

SUMMARY



Image is for illustrative purpose only

Wires

Low voltage 10

| | |
|------------------|------------------------------------|
| Series | 1B |
| Termination type | Female solder |
| IP rating | 50 |
| AWG wire size | 34.00 - 28.00 |
| Cable Ø | 0.00 - 0.00 mm |
| Status | active |
| Matching parts | FGG.1B.310.CLAD52Z |

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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 | 10.24 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 1B.310 : 10 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 2.5 Amps |

Specifications

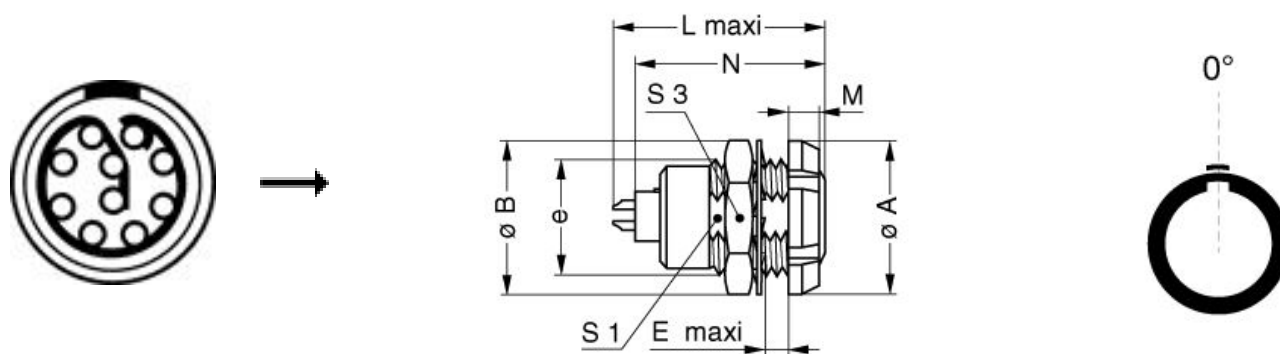
Contact Type: Solder
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Max. Solid Conductor: 0.09 mm² (AWG 28)
Max. Stranded Conductor: 0.09 mm² (AWG 28)
R (max): 8.7 mOhm
Vtest (contact-shell): 1500 V (AC), 2120 V (DC)
Vtest (contact-contact): 900 V (AC), 1270 V (DC)

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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.10.T28.052PGZE | | Grey |  |
| CMN.10.T28.052PNZE | | |  |
| CMN.10.T28.053QGZE | TPR (medical) | Grey |  |
| 110280 | PVC | Black |  |

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[FGJ.1B.304.CLLD76](#) [FGJ.1B.306.CWLD72](#) [FGJ.3B.304.CYMD10Z](#) [FGJ.3B.304.CYMD82Z](#) [PCS.01.250.DLLE24](#) [PHG.0K.305.CYMC40Z](#)
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