

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

|                  |                                 |
|------------------|---------------------------------|
| Series           | 2M                              |
| Termination type | Female crimp                    |
| IP rating        | 68 when mated                   |
| AWG wire size    | 26.00 - 22.00                   |
| Cable Ø          | 6.50 - 13.00 mm                 |
| Status           | active                          |
| Matching parts   | <a href="#">FGN.2M.310.XLBT</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | PH*: Free receptacle with arctic grip and mold stop   |
| 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            | 12.77 g   |

### Performance

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

### Specifications

Contact Type: Crimp  
Test voltage (kV rms) Contact-contact: 1.8  
Test voltage (kV rms) Contact-shell: 1.2

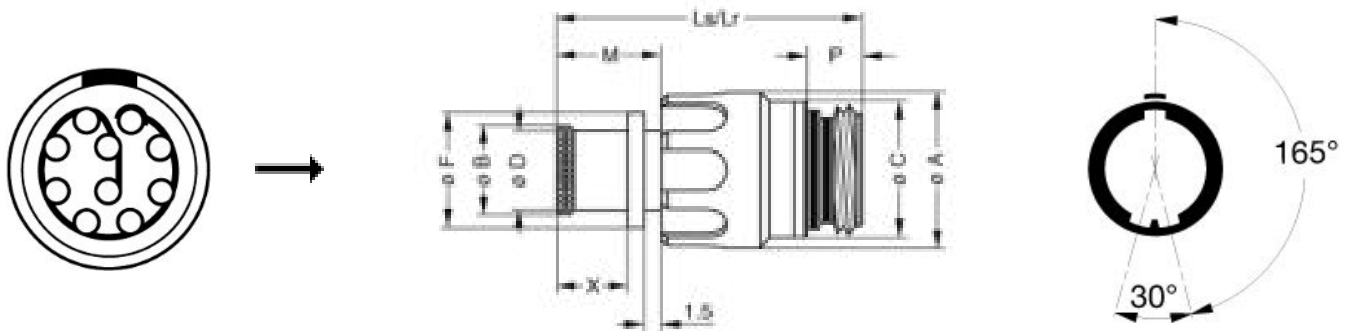
### Others

Endurance (Shell): 3000 mating cycles  
Temp (min / max): -20°C / +200°C

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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. | 18.9 | 14   | 17.2 | 13   | 15.5 | 29   | 29   | 10.1 | 5.3  | 7.1  |
| in. | 0,74 | 0,55 | 0,68 | 0,51 | 0,61 | 1,14 | 1,14 | 0,40 | 0,21 | 0,28 |

## RECOMMENDED BY LEMO

### Tools

Crimp Tool: [DPC.91.701.V](#)  
 Crimp settings: AWG/Selector = 22-24-26/6-5-5  
 Positionner: [DCE.91.090.3MVM](#)

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Extractor: [DCC.09.05B.LAG](#)

Replacement contact: EGN.0M.661.ZZM

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