

## 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                            |
| Matching parts   | <a href="#">FGG.1B.303.CLAD52</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | PK*: Fixed receptacle, nut fixing, 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            | 17.30 g   |

### Performance

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

### Specifications

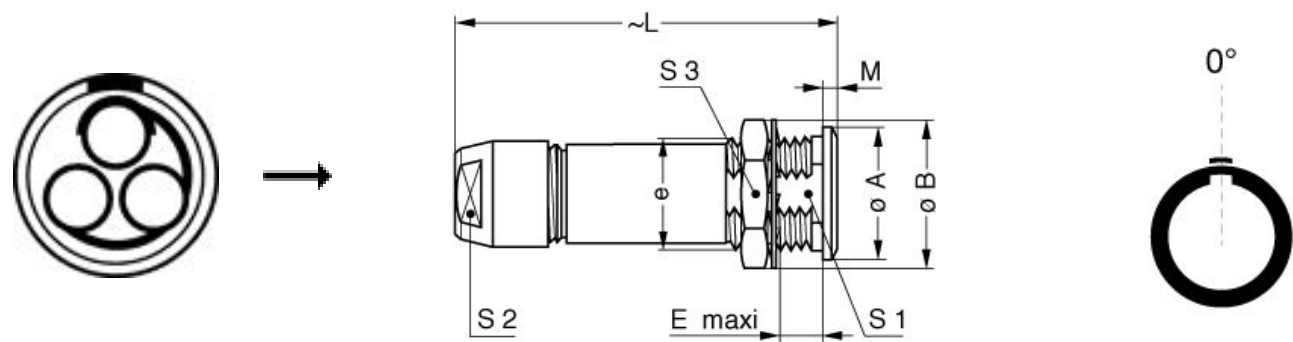
Contact Type: Solder  
Contact Dia.: 1.3 mm (0.051in)  
Bucket Dia.: 1 mm (0.039in)  
Max. Solid Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
Max. Stranded Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 3.6 mOhm  
Vtest (contact-shell): 1550 V (AC), 2200 V (DC)  
Vtest (contact-contact): 1300 V (AC), 1840 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

DRAWINGS



Dimensions

|     | A    | B    | E    | L    | M    | S1   | S2   | S3   | e       |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 14   | 15.8 | 7.5  | 40.5 | 1.5  | 10.5 | 9    | 14   | M12x1.0 |
| in. | 0,55 | 0,62 | 0,30 | 1,59 | 0,06 | 0,41 | 0,35 | 0,55 |         |

RECOMMENDED BY LEMO

Tools

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

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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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