

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low voltage 10

Series 3B  
Termination type Male solder  
IP rating 50  
AWG wire size 28.00 - 20.00  
Cable Ø 4.30 - 11.90 mm  
Status active  
Matching parts [FGJ.3B.310.CLLD11](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model EC\*: Fixed receptacle with two nuts (back panel mounting)  
Keying 2 keys (alpha=37.5, plug: female contacts, receptacle: male 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 28.01 g

### Performance

Configuration 3B.310 : 10 Low Voltage  
Insulator L: PEEK (UL 94 / V-0/1.5)  
Rated Current 12 Amps

### Specifications

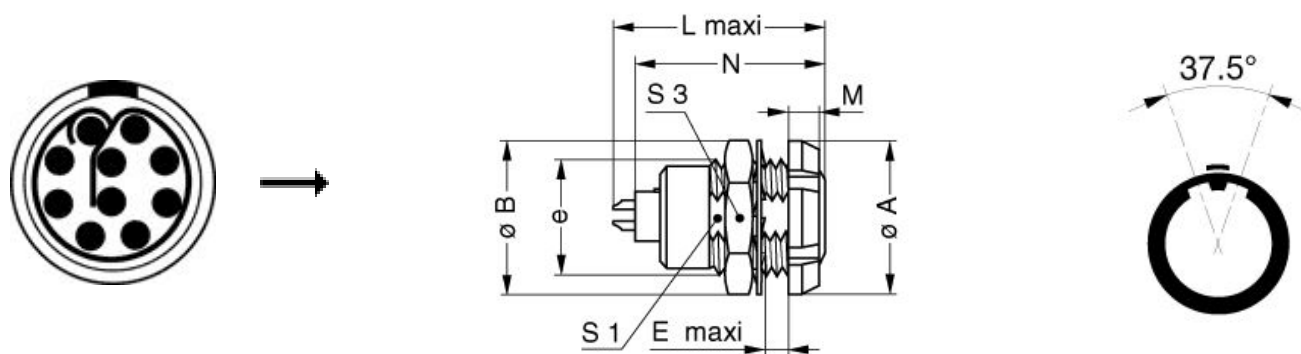
Contact Type: Solder  
Contact Dia.: 1.3 mm (0.051in)  
Bucket Dia.: 1 mm (0.039in)  
Max. Solid Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
Max. Stranded Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 3.6 mOhm  
Vtest (contact-shell): 900 V (AC), 1270 V (DC)  
Vtest (contact-contact): 1250 V (AC), 1770 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. | 24   | 25   | 9    | 30.7 | 4.5  | 28.1 | 16.5 | 22   | M18x1.0 |
| in. | 0,94 | 0,98 | 0,35 | 1,21 | 0,18 | 1,11 | 0,65 | 0,87 |         |

## RECOMMENDED BY LEMO

## Tools

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## Cables

|                    |               |       |   |
|--------------------|---------------|-------|---|
| CMN.10.T20.080PGZE |               | Grey  |    |
| CMN.10.T20.080PNZE |               |       |    |
| CMN.10.T20.080QGC  | TPR           | Grey  |   |
| CMN.10.T22.068QGC  |               |       |   |
| CMN.10.T22.068QGZE | TPR (medical) | Grey  |    |
| CMN.10.T28.052PGZE |               | Grey  |    |
| CMN.10.T28.052PNZE |               |       |    |
| CMN.10.T28.053QGZE | TPR (medical) | Grey  |    |
| 110220             | PVC           | Black |    |
| 110240             | PTFE          | White |    |
| 110260             | PTFE          | White |    |
| 110280             | PVC           | Black |    |
| 210140             | PVC           | Grey  |    |
| 210240             | PVC           | Black |    |
| 210250             | PVC           | Grey  |   |
| 210260             | PVC           | Black |  |

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