

## SUMMARY

### # Wires

Low voltage 7



Image is for illustrative purpose only

|                  |                                    |
|------------------|------------------------------------|
| Series           | 1B                                 |
| Termination type | Female solder                      |
| IP rating        | 50                                 |
| AWG wire size    | 30.00 - 22.00                      |
| Cable Ø          | 0.00 - 0.00 mm                     |
| Status           | Active                             |
| Matching parts   | <a href="#">FGG.1B.307.CLAD52Z</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | EC*: Fixed receptacle with two nuts (back panel mounting)   |
| 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            | 10.46 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1B.307 : 7 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 7 Amps                    |

### Specifications

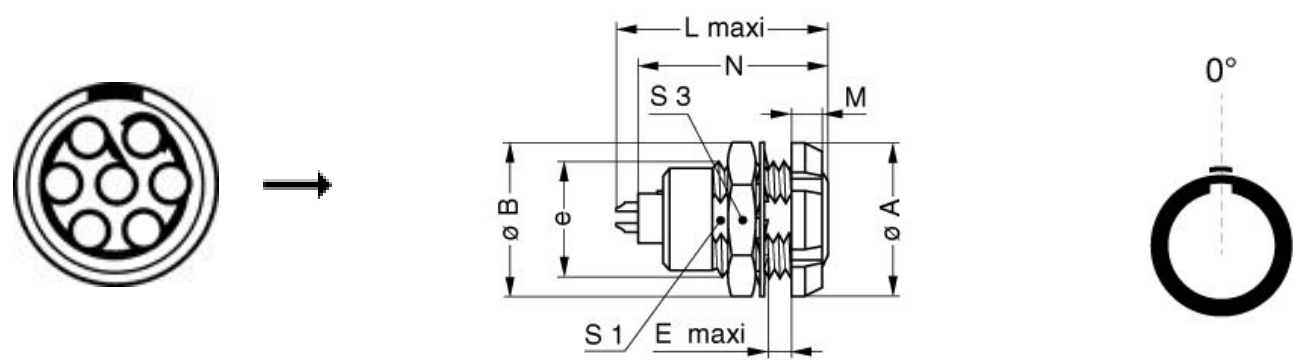
Contact Type: Solder  
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm  
Vtest (contact-shell): 1050 V (AC), 1490 V (DC)  
Vtest (contact-contact): 950 V (AC), 1340 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    | N    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 16   | 15.8 | 6    | 23   | 3.5  | 21.1 | 10.5 | 14   | M12x1.0 |
| in. | 0,63 | 0,62 | 0,24 | 0,91 | 0,14 | 0,83 | 0,41 | 0,55 |         |










RECOMMENDED BY LEMO

Tools

- Spanner 2: [DCH.91.161.PA](#)  
Spanner wrench: [Socket for torque wrench DCM.15.M12.4](#)

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## Cables

|                    |               |       |   |
|--------------------|---------------|-------|---|
| CMN.07.T26.037QGZE | TPR (medical) | Grey  |  |
| CMN.07.T28.044PGZE |               | Grey  |  |
| CMN.07.T28.044PNZE |               |       |  |
| 270250             | PVC           | Grey  |  |
| 70140              | PVC           | Grey  |  |
| 7041               | PVC           | Grey  |   |
| 7050               | PVC           | Black |  |
| 717920             | PVC           | Grey  |   |
| CTR.75.030.121875G | PVC           | Grey  |   |

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