

## SUMMARY

### # Wires

|         |   |
|---------|---|
| Low     | 7 |
| High    | 0 |
| Coax    | 0 |
| Triax   | 0 |
| Quad    | 0 |
| Fiber   | 0 |
| Fluidic | 0 |



*Image is for illustrative purpose only*

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|                  |                    |
|------------------|--------------------|
| Series           | 1B                 |
| Termination type | Female solder      |
| IP rating        | 50                 |
| Cable Ø          | 5.30 - 6.20 mm     |
| Matching parts   | FGG.1B.307.CLAD62Z |
| Status           |                    |
| Alternative part |                    |

## 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) shell and collet nut, nickel plated brass latch sleeve and mid pieces |
| Cable Fixing      | D62: 5.3 - 6.2 mm   |
| Variant           | Z : Nut for fitting a bend relief   |

### Performance

|               |  |
|---------------|--|
| Configuration | 1B.307 : 7 Low Voltage                                   |
| Insulator     | L: PEEK (UL 94 / V-0/3.2, depends on material thickness) |
| Rated Current | 7 Amps   |

### Specifications

|                          |                               |
|--------------------------|-------------------------------|
| Contact Type:            | Solder                        |
| Max. Matings:            | 5000                          |
| Contact Dia.:            | 0.7 mm (0.028in)              |
| 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) |

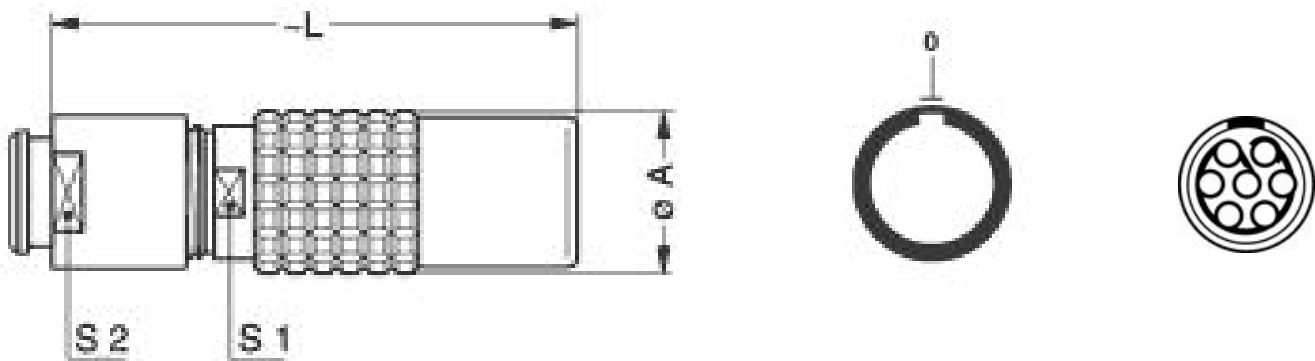
R (max): 6.1 mOhm  
Vtest (contact-shell): 1050 V (AC), 1490 V (DC)  
Vtest (contact-contact): 950 V (AC), 1340 V (DC)

## Others

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]  
Salt Spray Corrosion: >1000 hr  
Climatical Category: 50/175/21  
Shielding (min): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
IP Rating: 50

## DRAWINGS

### Draws



### Dimensions

|     | A    | L    | S1   | S2   |
|-----|------|------|------|------|
| mm. | 12.5 | 39.5 | 10   | 9    |
| in. | 0,49 | 1,56 | 0,39 | 0,35 |

## RECOMMENDED BY LEMO

### Tools

Spanner wrench: DCD.1B.015.PA090

## Cables

|                    |     |       |   |
|--------------------|-----|-------|---|
| CMN.07.T22.055PGCE | PVC | GREY  |  |
| CMN.07.T22.055PGZE |     | Grey  |  |
| CMN.07.T22.055PNCE | PVC | Black |  |
| CMN.07.T22.055PNZE |     |       |  |
| 270 250            | PVC | Grey  |  |