

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low voltage 4

|                  |                                   |
|------------------|-----------------------------------|
| 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.304.CLAD62</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | EG*: Fixed receptacle, nut fixing   |
| 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            | 8.77 g  |

### Performance

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

### Specifications

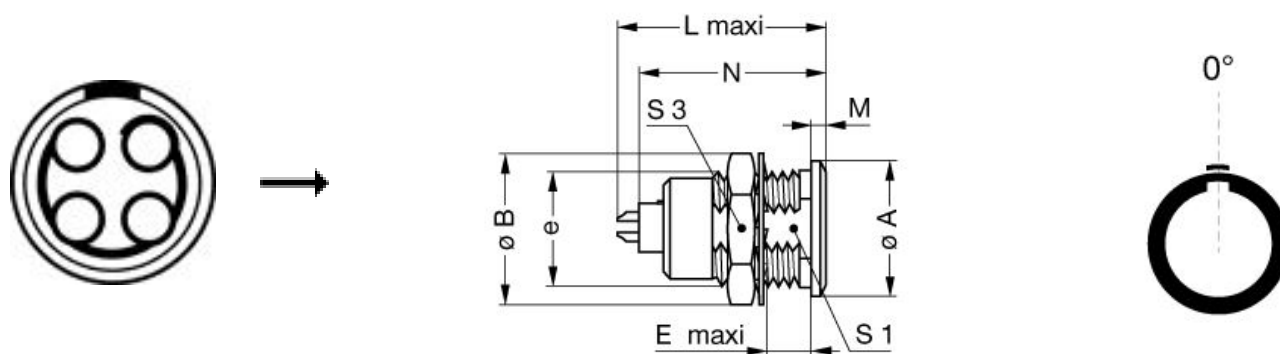
Contact Type: Solder  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1450 V (AC), 2050 V (DC)  
Vtest (contact-contact): 1350 V (AC), 1910 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. | 14   | 16   | 7.5  | 23   | 1.5  | 21.1 | 10.5 | 14   | M12x1.0 |
| in. | 0,55 | 0,63 | 0,30 | 0,91 | 0,06 | 0,83 | 0,41 | 0,55 |         |

## RECOMMENDED BY LEMO

### Tools

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## Cables

|                    |               |       |   |
|--------------------|---------------|-------|---|
| CMN.04.T22.047QGC  | TPR           | Grey  |   |
| CMN.04.T22.048QGZE | TPR (medical) | Grey  |    |
| CMN.04.T28.031PGCE | PVC           | GREY  |     |
| CMN.04.T28.031PGZE |               | Grey  |    |
| CMN.04.T28.031PNCE | PVC           | Black |     |
| CMN.04.T28.031PNZE |               |       |    |
| CMN.04.T28.031QGC  | TPR           | Grey  |   |
| 140240             | PVC           | Black |    |
| 140250             | PVC           | Grey  |     |
| 40080              | PVC           | Black |   |
| 40086              | PVC           | Blue  |   |
| 40140              | PVC           | Black |    |
| 40240              | PTFE          | White |    |
| 40260              | PVC           | Black |    |
| 4041               | PVC           | Grey  |     |
| 4050               | PVC           | Black |   |
| 4080               | PVC           | Grey  |   |
| 417920             | PVC           | Grey  |   |
| 4220               | PVC           | Black |  |
| 4221               | PVC           | Black |  |
| 4260               | PTFE          | White |  |
| 4280               | PVC           | Black |  |
| 80080              | PVC           | Grey  |   |
| 80082              | PVC           | Red   |   |
| 80084              | PVC           | Black |   |
| CTR.75.030.121870G | PVC           | Grey  |   |

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