

## SUMMARY

### # Wires

|         |   |
|---------|---|
| Low     | 8 |
| High    | 0 |
| Coax    | 0 |
| Triax   | 0 |
| Quad    | 0 |
| Fiber   | 0 |
| Fluidic | 0 |



*Image is for illustrative purpose only*

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|                  |                |
|------------------|----------------|
| Series           | 1K             |
| Termination type | Male solder    |
| IP rating        | 68             |
| Cable Ø          | 5.10 - 5.50 mm |
| Matching parts   | EGG.1K.308.CLL |
| Status           | active         |
| Alternative part |                |

## 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) shell and collet nut, nickel plated brass latch sleeve and mid pieces |
| Cable Fixing      | C55: 5.1 - 5.5 mm   |
| Variant           | Z : Nut for fitting a bend relief   |
| Weight            | 23.00 g   |

### Performance

|               |  |
|---------------|--|
| Configuration | 1K.308 : 8 Low Voltage                                   |
| Insulator     | L: PEEK (UL 94 / V-0/3.2, depends on material thickness) |
| Rated Current | 5 Amps   |

### Specifications

|                      |
|----------------------|
| Contact Type: Solder |
| Max. Matings: 5000   |

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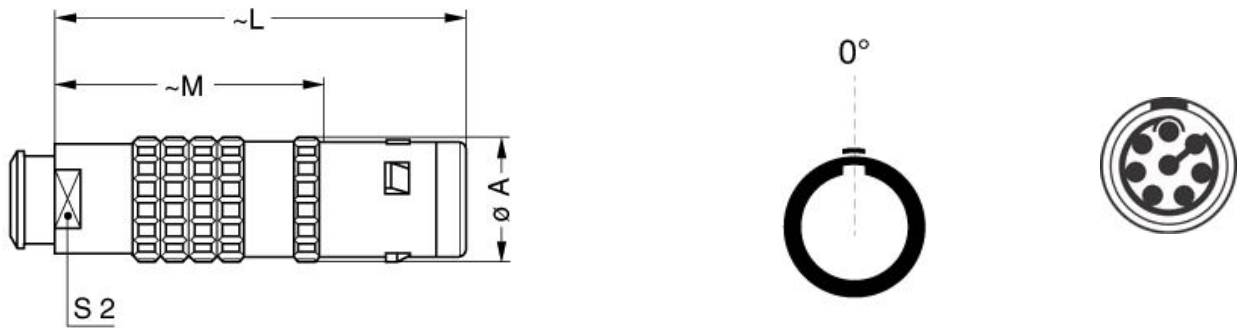
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm  
Vtest (contact-shell): 1150 V (AC), 1630 V (DC)  
Vtest (contact-contact): 950 V (AC), 1340 V (DC)

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]  
Salt Spray Corrosion: >1000 hr  
Climatical Category: 50/175/21  
Shielding (min): 95 dB (10 MHz)  
Shielding (min): 80 dB (1 GHz)  
IP Rating: 68

DRAWINGS

Draws



Dimensions

|     | A    | L    | M    | S2   |
|-----|------|------|------|------|
| mm. | 13   | 42   | 28   | 9    |
| in. | 0,51 | 1,65 | 1,10 | 0,35 |

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# RECOMMENDED BY LEMO

## Tools

Spanner wrench: DCD.1E.008.PA090  
Caps: BFG.1K.100.NAS

## Cables

|         |      |       |   |
|---------|------|-------|---|
| 008 280 | PVC  | Black |  |
| 108 240 | PTFE | White |  |
| 108 260 | PTFE | White |  |

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