

## SUMMARY

### # Wires

Low voltage 8



*Image is for illustrative purpose only*

|                  |                                    |
|------------------|------------------------------------|
| Series           | 1B                                 |
| Termination type | Female solder                      |
| IP rating        | 50                                 |
| AWG wire size    | 30.00 - 22.00                      |
| Cable Ø          | 6.30 - 7.20 mm                     |
| Status           | active                             |
| Matching parts   | <a href="#">FGB.1B.308.CLAD72Z</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | PH*: Free receptacle, cable collet and nut for fitting a bend relief  |
| Keying            | 2 keys (alpha=60, 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   |
| Weight            | 20.13 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1B.308 : 8 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 5 Amps                    |

### Specifications

Contact Type: Solder  
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm

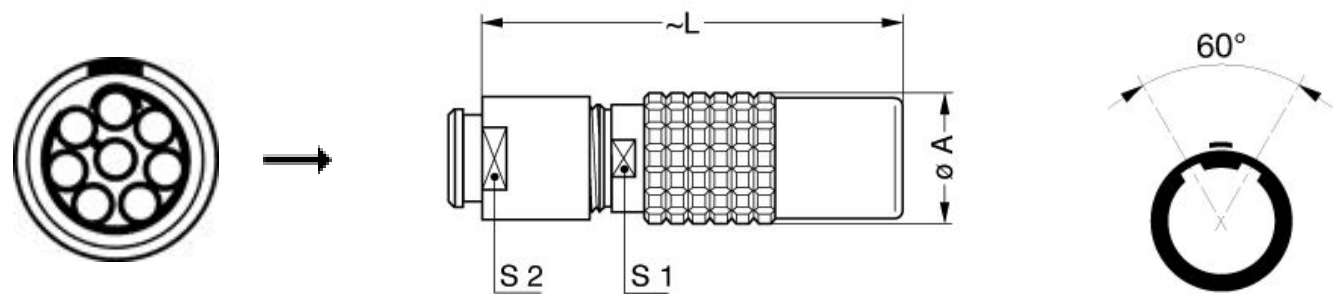
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Vtest (contact-shell): 1150 V (AC), 1630 V (DC)  
Vtest (contact-contact): 950 V (AC), 1340 V (DC)

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 | 39.5 | 10   | 9    |
| in. | 0,49 | 1,56 | 0,39 | 0,35 |

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Tools

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Spanner wrench: [DCD.1B.015.PA090](#)

Cables

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

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