

## SUMMARY

### # Wires

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



|                  |               |
|------------------|---------------|
| Series           |               |
| Termination type | Male solder   |
| IP rating        | 50            |
| Cable Ø (mm)     | 5.30 - 5.60   |
| Wire size / AWG  | 28.00 - 28.00 |

## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------|
| Shell Style/Model | FN*: Straight plug, cable collet and lanyard release                                        |
| 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      | : 5.3 - 5.6 mm                                                                              |
| Variant           | Z : Nut for fitting a bend relief                                                           |

### Performance

|               |                        |
|---------------|------------------------|
| Configuration | 0B.307 : 7 Low Voltage |
| Insulator     | L: PEEK                |
| Rated Current | 2.5                    |

### Specifications

|                          |                               |
|--------------------------|-------------------------------|
| Contact Type:            | Solder                        |
| Max. Matings:            | 5000                          |
| Contact Dia.:            | 0.5 mm (0.02in)               |
| Bucket Dia.:             | 0.45 mm (0.018in)             |
| Max. Solid Conductor:    | 0.09 mm <sup>2</sup> (AWG 28) |
| Max. Stranded Conductor: | 0.09 mm <sup>2</sup> (AWG 28) |
| R (max):                 | 8.7 mOhm                      |
| Vtest (contact-shell):   | 700 V (AC), 990 V (DC)        |
| Vtest (contact-contact): | 800 V (AC), 1130 V (DC)       |

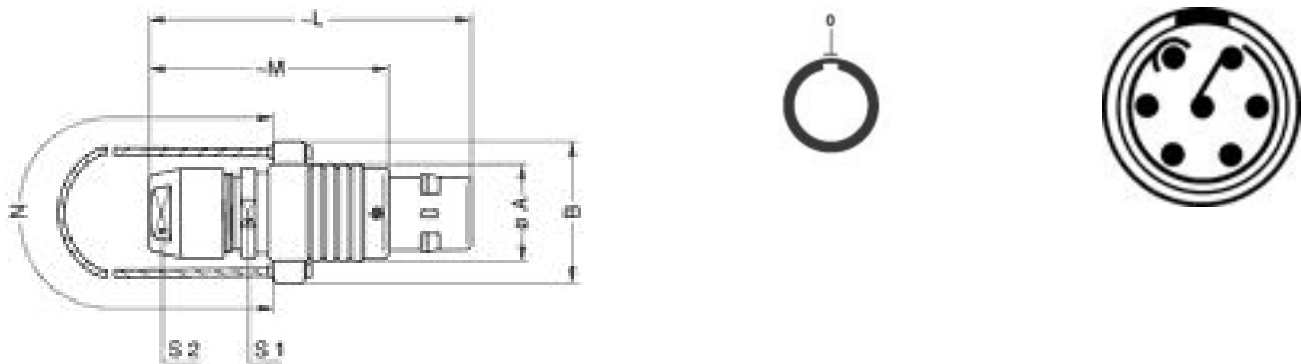
### Others

|                   |                             |
|-------------------|-----------------------------|
| 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: >144 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    | B    | L    | M    | N    | S1   | S2   |
|-----|------|------|------|------|------|------|------|
| mm. | 9.5  | 15.5 | 36   | 26   | 140  | 8    | 7    |
| in. | 0.37 | 0.61 | 1.42 | 1.02 | 5.51 | 0.31 | 0.28 |

# RECOMMENDED BY LEMO

## Tools

Spanner: DCP.91.001.TN

## Cables