

SUMMARY

Wires

Low voltage 10



Image is for illustrative purpose only

| | |
|------------------|---------------------------------|
| Series | 1K |
| Termination type | Female solder |
| IP rating | 68 |
| AWG wire size | 34.00 - 28.00 |
| Cable Ø | 6.10 - 6.50 mm |
| Status | active |
| Matching parts | FGG.1K.310.CL65 |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | PH*: Free receptacle, 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 |

Performance

| | |
|---------------|---------------------------|
| Configuration | 1K.310 : 10 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 2.5 Amps |

Specifications

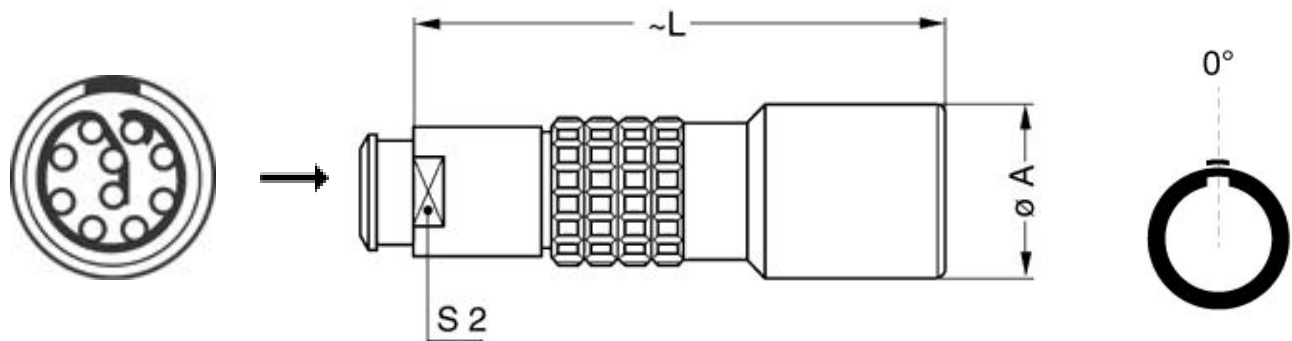
| |
|--|
| Contact Type: Solder |
| Contact Dia.: 0.5 mm (0.02in) |
| Bucket Dia.: 0.45 mm (0.018in) |
| Max. Solid Conductor: 0.09 mm ² (AWG 28) |
| Max. Stranded Conductor: 0.09 mm ² (AWG 28) |
| R (max): 8.7 mOhm |
| Vtest (contact-shell): 1500 V (AC), 2150 V (DC) |
| Vtest (contact-contact): 900 V (AC), 1270 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 | S2 |
|-----|------|------|------|
| mm. | 15 | 45 | 9 |
| in. | 0,59 | 1,77 | 0,35 |

RECOMMENDED BY LEMO

Tools

Spanner wrench: [DCD.1E.008.PA090](#)

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