

## SUMMARY

### # Wires

Low voltage 3



*Image is for illustrative purpose only*

|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| Series           | 2B                                                                   |
| Termination type | Male solder                                                          |
| IP rating        | 50                                                                   |
| AWG wire size    | 16.00 - 16.00                                                        |
| Cable Ø          | 5.30 - 6.20 mm                                                       |
| Status           | active                                                               |
| Matching parts   | <a href="#">EGG.2B.303.CLL</a><br><a href="#">PHG.2B.303.CLLD62Z</a> |

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## 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            | 29.65 g                                                                                     |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 2B.303 : 3 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 17 Amps                   |

### Specifications

Contact Type: Solder  
Contact Dia.: 1.6 mm (0.063in)  
Bucket Dia.: 1.4 mm (0.055in)  
Max. Solid Conductor: 1 mm<sup>2</sup> (AWG 16)  
Max. Stranded Conductor: 1 mm<sup>2</sup> (AWG 18)  
R (max): 3.5 mOhm  
Vtest (contact-shell): 1850 V (AC), 2600 V (DC)

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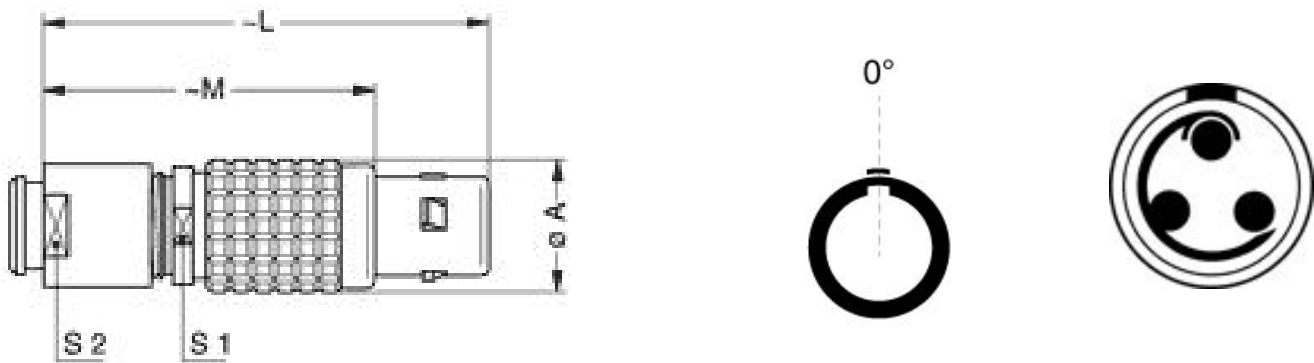
Vtest (contact-contact): 2400 V (AC), 3390 V (DC)

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. | 15   | 49   | 37   | 13   | 12   |
| in. | 0.59 | 1.93 | 1.46 | 0.51 | 0.47 |

RECOMMENDED BY LEMO

Tools

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Spanner wrench: [DCD.2B.025.PA120](#)

Caps: [BFG.2B.100.PCSG](#)

## Cables

|                    |               |       |                                                                                     |
|--------------------|---------------|-------|-------------------------------------------------------------------------------------|
| CMN.03.T18.055PGCE | PVC           | GREY  |   |
| CMN.03.T18.055PGZE |               | Grey  |  |
| CMN.03.T18.055PNCE | PVC           | Black |   |
| CMN.03.T18.055PNZE |               |       |  |
| CMN.03.T18.055QGZE | TPR (medical) | Grey  |  |
| 030 200            | PVC           | Black |  |
| 230 500            | PVC           | Grey  |   |
| 230 750            | PVC           | Grey  |   |

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