

## SUMMARY

### # Wires

Low voltage 8



*Image is for illustrative purpose only*

|                  |                                    |
|------------------|------------------------------------|
| Series           | 1B                                 |
| 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.1B.308.CLAD52Z</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | EE*: Fixed receptacle, nut fixing (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            | 10.57 g                                                                                                                       |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1B.308 : 8 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 5 Amps                    |

### Specifications

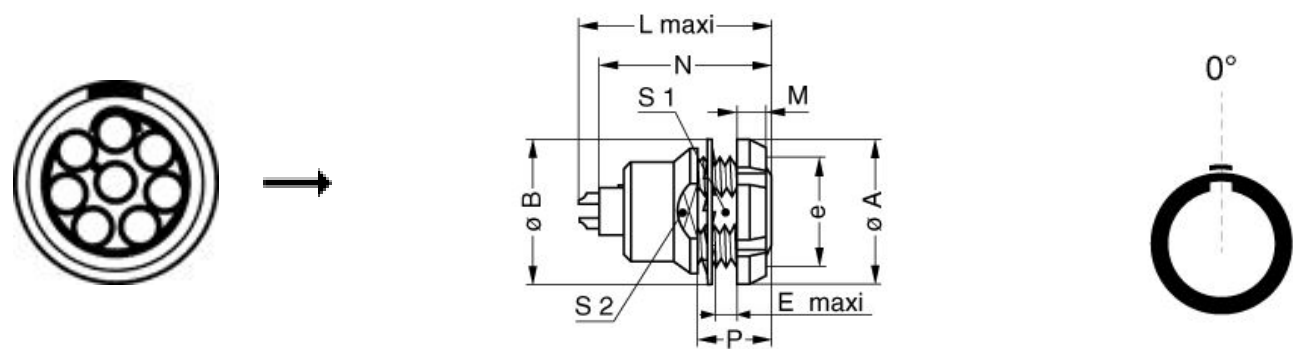
|                          |                               |
|--------------------------|-------------------------------|
| Contact Type:            | Solder                        |
| Contact Dia.:            | 0.7 mm (0.028in)              |
| Bucket Dia.:             | 0.8 mm (0.031in)              |
| 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):   | 1150 V (AC), 1630 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    | P    | S1   | S2   | e       |
|-----|------|------|------|------|------|------|------|------|------|---------|
| mm. | 16   | 16   | 6.5  | 23   | 3.5  | 21.1 | 11   | 10.5 | 13   | M12x1.0 |
| in. | 0,63 | 0,63 | 0,26 | 0,91 | 0,14 | 0,83 | 0,43 | 0,41 | 0,51 |         |

RECOMMENDED BY LEMO

Tools

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## Cables

|                    |               |        |                                                                                      |
|--------------------|---------------|--------|--------------------------------------------------------------------------------------|
| CMN.08.T22.059QGC  | TPR           | Grey   |                                                                                      |
| CMN.08.T22.059QGZE | TPR (medical) | Grey   |   |
| CMN.08.T26.042QGZE | TPR (medical) | Grey   |   |
| 108220             | PVC           | Black  |   |
| 108240             | PTFE          | White  |   |
| 108260             | PTFE          | White  |   |
| 16080              | PVC           | Grey   |                                                                                      |
| 180240             | PVC           | Black  |   |
| 180260             | PVC           | Black  |   |
| 280250             | PVC           | Grey   |   |
| 335990             | PVC           | Black  |    |
| 335991             | PVC           | Black  |    |
| 42265              | PVC           | Yellow |                                                                                      |
| 80140              | PVC           | Grey   |   |
| 8050               | PVC           | Black  |   |
| 8280               | PVC           | Black  |  |

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