

## SUMMARY

### # Wires

Low voltage 3



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 1B                                |
| Termination type | Female print 90° PCB              |
| IP rating        | 50                                |
| AWG wire size    | 28.00 - 20.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FGG.1B.303.CLAD42</a> |

### Download

[Request a quote](#)  
[PCB Eagle Pattern](#)  
[PCB Altium Pattern](#)  
[PCB KiCad Pattern](#)  
[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | EC*: Fixed receptacle with two nuts and elbow contacts for printed circuit (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            | 10.67 g                                                                                                                       |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1B.303 : 3 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current |                           |

### Specifications

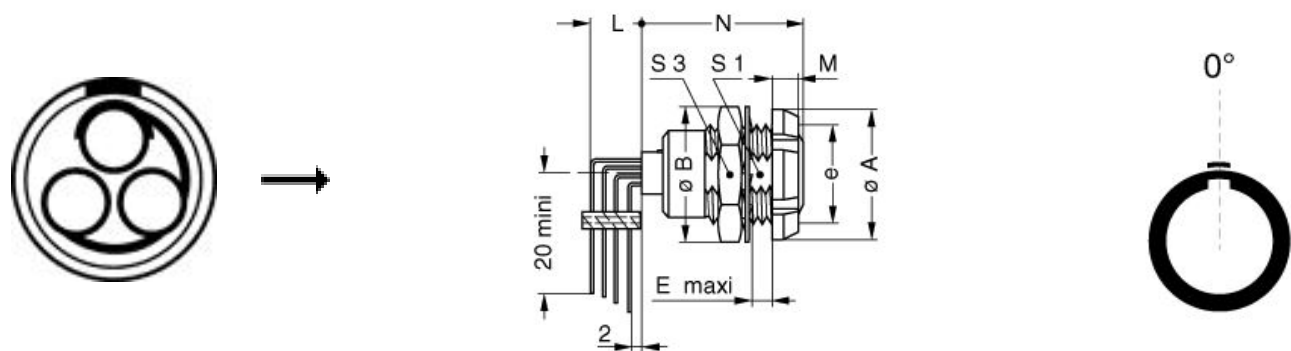
Contact Type: Print (elbow)  
Contact Dia.: 1.3 mm (0.051in)  
R (max): 3.6 mOhm  
Vtest (contact-shell): 1550 V (AC), 2200 V (DC)  
Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

### Others

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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    | Lmax  | M    | Nmax | S1   | S3   | e       |
|-----|------|------|------|-------|------|------|------|------|---------|
| mm. | 16   | 15.8 | 6    | 32.96 | 3.5  | 20.3 | 10.5 | 14   | M12x1.0 |
| in. | 0,63 | 0,62 | 0,24 | 1,30  | 0,14 | 0,80 | 0,41 | 0,55 |         |

## RECOMMENDED BY LEMO

### Tools

Spanner 2: [DCH.91.161.PA](#)

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