

## SUMMARY

### # Wires

Low voltage 8



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 1B                                |
| Termination type | Female crimp                      |
| IP rating        | 50                                |
| AWG wire size    | 26.00 - 22.00                     |
| Cable Ø          | 3.10 - 4.20 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FGG.1B.308.CYCD42</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | PH*: Free receptacle, 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            | 22.00 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)

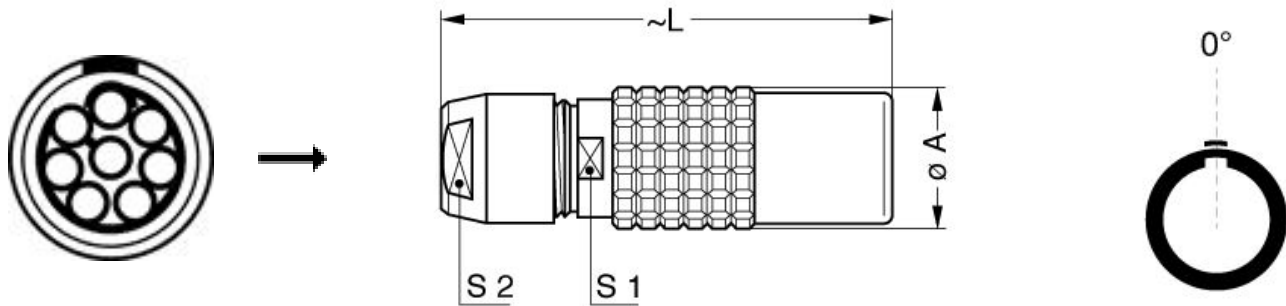
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Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

## 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    | S1   | S2   |
|-----|------|------|------|------|
| mm. | 12.5 | 40.5 | 10   | 9    |
| in. | 0,49 | 1,59 | 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.BVM](#)  
 Extractor: [DCF.91.070.2LT](#)  
 Replacement contact: EGG.1B.655.ZZM  
 Spanner wrench: [DCD.1B.015.PA090](#)

## Cables

|                    |               |       |                                                                                    |
|--------------------|---------------|-------|------------------------------------------------------------------------------------|
| CMN.08.T26.042QGZE | TPR (medical) | Grey  |  |
| 8050               | PVC           | Black |  |

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