

## SUMMARY



Image is for illustrative purpose only

### # Wires

|         |   |
|---------|---|
| Low     | 2 |
| High    | 0 |
| Coax    | 0 |
| Triax   | 0 |
| Quad    | 0 |
| Fiber   | 0 |
| Fluidic | 0 |

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|                  |                    |
|------------------|--------------------|
| Series           | 1B                 |
| Termination type | Female solder      |
| IP rating        | 50                 |
| Cable Ø          | 0.00 - 0.00 mm     |
| Matching parts   | FGG.1B.302.CLAD42Z |
| 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 | 1B.302 : 2 Low Voltage                                   |
| Insulator     | L: PEEK (UL 94 / V-0/3.2, depends on material thickness) |
| Rated Current | 15 Amps  |

### Specifications

|                          |                              |
|--------------------------|------------------------------|
| Contact Type:            | Solder                       |
| Max. Matings:            | 5000                         |
| 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): 1350 V (AC), 1910 V (DC)  
 Vtest (contact-contact): 1500 V (AC), 2120 V (DC)

## Others

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









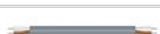




























|     | A    | B    | E    | L    | M    | N    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 14   | 16   | 7.5  | 23   | 1.5  | 21.1 | 10.5 | 14   | M12x1.0 |
| in. | 0,55 | 0,63 | 0,30 | 0,91 | 0,06 | 0,83 | 0,41 | 0,55 |         |







## RECOMMENDED BY LEMO

### Tools

None

## Cables

|                    |               |        |   |
|--------------------|---------------|--------|---|
| CFN.3K.93C.092PNCA | PVC           | Black  |    |
| CFN.3K.93C.092PNCS | PVC           | Black  |    |
| CFN.3K.93C.160PNCA | PVC           | Black  |    |
| CFN.3K.93C.160PNCS | PVC           | Black  |    |
| CMN.02.T20.047PGCE | PVC           | GREY   |     |
| CMN.02.T20.047PGZE |               | Grey   |    |
| CMN.02.T20.047PNCE | PVC           | Black  |     |
| CMN.02.T20.047PNZE |               |        |    |
| CMN.02.T20.048QGZE | TPR (medical) | Grey   |    |
| CMN.02.T22.047PGCE | PVC           | GREY   |     |
| CMN.02.T22.047PGZE |               | Grey   |    |
| CMN.02.T22.047PNCE | PVC           | Black  |     |
| CMN.02.T22.047PNZE |               |        |    |
| CMN.02.T28.030PGCE | PVC           | GREY   |     |
| CMN.02.T28.030PGZE |               | Grey   |    |
| CMN.02.T28.030PNCE | PVC           | Black  |     |
| CMN.02.T28.030PNZE |               |        |    |
| 002 050            | PVC           | Black  |     |
| 002 080            | PVC           | Grey   |   |
| 002 200            | PVC           | Black  |  |
| 002 221            | PVC           | Black  |  |
| 002 260            | PTFE          | White  |  |
| 002 280            | PVC           | Black  |  |
| 004 082            | PVC           | Grey   |   |
| 020 140            | PVC           | Grey   |   |
| 020 140            | PVC           | Grey   |   |
| 020 141            | PVC           | Grey   |  |
| 020 142            | PVC           | Red    |   |
| 020 143            | PVC           | Green  |   |
| 020 144            | PVC           | Black  |   |
| 020 145            | PVC           | Yellow |   |
| 020 146            | PVC           | Black  |   |
| 020 240            | PTFE          | White  |  |
| 020 260            | PVC           | Black  |  |
| 020 264            | PVC           | Black  |   |
| 020 266            | PVC           | Violet |   |
| 020 550            | PUR           | Black  |  |
| 020 560            | PUR           | White  |  |
| 102 080            | PVC           | Grey   |   |
| 120 184            | PVC           | Black  |   |

|                   |     |       |  |
|-------------------|-----|-------|--|
| 120 240           | PVC | Black |  |
| 120 250           | PVC | Grey  |  |
| 120 500           | PVC | Grey  |  |
| 120 501           | PVC | Grey  |  |
| 120 751           | PVC | Grey  |  |
| 220 750           | PVC | Grey  |  |
| CCX.50.RG1.74U30B | TFE | White |  |
| CMB.02.210.635    | PUR | Black |  |