 22-24-26/6-5-5  
Positionner: [DCE.91.070.5MVC](#)  
Extractor: [DCF.93.070.4LT](#)  
Replacement contact: FGN.0M.555.ZZC

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