

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low voltage 2

Series 1B  
Termination type Female crimp  
IP rating 50  
AWG wire size 20.00 - 18.00  
Cable Ø 0.00 - 0.00 mm  
Status active  
Matching parts [FGG.1B.302.CYCD42](#)

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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 9.89 g

### Performance

Configuration 1B.302 : 2 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 15 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 40 N  
Contact Dia.: 1.3 mm (0.051in)  
Bucket Dia.: 1.4 mm (0.055in)  
Min. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
Max. Conductor: 1 mm<sup>2</sup> (AWG 18)  
R (max): 3.6 mOhm  
Vtest (contact-shell): 1450 V (AC), 2100 V (DC)

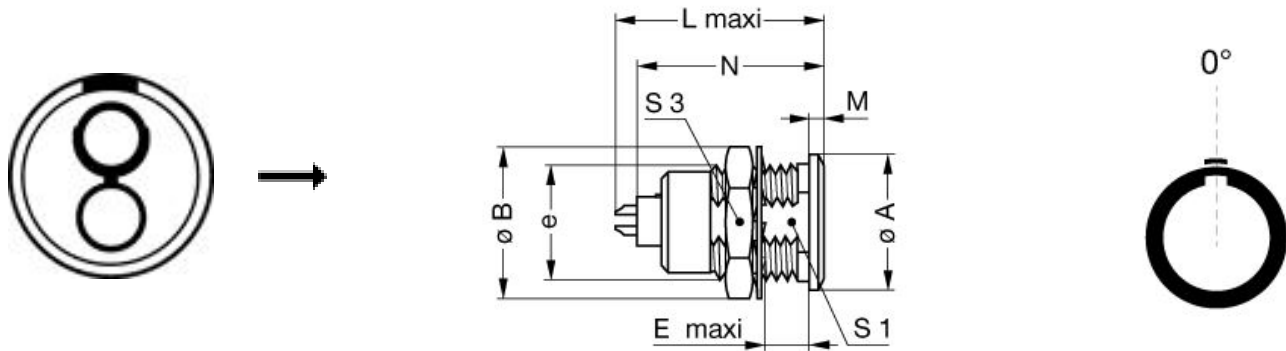
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Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

## 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]  
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. | 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

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Crimp Tool: [DPC.91.701.V](#)  
 Crimp settings: AWG/Selector = 18-20/8-7  
 Positionner: [DCE.91.131.BVM](#)  
 Extractor: [DCF.91.131.2LT](#)  
 Replacement contact: EGG.1B.665.ZZM

## Cables

|                    |               |        |   |
|--------------------|---------------|--------|---|
| 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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|        |      |       |   |
|--------|------|-------|---|
| 220750 | PVC  | Grey  |    |
| 2221   | PVC  | Black |  |
| 2260   | PTFE | White |  |
| 2280   | PVC  | Black |  |

|                |     |       |  |
|----------------|-----|-------|--|
| 4082           | PVC | Grey  |  |
| CMB.02.210.635 | PUR | Black |  |

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[FGJ.1B.304.CLLD76](#) [FGJ.1B.306.CWLD72](#) [FGJ.3B.304.CYMD10Z](#) [FGJ.3B.304.CYMD82Z](#) [PCS.01.250.DLLE24](#) [PHG.0K.305.CYMC40Z](#)  
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