

## SUMMARY

### # Wires

Low voltage 3



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 1K                             |
| Termination type | Male solder                    |
| IP rating        | 68                             |
| AWG wire size    | 28.00 - 20.00                  |
| Cable Ø          | 6.10 - 6.50 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">EGG.1K.303.CLL</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug, cable collet and nut for fitting a bend relief  |
| 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            | 22.63 g   |

### Performance

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

### Specifications

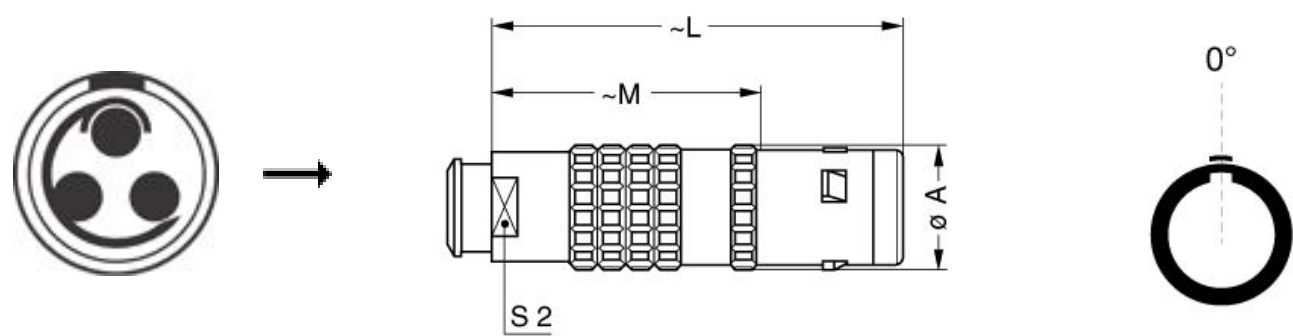
|                          |                              |
|--------------------------|------------------------------|
| Contact Type:            | Solder                       |
| Contact Dia.:            | 1.3 mm (0.051in)             |
| Bucket Dia.:             | 1 mm (0.039in)               |
| 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 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    | L    | M    | S2   |
|-----|------|------|------|------|
| mm. | 13   | 42   | 28   | 9    |
| in. | 0,51 | 1,65 | 1,10 | 0,35 |

RECOMMENDED BY LEMO

Tools

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

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Cables

|        |     |      |  |
|--------|-----|------|--|
| 230750 | PVC | Grey |  |
|--------|-----|------|--|

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