

## SUMMARY

### # Wires

Low voltage 8



Image is for illustrative purpose only

Series 1B  
Termination type Male crimp  
IP rating 50  
AWG wire size 26.00 - 22.00  
Cable Ø 6.30 - 7.20 mm  
Status active  
Matching parts [EGG.1B.308.CYM](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FD\*: Straight plug, long version, cable collet and nut for fitting a bend relief  
Keying 1 key (alpha=0, plug: male contacts, receptacle: female contacts)  
Housing Material Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces  
Variant Z : Nut for fitting a bend relief

### Performance

Configuration 1B.308 : 8 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 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  
Vtest (contact-shell): 1300 V (AC), 1840 V (DC)

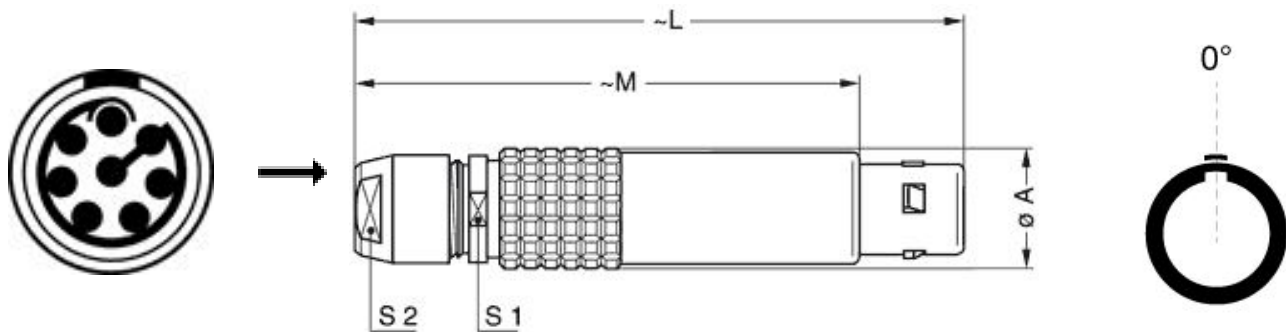
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Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

## Others

Endurance (Shell): 5000  
Temp (min / max): -55 °C / +250 °C  
Humidity (max): <=95% [at 60 deg C / 140 F]  
Vibration: 15 g [10 Hz - 2000 Hz]  
Shock Resistance: 100 g [ 6 ms]  
Climatical Category: 50/175/21  
Shielding (min): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
Salt Spray Corrosion: >1000 hr

## DRAWINGS



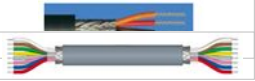
## RECOMMENDED BY LEMO

### Tools

Crimp Tool: [DPC.91.701.V](#)  
Crimp settings: AWG/Selector = 22-24-26/6-5-5  
Positionner: [DCE.91.071.BVC](#)  
Extractor: [DCF.91.070.2LT](#)  
Replacement contact: FGG.1B.555.ZZC  
Spanner wrench: [DCD.1B.015.PA090](#)

### Cables

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|        |     |       |   |
|--------|-----|-------|---|
| 108220 | PVC | Black |  |
| 280250 | PVC | Grey  |   |

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