

## SUMMARY

### # Wires

|         |   |
|---------|---|
| Low     | 6 |
| 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 | Male solder    |
| IP rating        | 50             |
| Cable Ø          | 4.30 - 5.20 mm |
| Matching parts   | EGG.1B.306.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      | D52: 4.3 - 5.2 mm                                                                           |
| Variant           | Z : Nut for fitting a bend relief                                                           |
| Weight            | 15.79 g                                                                                     |

### Performance

|               |                                                          |
|---------------|----------------------------------------------------------|
| Configuration | 1B.306 : 6 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

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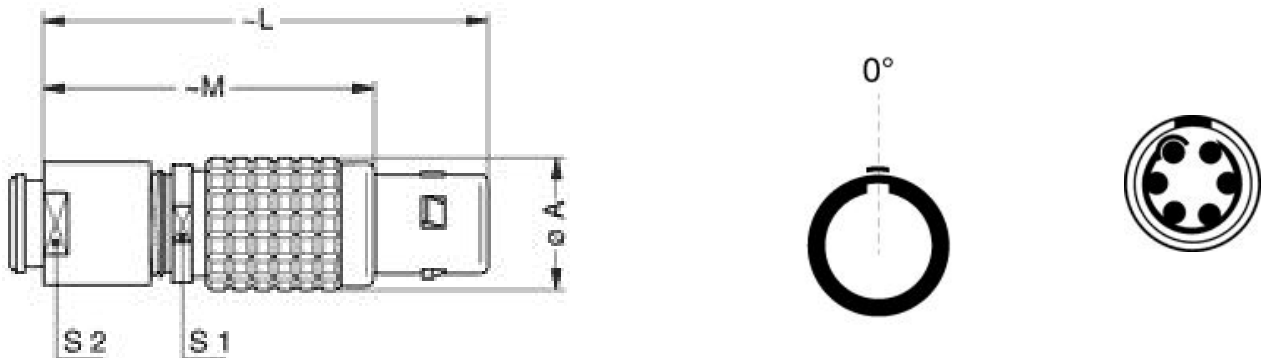
Contact Dia.: 0.7 mm (0.028in)  
 Bucket Dia.: 0.8 mm (0.031in)  
 Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
 Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
 R (max): 6.1 mOhm  
 Vtest (contact-shell): 1200 V (AC), 1700 V (DC)  
 Vtest (contact-contact): 1050 V (AC), 1490 V (DC)

## 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  
 Climatological Category: 50/175/21  
 Shielding (min): 75 dB (10 MHz)  
 Shielding (min): 40 dB (1 GHz)  
 IP Rating: 50

## DRAWINGS

### Draws



### Dimensions

|     | A    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|
| mm. | 12   | 42   | 31   | 10   | 9    |
| in. | 0,47 | 1,65 | 1,22 | 0,39 | 0,35 |

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# RECOMMENDED BY LEMO

## Tools

Spanner wrench: DCD.1B.015.PA090

Caps: BFG.1B.100.PCSG

## Cables

|                    |      |       |                                                                                    |
|--------------------|------|-------|------------------------------------------------------------------------------------|
| CMN.06.T28.044PGCE | PVC  | GREY  |  |
| CMN.06.T28.044PGZE |      | Grey  |  |
| CMN.06.T28.044PNCE | PVC  | Black |  |
| CMN.06.T28.044PNZE |      |       |  |
| 006 280            | PVC  | Black |  |
| 106 240            | PTFE | White |  |
| 160 140            | PVC  | Grey  |  |
| 160 260            | PVC  | Black |  |

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