

## 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   | <a href="#">EGG.1B.308.CYM</a><br><a href="#">PHG.1B.308.CYMD72</a> |

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[See video assembly instructions](#)

## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | FG*: Straight plug, cable collet                                                                                              |
| 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 |
| Weight            | 16.29 g                                                                                                                       |

### 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)

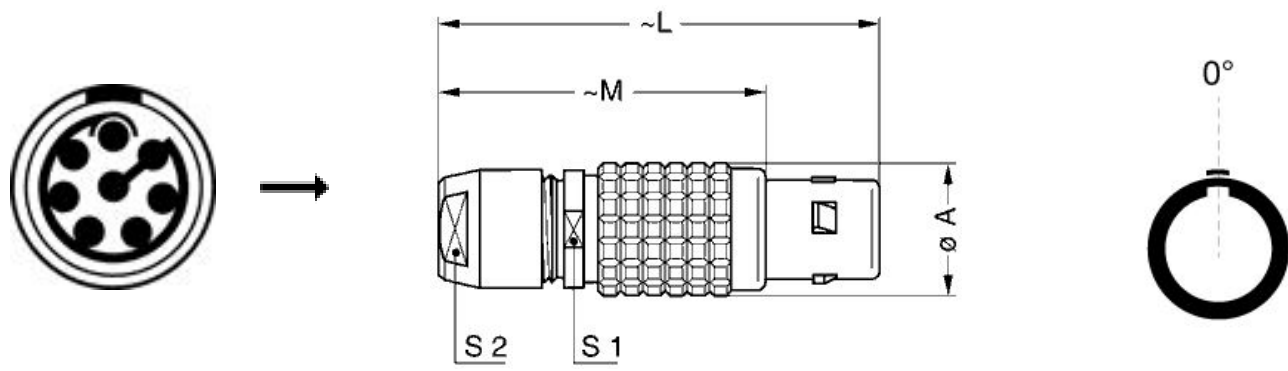
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Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

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



Dimensions

|     | A    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|
| mm. | 12   | 43   | 32   | 10   | 9    |
| in. | 0,47 | 1,69 | 1,26 | 0,39 | 0,35 |

RECOMMENDED BY LEMO

Tools

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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](#)  
Caps: [BFG.1B.100.PCSG](#)

Cables

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

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