

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low voltage 5

Series 1B  
Termination type Female crimp  
IP rating 50  
AWG wire size 24.00 - 20.00  
Cable Ø 0.00 - 0.00 mm  
Status active  
Matching parts [FGG.1B.305.CYCD62Z](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model EG\*: Fixed receptacle, nut fixing  
Keying No keying  
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 10.07 g

### Performance

Configuration 1B.305 : 5 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 9 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 30 N  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 1.1 mm (0.043in)  
Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1550 V (AC), 2200 V (DC)

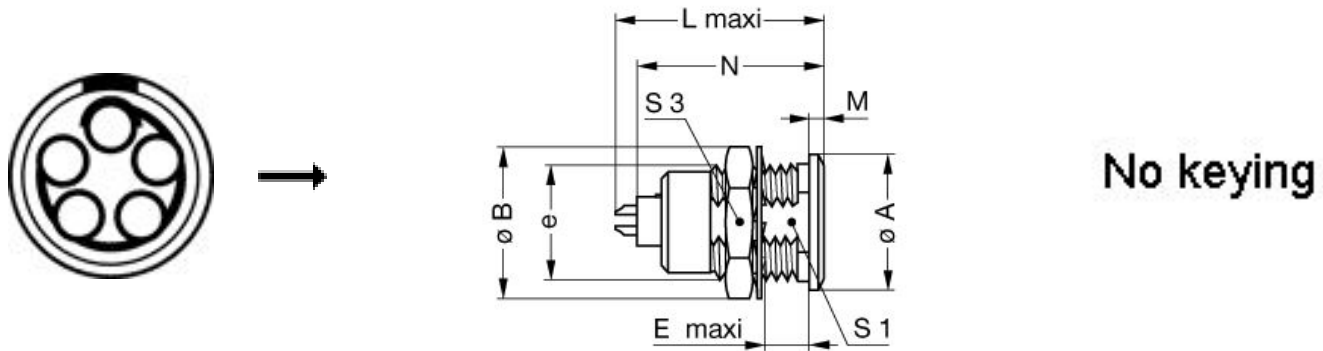
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Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

## 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 = 20-22-24/6-5-5  
 Positionner: [DCE.91.091.BVM](#)  
 Extractor: [DCC.09.05B.LAG](#)  
 Replacement contact: EGG.1B.660.ZZM

## Cables

|                    |               |       |   |
|--------------------|---------------|-------|---|
| CMN.05.T20.057PGZE |               | Grey  |    |
| CMN.05.T20.057PNZE |               |       |    |
| CMN.05.T20.057QGZE | TPR (medical) | Grey  |    |
| CMN.05.T22.051QGZE | TPR (medical) | Grey  |    |
| CMN.05.T28.029PGCE | PVC           | GREY  |     |
| CMN.05.T28.029PGZE |               | Grey  |    |
| CMN.05.T28.029PNCE | PVC           | Black |     |
| CMN.05.T28.029PNZE |               |       |    |
| 150250             | PVC           | Grey  |     |
| 250500             | PVC           | Grey  |     |
| 50090              | PVC           | Black |   |
| 50140              | PVC           | Grey  |  |
| 5050               | PVC           | Black |   |

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