

## SUMMARY

### # Wires

Low voltage 7



*Image is for illustrative purpose only*

|                  |                                    |
|------------------|------------------------------------|
| Series           | 0B                                 |
| Termination type | Female print PCB                   |
| IP rating        | 50                                 |
| AWG wire size    | 28.00 - 28.00                      |
| Cable Ø          | 0.00 - 0.00 mm                     |
| Status           | active                             |
| Matching parts   | <a href="#">FGG.0B.307.CLAD52Z</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 straight contacts for printed circuit (back panel mounting) |
| Keying            | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                                   |
| Housing Material  | Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces         |
| Weight            | 5.00 g                                                                                              |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 0B.307 : 7 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 2.5 Amps                  |

### Specifications

Contact Type: Print (straight)  
Contact Dia.: 0.5 mm (0.02in)  
R (max): 8.7 mOhm  
Vtest (contact-shell): 700 V (AC), 990 V (DC)  
Vtest (contact-contact): 800 V (AC), 1130 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

## Draws



## Dimensions

|     | A    | B    | E    | Lmax  | M    | Nmax | S1   | S3   | e      |
|-----|------|------|------|-------|------|------|------|------|--------|
| mm. | 12   | 12.4 | 5.5  | 19.55 | 2.5  | 16.3 | 8.2  | 11   | M9x0.6 |
| in. | 0.47 | 0.49 | 0.22 | 0.77  | 0.10 | 0.64 | 0.32 | 0.43 |        |

# RECOMMENDED BY LEMO

## Tools

Spanner 2: [DCH.91.121.PA](#)

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