

## SUMMARY

### # Wires

Low voltage 5



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 1B                                |
| Termination type | Female solder                     |
| IP rating        | 50                                |
| AWG wire size    | 30.00 - 22.00                     |
| Cable Ø          | 4.30 - 5.20 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FGG.1B.305.CLAD52</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            | 20.08 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1B.305 : 5 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 9 Amps                    |

### Specifications

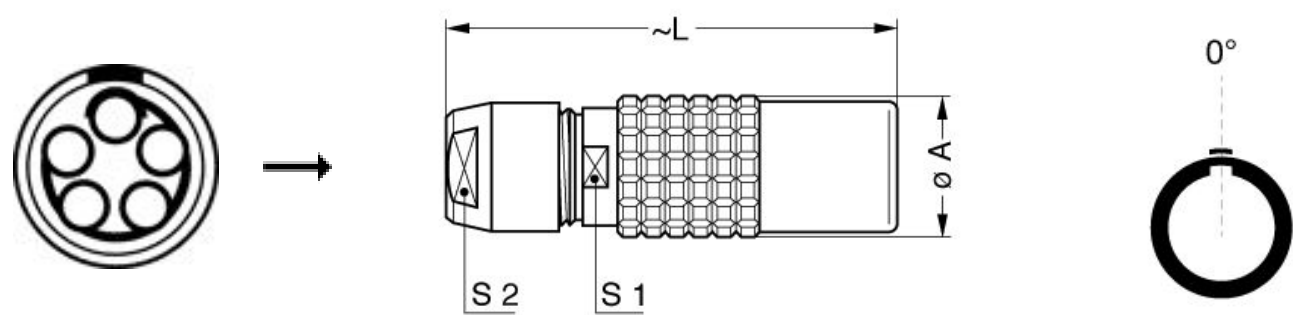
|                          |                               |
|--------------------------|-------------------------------|
| Contact Type:            | Solder                        |
| Contact Dia.:            | 0.9 mm (0.035in)              |
| Bucket Dia.:             | 0.8 mm (0.031in)              |
| Max. Solid Conductor:    | 0.34 mm <sup>2</sup> (AWG 22) |
| Max. Stranded Conductor: | 0.34 mm <sup>2</sup> (AWG 22) |
| R (max):                 | 4.8 mOhm                      |
| Vtest (contact-shell):   | 1150 V (AC), 1630 V (DC)      |
| Vtest (contact-contact): | 1250 V (AC), 1770 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    | L    | S1   | S2   |
|-----|------|------|------|------|
| mm. | 12.5 | 40.5 | 10   | 9    |
| in. | 0,49 | 1,59 | 0,39 | 0,35 |

RECOMMENDED BY LEMO

Tools

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

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Cables

|                    |               |       |   |
|--------------------|---------------|-------|---|
| CMN.05.T22.051QGZE | TPR (medical) | Grey  |  |
| 50090              | PVC           | Black |   |
| 50140              | PVC           | Grey  |  |

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