

## SUMMARY

### # Wires

|         |   |
|---------|---|
| Low     | 5 |
| High    | 0 |
| Coax    | 0 |
| Triax   | 0 |
| Quad    | 0 |
| Fiber   | 0 |
| Fluidic | 0 |

|                  |                   |
|------------------|-------------------|
| Series           | 0B                |
| Termination type | Male solder       |
| IP rating        | 50                |
| Cable Ø          | 4.30 - 5.20 mm    |
| Matching parts   | FGJ.0B.305.CLLD52 |



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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------|
| Shell Style/Model | PH*: Free receptacle, cable collet and nut for fitting a bend relief                        |
| Keying            | 2 keys ( $\gamma=45$ , plug: female contacts, receptacle: male 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                                                           |

### Performance

|               |                                                          |
|---------------|----------------------------------------------------------|
| Configuration | 0B.305 : 5 Low Voltage                                   |
| Insulator     | L: PEEK (UL 94 / V-0/3.2, depends on material thickness) |
| Rated Current | 6.5 Amps                                                 |

### Specifications

|                                                        |
|--------------------------------------------------------|
| Contact Type: Solder                                   |
| Max. Matings: 5000                                     |
| 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) |
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| R (max): 6.1 mOhm                                      |
| Vtest (contact-shell): 700 V (AC), 1000 V (DC)         |

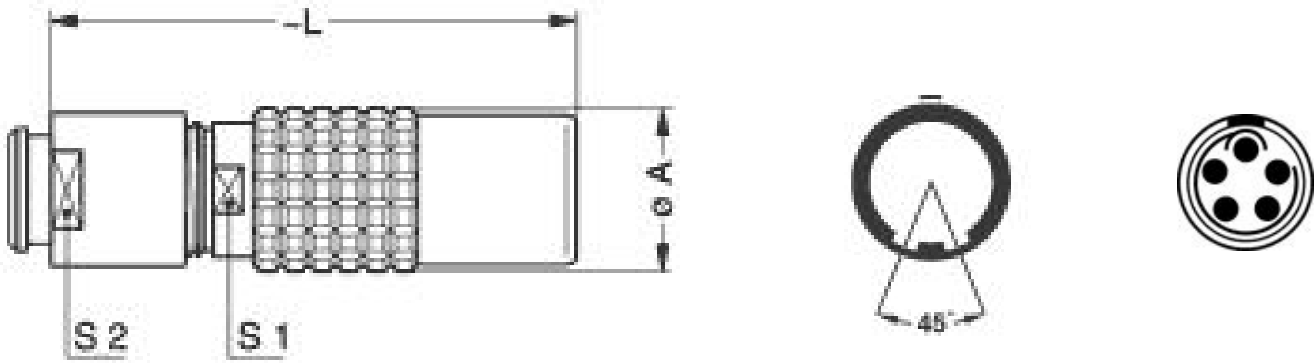
Vtest (contact-contact): 1000 V (AC), 1400 V (DC)

Others

- Endurance (Shell): 5000
- 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. | 9.5  | 34.5 | 8    | 7    |
| in. | 0,37 | 1,36 | 0,31 | 0,28 |

RECOMMENDED BY LEMO

Tools

Spanner wrench: MTZ.0B.045.070

Cables

|                    |               |       |                                                                                     |
|--------------------|---------------|-------|-------------------------------------------------------------------------------------|
| CMN.05.T22.051PGCE | PVC           | GREY  |    |
| CMN.05.T22.051PGZE |               | Grey  |   |
| CMN.05.T22.051PNCE | PVC           | Black |   |
| CMN.05.T22.051PNZE |               |       |   |
| CMN.05.T22.051QGZE | TPR (medical) | Grey  |   |
| 050 090            | PVC           | Black |                                                                                     |
| 050 140            | PVC           | Grey  |  |