

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 1K                             |
| Termination type | Male solder                    |
| IP rating        | 68                             |
| AWG wire size    | 30.00 - 22.00                  |
| Cable Ø          | 7.10 - 7.50 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">EGG.1K.304.CLL</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | FG*: Straight plug with oversize 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            | 35.18 g                                                                                                                       |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1K.304 : 4 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 10 Amps                   |

### Specifications

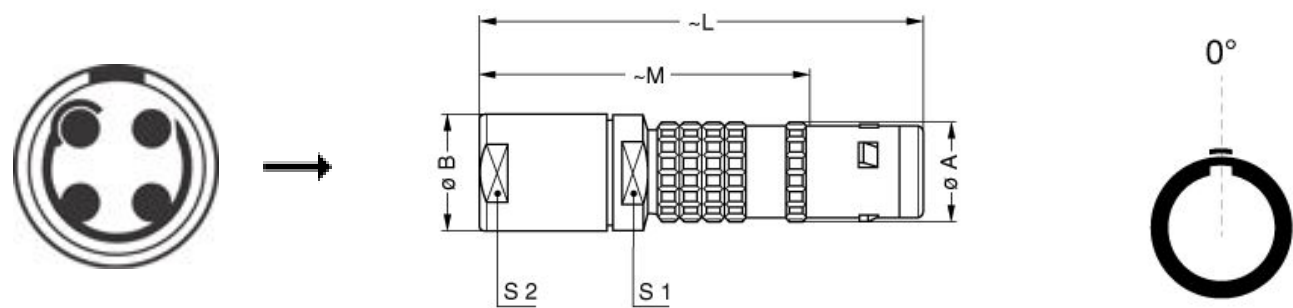
Contact Type: Solder  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1450 V (AC), 2050 V (DC)  
Vtest (contact-contact): 1350 V (AC), 1910 V (DC)

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Others

Endurance (Shell): 5000 mating cycles  
Temp (min / max): -55°C / +200°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): 95 dB (10 MHz)  
Shielding (min): 80 dB (1 GHz)  
Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

|     | A    | B    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|------|
| mm. | 13   | 14.5 | 60   | 46   | 12   | 12   |
| in. | 0,51 | 0,57 | 2,36 | 1,81 | 0,47 | 0,47 |

RECOMMENDED BY LEMO

Tools

- Spanner wrench: [DCD.1E.008.PA090](#)  
Caps: [BFG.1K.100.NAS](#)

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