

## SUMMARY

### # Wires

|             |   |
|-------------|---|
| Low voltage | 2 |
|-------------|---|



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 2B                                |
| Termination type | Female solder                     |
| IP rating        | 50                                |
| AWG wire size    | 22.00 - 14.00                     |
| Cable Ø          | 0.00 - 0.00 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FGG.2B.302.CLAD82</a> |

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## 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 [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Weight            | 14.44 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 2B.302 : 2 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 25 Amps                   |

### Specifications

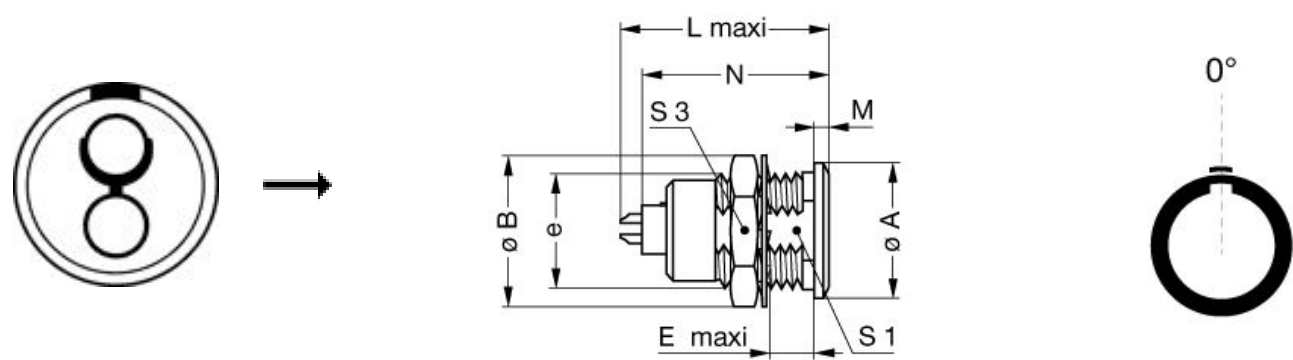
|                          |                              |
|--------------------------|------------------------------|
| Contact Type:            | Solder                       |
| Contact Dia.:            | 2 mm (0.079in)               |
| Bucket Dia.:             | 1.8 mm (0.071in)             |
| Max. Solid Conductor:    | 1.5 mm <sup>2</sup> (AWG 14) |
| Max. Stranded Conductor: | 1.5 mm <sup>2</sup> (AWG 16) |
| R (max):                 | 3.3 mOhm                     |
| Vtest (contact-shell):   | 1750 V (AC), 2500 V (DC)     |
| Vtest (contact-contact): | 2100 V (AC), 2970 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










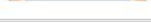





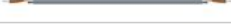

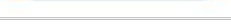




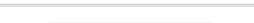










|     | A    | B    | E    | L    | M    | N    | S1   | S3   | e       |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 18   | 19.5 | 8.5  | 26.7 | 1.8  | 24.6 | 13.5 | 17   | M15x1.0 |
| in. | 0,71 | 0,77 | 0,33 | 1,05 | 0,07 | 0,97 | 0,53 | 0,67 |         |

RECOMMENDED BY LEMO







Tools

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## Cables

|                    |               |        |   |
|--------------------|---------------|--------|---|
| CMN.02.T14.072PGZE |               | Grey   |    |
| CMN.02.T14.072PNZE |               | Black  |    |
| CMN.02.T14.072QGZE | TPR (medical) | Grey   |    |
| CMN.02.T14.078PGZE |               | Grey   |    |
| CMN.02.T14.078PNZE |               |        |    |
| CMN.02.T18.064UNCU |               |        |   |
| CMN.02.T20.047PGZE |               | Grey   |    |
| CMN.02.T20.047PNZE |               |        |    |
| CMN.02.T20.048QGZE | TPR (medical) | Grey   |    |
| CMN.02.T28.030PGCE | PVC           | GREY   |    |
| CMN.02.T28.030PGZE |               | Grey   |    |
| CMN.02.T28.030PNCE | PVC           | Black  |    |
| CMN.02.T28.030PNZE |               |        |    |
| 102080             | PVC           | Grey   |   |
| 120184             | PVC           | Black  |     |
| 120240             | PVC           | Black  |  |
| 120250             | PVC           | Grey   |  |
| 120500             | PVC           | Grey   |  |
| 120501             | PVC           | Grey   |  |
| 120751             | PVC           | Grey   |  |
| 20140              | PVC           | Grey   |   |
| 20140              | PVC           | Grey   |   |
| 20141              | PVC           | Grey   |  |
| 20142              | PVC           | Red    |   |
| 20143              | PVC           | Green  |   |
| 20144              | PVC           | Black  |   |
| 20145              | PVC           | Yellow |   |
| 20146              | PVC           | Black  |   |
| 20240              | PTFE          | White  |  |
| 20260              | PVC           | Black  |  |
| 20264              | PVC           | Black  |   |
| 20266              | PVC           | Violet |   |
| 2050               | PVC           | Black  |  |
| 20550              | PUR           | Black  |  |
| 20560              | PUR           | White  |  |
| 2080               | PVC           | Grey   |   |

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|                |      |       |   |
|----------------|------|-------|---|
| 220151         | PVC  | Grey  |   |
| 220750         | PVC  | Grey  |  |
| 2221           | PVC  | Black |  |
| 2260           | PTFE | White |  |
| 2280           | PVC  | Black |  |
| 320150         | PVC  | Grey  |  |
| 4082           | PVC  | Grey  |   |
| CMB.02.210.635 | PUR  | Black |   |

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