

## SUMMARY

### # Wires

Low voltage 16



*Image is for illustrative purpose only*

|                  |                                    |
|------------------|------------------------------------|
| Series           | 2B                                 |
| Termination type | Female solder                      |
| IP rating        | 50                                 |
| AWG wire size    | 30.00 - 22.00                      |
| Cable Ø          | 0.00 - 0.00 mm                     |
| Status           | active                             |
| Matching parts   | <a href="#">FGG.2B.316.CLAD42Z</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | EC*: Fixed receptacle with two nuts (back panel mounting)                                                                     |
| Keying            | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                                                             |
| Housing Material  | Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Weight            | 17.49 g                                                                                                                       |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 2B.316 : 16 Low Voltage   |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 6 Amps                    |

### Specifications

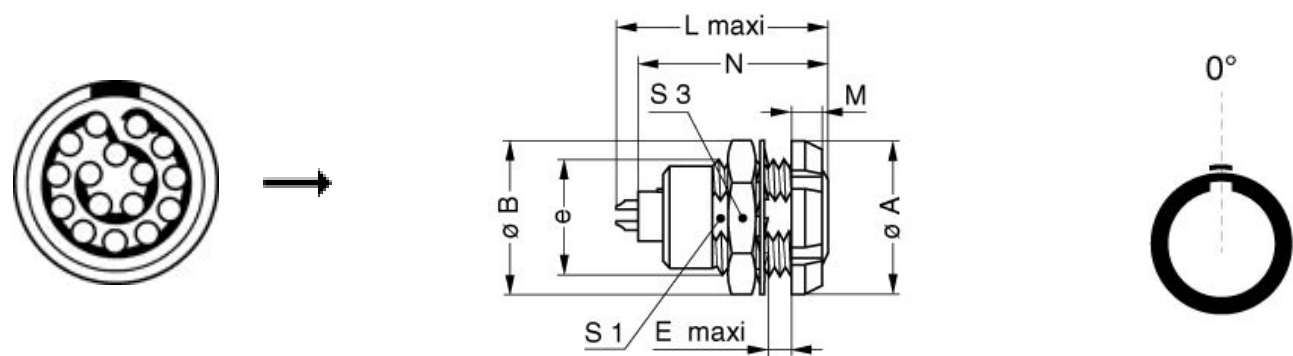
Contact Type: Solder  
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm  
Vtest (contact-shell): 1250 V (AC), 1770 V (DC)  
Vtest (contact-contact): 950 V (AC), 1340 V (DC)

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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



Dimensions

|     | A    | B    | E    | L    | M    | N    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 20   | 19.2 | 6.5  | 26.7 | 3.5  | 24.6 | 13.5 | 17   | M15x1.0 |
| in. | 0,79 | 0,76 | 0,26 | 1,05 | 0,14 | 0,97 | 0,53 | 0,67 |         |

RECOMMENDED BY LEMO

Tools

- Spanner 2: [DCH.91.201.PA](#)
- Spanner wrench: [Socket for torque wrench DCM.65.170.AZ and DCM.2S.M15.6](#)

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## Cables

|                    |               |       |                                                                                     |
|--------------------|---------------|-------|-------------------------------------------------------------------------------------|
| CMN.16.T22.076QGZE | TPR (medical) | Grey  |  |
| CMN.16.T28.059PGZE |               | Grey  |  |
| CMN.16.T28.059PNZE |               |       |  |
| CMN.16.T28.070NNZZ |               |       |                                                                                     |
| CMN.16.T30.047QGZE | TPR (medical) | Grey  |  |
| 116080             | PUR           | Black |                                                                                     |
| 116280             | PVC           | Black |  |
| 16050              | PVC           | Black |  |
| 216220             | PVC           | Black |  |
| 216240             | PVC           | Black |  |
| 216260             | PVC           | Black |  |
| 316250             | PVC           | Grey  |  |

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