

## SUMMARY

### # Wires

Low voltage 9



*Image is for illustrative purpose only*

|                  |                |
|------------------|----------------|
| Series           | 0B             |
| Termination type | Male solder    |
| IP rating        | 50             |
| AWG wire size    | 34.00 - 28.00  |
| Cable Ø          | 5.30 - 5.60 mm |
| Status           | active         |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | PH*: Free receptacle, cable collet  |
| Keying            | 2 keys (gamma=45, 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 |
| Weight            | 9.81 g  |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 0B.309 : 9 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 2 Amps                    |

### Specifications

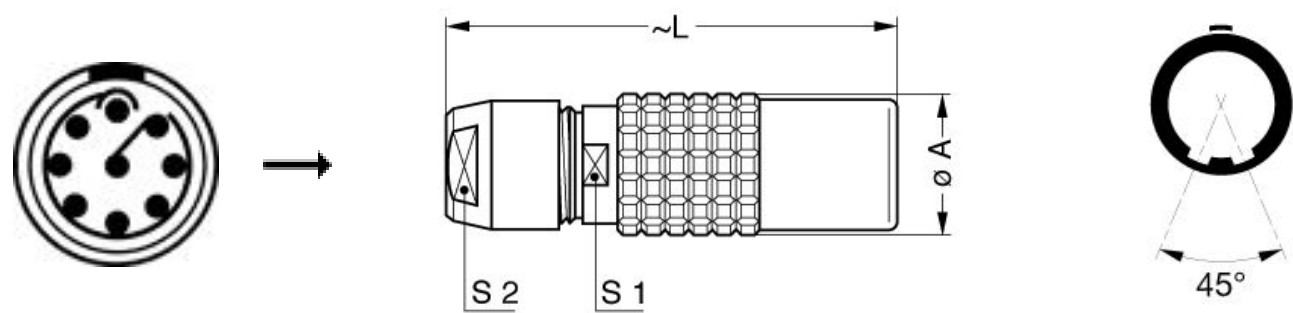
Contact Type: Solder  
Contact Dia.: 0.5 mm (0.02in)  
Bucket Dia.: 0.45 mm (0.018in)  
Max. Solid Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
Max. Stranded Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
R (max): 8.7 mOhm  
Vtest (contact-shell): 500 V (AC), 710 V (DC)  
Vtest (contact-contact): 600 V (AC), 850 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. | 9.5  | 35.5 | 8    | 7    |
| in. | 0,37 | 1,40 | 0,31 | 0,28 |

RECOMMENDED BY LEMO

Tools

Spanner wrench: [DCD.OB.005.PA070](#)

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