

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| Series           | 1B                                                                   |
| Termination type | Male solder                                                          |
| IP rating        | 50                                                                   |
| AWG wire size    | 22.00 - 22.00                                                        |
| Cable Ø          | 4.30 - 5.20 mm                                                       |
| Status           | active                                                               |
| Matching parts   | <a href="#">EGG.1B.304.CLL</a><br><a href="#">PHG.1B.304.CLLD52Z</a> |

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[See video assembly instructions](#)

## 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 |
| Variant           | Z : Nut for fitting a bend relief                                                           |
| Weight            | 15.77 g                                                                                     |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1B.304 : 4 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 10 Amps                   |

### Specifications

|                                                        |
|--------------------------------------------------------|
| Contact Type: Solder                                   |
| Contact Dia.: 0.9 mm (0.035in)                         |
| 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): 4.8 mOhm                                      |
| Vtest (contact-shell): 1450 V (AC), 2050 V (DC)        |

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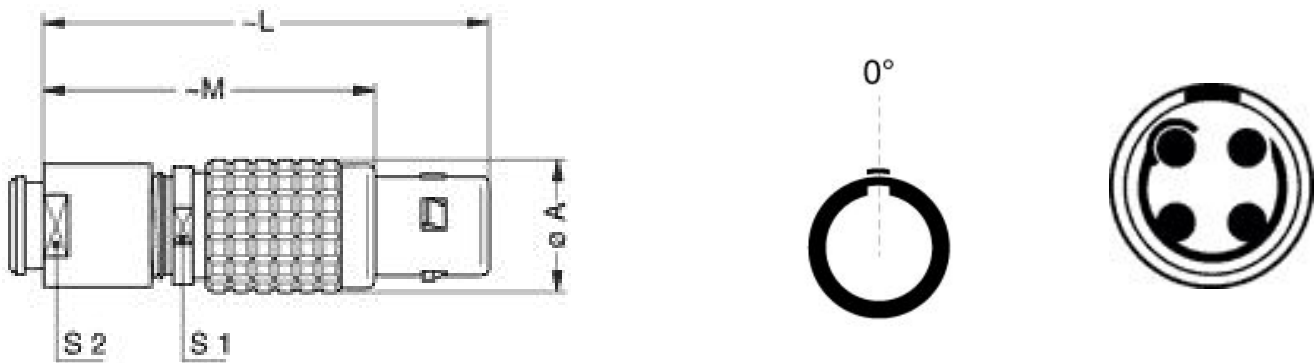
Vtest (contact-contact): 1350 V (AC), 1910 V (DC)

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

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 |

RECOMMENDED BY LEMO

Tools

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Spanner wrench: [DCD.1B.015.PA090](#)

Caps: [BFG.1B.100.PCSG](#)

## Cables

|                    |               |       |                                                                                       |
|--------------------|---------------|-------|---------------------------------------------------------------------------------------|
| CMN.04.T22.047PGCE | PVC           | GREY  |     |
| CMN.04.T22.047PNCE | PVC           | Black |     |
| CMN.04.T22.048QGZE | TPR (medical) | Grey  |    |
| CMN.04.T22.047PGZE |               | Grey  |    |
| CMN.04.T22.047PNZE |               |       |    |
| CMN.04.T22.047QGC  | TPR           | Grey  |                                                                                       |
| 004 080            | PVC           | Grey  |                                                                                       |
| 004 221            | PVC           | Black |    |
| 004 280            | PVC           | Black |    |
| 040 260            | PVC           | Black |    |
| 080 080            | PVC           | Grey  |                                                                                       |
| 080 082            | PVC           | Red   |                                                                                       |
| 080 084            | PVC           | Black |                                                                                       |
| 140 240            | PVC           | Black |  |
| 140 250            | PVC           | Grey  |   |

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