

## SUMMARY

### # Wires

Low voltage 3



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 2B                                |
| Termination type | Female solder                     |
| IP rating        | 50                                |
| AWG wire size    | 24.00 - 16.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FGA.2B.303.CLAD42</a> |

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[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | EC*: Fixed receptacle with two nuts (back panel mounting)   |
| Keying            | 2 keys (alpha=30, 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            | 15.02 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 2B.303 : 3 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 17 Amps                   |

### Specifications

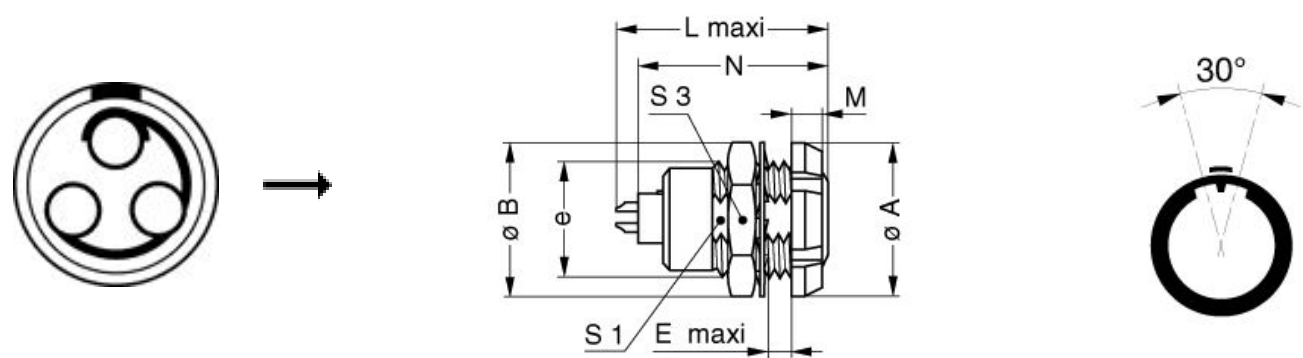
Contact Type: Solder  
Contact Dia.: 1.6 mm (0.063in)  
Bucket Dia.: 1.4 mm (0.055in)  
Max. Solid Conductor: 1 mm<sup>2</sup> (AWG 16)  
Max. Stranded Conductor: 1 mm<sup>2</sup> (AWG 18)  
R (max): 3.5 mOhm  
Vtest (contact-shell): 1850 V (AC), 2600 V (DC)  
Vtest (contact-contact): 2400 V (AC), 3390 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. | 20   | 19.2 | 6.5  | 26.7 | 3.5  | 24.6 | 13.5 | 17   | M15x1.0 |
| in. | 0,79 | 0,76 | 0,26 | 1,05 | 0,14 | 0,97 | 0,53 | 0,67 |         |


















RECOMMENDED BY LEMO

Tools

Spanner 2: [DCH.91.201.PA](#)

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## Cables

|                    |               |       |   |
|--------------------|---------------|-------|---|
| CMN.03.T18.055PGZE |               | Grey  |    |
| CMN.03.T18.055PNZE |               |       |    |
| CMN.03.T18.055QGZE | TPR (medical) | Grey  |    |
| CMN.03.T20.049PGZE |               | Grey  |    |
| CMN.03.T20.049PNZE |               |       |    |
| CMN.03.T28.031PGCE | PVC           | GREY  |    |
| CMN.03.T28.031PGZE |               | Grey  |    |
| CMN.03.T28.031PNCE | PVC           | Black |    |
| CMN.03.T28.031PNZE |               |       |    |
| 130240             | PVC           | Black |    |
| 130250             | PVC           | Grey  |    |
| 230500             | PVC           | Grey  |    |
| 230750             | PVC           | Grey  |    |
| 30110              | PVC           | Grey  |   |
| 30141              | PVC           | Grey  |  |
| 30260              | PVC           | Black |  |
| 3041               | PVC           | Grey  |   |
| 3050               | PVC           | Black |  |
| 3081               | PVC           | Black |   |
| 3220               | PVC           | Black |  |
| 3280               | PVC           | Black |  |
| 60080              | PVC           | Grey  |   |

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