

## SUMMARY

### # Wires

Low voltage 3



*Image is for illustrative purpose only*

Series 1B  
Termination type Female solder  
IP rating 50  
AWG wire size 28.00 - 20.00  
Cable Ø 4.30 - 5.20 mm  
Status active

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FG\*: Straight plug, cable collet and nut for fitting a bend relief  
Keying 2 keys (gamma=80, plug: female contacts, receptacle: male 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 16.35 g

### Performance

Configuration 1B.303 : 3 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 12 Amps

### Specifications

Contact Type: Solder  
Contact Dia.: 1.3 mm (0.051in)  
Bucket Dia.: 1 mm (0.039in)  
Max. Solid Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
Max. Stranded Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 3.6 mOhm

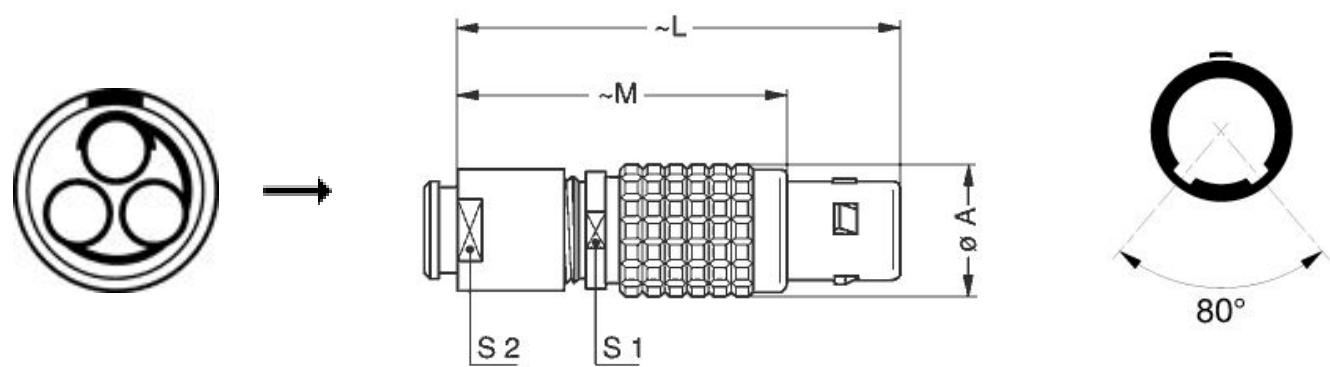
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Vtest (contact-shell): 1550 V (AC), 2200 V (DC)  
Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

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   | 42   | 31   | 10   | 9    |
| in. | 0,47 | 1,65 | 1,22 | 0,39 | 0,35 |

RECOMMENDED BY LEMO

Tools

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

Cables

|                    |     |       |                                                                                     |
|--------------------|-----|-------|-------------------------------------------------------------------------------------|
| CMN.03.T20.049PGZE |     | Grey  |  |
| CMN.03.T20.049PNZE |     |       |  |
| 130240             | PVC | Black |  |
| 130250             | PVC | Grey  |  |
| 30260              | PVC | Black |  |
| 3220               | PVC | Black |  |
| 60080              | PVC | Grey  |                                                                                     |

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