

## SUMMARY

### # Wires

|             |   |
|-------------|---|
| Low voltage | 2 |
|-------------|---|



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 3B                                |
| Termination type | Female solder                     |
| IP rating        | 50                                |
| AWG wire size    | 18.00 - 10.00                     |
| Cable Ø          | 10.80 - 11.90 mm                  |
| Status           | active                            |
| Matching parts   | <a href="#">FGG.3B.302.CLAD12</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            | 55.31 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 3B.302 : 2 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 35 Amps                   |

### Specifications

Contact Type: Solder  
Contact Dia.: 3 mm (0.118in)  
Bucket Dia.: 2.7 mm (0.106in)  
Max. Solid Conductor: 4 mm<sup>2</sup> (AWG 10)  
Max. Stranded Conductor: 4 mm<sup>2</sup> (AWG 12)  
R (max): 3.1 mOhm  
Vtest (contact-shell): 1500 V (AC), 2120 V (DC)  
Vtest (contact-contact): 2100 V (AC), 2970 V (DC)

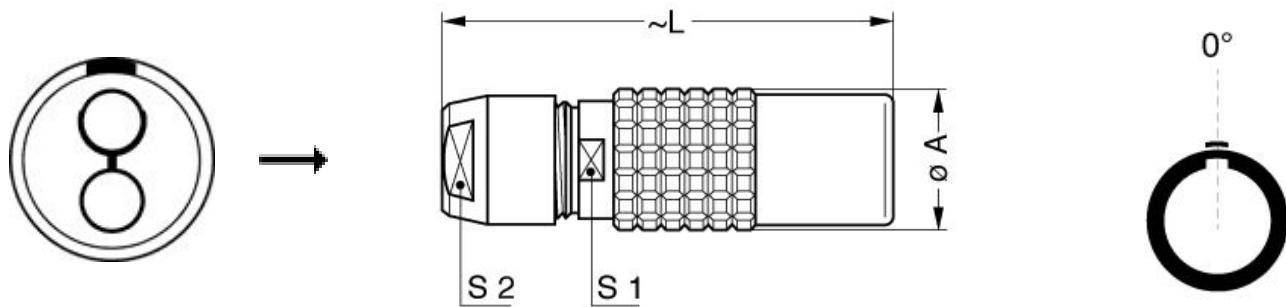
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## Others

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

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## DRAWINGS



## Dimensions

|     | A    | L    | S1   | S2   |
|-----|------|------|------|------|
| mm. | 19   | 56   | 15   | 14   |
| in. | 0,75 | 2,20 | 0,59 | 0,55 |

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## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.3B.040.PA140](#)

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