

## SUMMARY

### # Wires

Low voltage 3



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 1B                             |
| Termination type | Male solder                    |
| IP rating        | 50                             |
| AWG wire size    | 28.00 - 20.00                  |
| Cable Ø          | 0.00 - 0.00 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">EGG.1B.303.CLL</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | FW*: Fixed plug, 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            | 12.94 g                                                                                                                       |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1B.303 : 3 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 12 Amps                   |

### Specifications

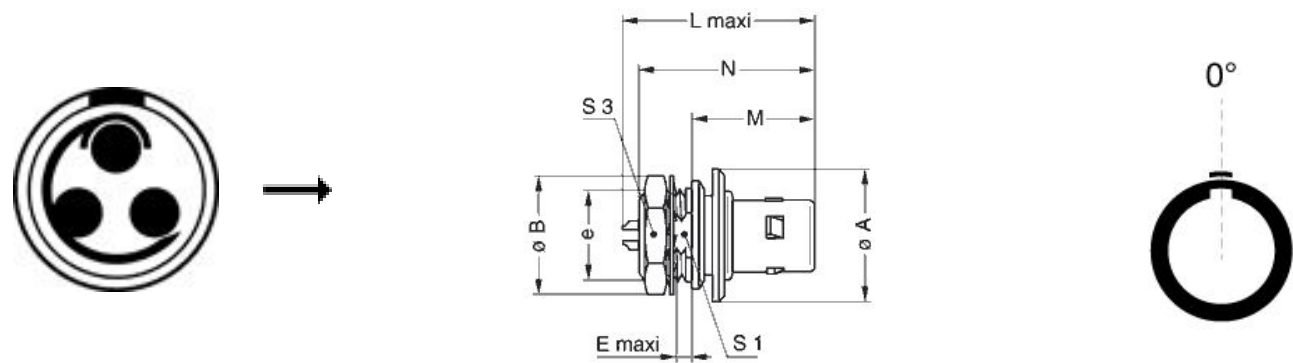
Contact Type: Solder  
Contact Dia.: 1.3 mm (0.051in)  
Bucket Dia.: 1 mm (0.039in)  
Max. Solid Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
Max. Stranded Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 3.6 mOhm  
Vtest (contact-shell): 1550 V (AC), 2200 V (DC)  
Vtest (contact-contact): 1300 V (AC), 1840 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

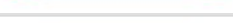
|     | A    | B    | E    | L    | M    | N    | S1   | S2   | e       |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 18   | 16   | 2.9  | 24.9 | 17   | 24.8 | 10.5 | 14   | M12x1.0 |
| in. | 0,71 | 0,63 | 0,11 | 0,98 | 0,67 | 0,98 | 0,41 | 0,55 |         |

RECOMMENDED BY LEMO

Tools

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## Cables

|                    |     |       |                                                                                       |
|--------------------|-----|-------|---------------------------------------------------------------------------------------|
| 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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