

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low voltage 12

Series 3B  
Termination type Male crimp  
IP rating 50  
AWG wire size 26.00 - 22.00  
Cable Ø 0.00 - 0.00 mm  
Status active  
Matching parts [FGJ.3B.312.CYPD82](#)

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model EC\*: Fixed receptacle with two nuts (back panel mounting)  
Keying 2 keys (alpha=37.5, plug: female contacts, receptacle: male 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 28.06 g

### Performance

Configuration 3B.312 : 12 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.: 0.8 mm (0.031in)  
Min. Conductor: 0.14 mm<sup>2</sup> (AWG 26)  
Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 1850 V (AC), 2600 V (DC)

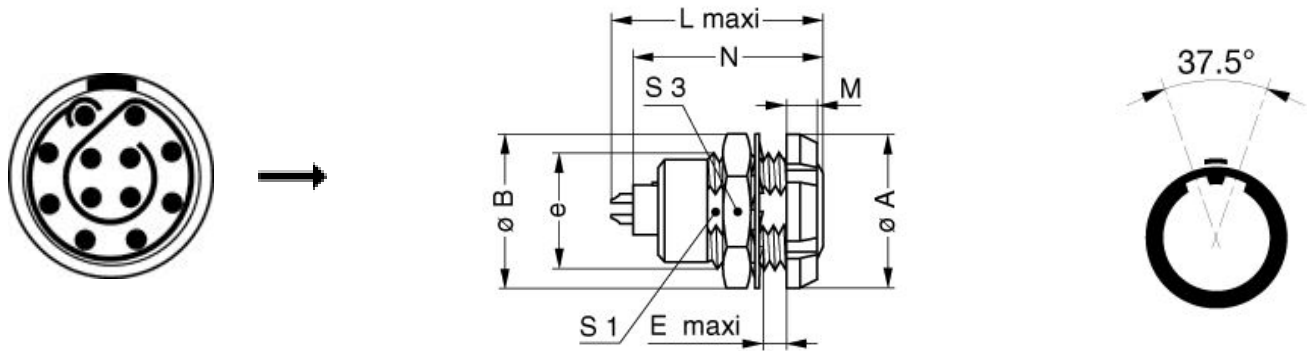
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Vtest (contact-contact): 1650 V (AC), 2350 V (DC)

## 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. | 24   | 25   | 9    | 30.7 | 4.5  | 28.1 | 16.5 | 22   | M18x1.0 |
| in. | 0,94 | 0,98 | 0,35 | 1,21 | 0,18 | 1,11 | 0,65 | 0,87 |         |










## RECOMMENDED BY LEMO

### Tools

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Crimp Tool: [DPC.91.701.V](#)  
 Crimp settings: AWG/Selector = 22-24-26/6-5-5  
 Positionner: [DCE.91.093.BVC](#)  
 Extractor: [DCF.91.093.5LT](#)  
 Replacement contact: FGG.3B.561.ZZC

## Cables

|                    |               |       |   |
|--------------------|---------------|-------|---|
| CMN.12.T22.070QGZE | TPR (medical) | Grey  |    |
| CMN.12.T28.054PGZE |               | Grey  |    |
| CMN.12.T28.054PNZE |               |       |    |
| 112240             | PTFE          | White |    |
| 112260             | PTFE          | White |    |
| 112280             | PVC           | Black |    |
| 12050              | PVC           | Black |    |
| 124080             | PVC           | Grey  |   |
| 124084             | PVC           | Black |   |
| 212220             | PVC           | Black |    |
| 212240             | PVC           | Black |   |
| 212250             | PVC           | Grey  |  |
| 212260             | PVC           | Black |  |

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