

## SUMMARY



Image is for illustrative purpose only

### # Wires

|         |   |
|---------|---|
| Low     | 5 |
| High    | 0 |
| Coax    | 0 |
| Triax   | 0 |
| Quad    | 0 |
| Fiber   | 0 |
| Fluidic | 0 |

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|                  |                    |
|------------------|--------------------|
| Series           | 0B                 |
| Termination type | Female solder      |
| IP rating        | 50                 |
| Cable Ø          | 0.00 - 0.00 mm     |
| Matching parts   | FGG.0B.305.CLAD52Z |
| Status           |                    |
| Alternative part |                    |

## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | EG*: Fixed receptacle, nut fixing   |
| 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 |
| Cable Fixing      | ∅ 0 - 0 mm  |
| Variant           |   |

### Performance

|               |  |
|---------------|--|
| Configuration | 0B.305 : 5 Low Voltage                                   |
| Insulator     | L: PEEK (UL 94 / V-0/3.2, depends on material thickness) |
| Rated Current | 6.5 Amps   |

### Specifications

|                          |                               |
|--------------------------|-------------------------------|
| Contact Type:            | Solder                        |
| Max. Matings:            | 5000                          |
| Contact Dia.:            | 0.7 mm (0.028in)              |
| Bucket Dia.:             | 0.8 mm (0.031in)              |
| Max. Solid Conductor:    | 0.34 mm <sup>2</sup> (AWG 22) |
| Max. Stranded Conductor: | 0.34 mm <sup>2</sup> (AWG 22) |

R (max): 6.1 mOhm  
 Vtest (contact-shell): 700 V (AC), 1000 V (DC)  
 Vtest (contact-contact): 1000 V (AC), 1400 V (DC)

## 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]  
 Salt Spray Corrosion: >1000 hr  
 Climatological Category: 50/175/21  
 Shielding (min): 75 dB (10 MHz)  
 Shielding (min): 40 dB (1 GHz)  
 IP Rating: 50

## DRAWINGS

### Draws



### Dimensions













|     | A    | B    | E    | L    | M    | N    | S1   | S3   | e      |
|-----|------|------|------|------|------|------|------|------|--------|
| mm. | 10   | 12.5 | 7    | 20.7 | 1.2  | 19.1 | 8.2  | 11   | M9x0.6 |
| in. | 0,39 | 0,49 | 0,28 | 0,81 | 0,05 | 0,75 | 0,32 | 0,43 |        |

## RECOMMENDED BY LEMO

### Tools

None

## Cables

|                    |               |       |   |
|--------------------|---------------|-------|---|
| CMN.05.T22.051PGCE | PVC           | GREY  |   |
| CMN.05.T22.051PGZE |               | Grey  |  |
| CMN.05.T22.051PNCE | PVC           | Black |   |
| CMN.05.T22.051PNZE |               |       |  |
| CMN.05.T22.051QGZE | TPR (medical) | Grey  |  |
| CMN.05.T28.029PGCE | PVC           | GREY  |   |
| CMN.05.T28.029PGZE |               | Grey  |  |
| CMN.05.T28.029PNCE | PVC           | Black |   |
| CMN.05.T28.029PNZE |               |       |  |
| 005 050            | PVC           | Black |   |
| 050 090            | PVC           | Black |   |
| 050 140            | PVC           | Grey  |  |
| 150 250            | PVC           | Grey  |   |