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# ECG.1B.306.CLL

## SUMMARY

### # Wires

| | |
|---|---|
| **Low voltage** | **6** |

*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** | FGG.1B.306.CLAD42Z |

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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** | 10.32 g |

### Performance

| | |
|---|---|
| **Configuration** | 1B.306 : 6 Low Voltage |
| **Insulator** | L: PEEK (UL 94 / V-0/1.5) |
| **Rated Current** | 7 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^2 (AWG 22)
Max. Stranded Conductor: 0.34 mm^2 (AWG 22)
R (max): 6.1 mOhm
Vtest (contact-shell): 1200 V (AC), 1700 V (DC)
Vtest (contact-contact): 1050 V (AC), 1490 V (DC)

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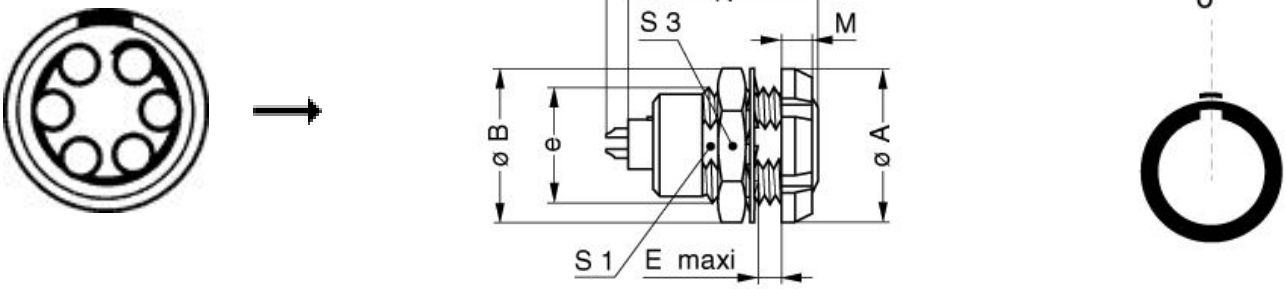
### Others

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. | 16 | 15.8 | 6 | 23 | 3.5 | 21.1 | 10.5 | 14 | M12x1.0 |
| in. | 0,63 | 0,62 | 0,24 | 0,91 | 0,14 | 0,83 | 0,41 | 0,55 | |

## RECOMMENDED BY LEMO

### Tools

Spanner 2: DCH.91.161.PA

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## Cables

| | | | |
|---|---|---|---|
| CMN.06.T26.037QGZE | TPR (medical) | Grey | |
| CMN.06.T28.031PGCE | PVC | GREY | |
| CMN.06.T28.031PGZE | | Grey | |
| CMN.06.T28.031PNCE | PVC | Black | |
| CMN.06.T28.031PNZE | | | |
| CMN.06.T28.042QBCE | TPR (medical) | | |
| CMN.06.T28.044PGZE | | Grey | |
| CMN.06.T28.044PNZE | | | |
| 106220 | PVC | Black | |
| 106240 | PTFE | White | |
| 12080 | PVC | Grey | |
| 160140 | PVC | Grey | |
| 160240 | PVC | Black | |
| 160260 | PVC | Black | |
| 260250 | PVC | Grey | |
| 60260 | PTFE | White | |
| 6280 | PVC | Black | |

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