

## SUMMARY

### # Wires

Low voltage 30



*Image is for illustrative purpose only*

Series 4B  
Termination type Male crimp  
IP rating 50  
AWG wire size 24.00 - 20.00  
Cable Ø 0.00 - 0.00 mm  
Status active

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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 69.41 g

### Performance

Configuration 4B.330 : 30 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 5 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): 1450 V (AC), 2050 V (DC)

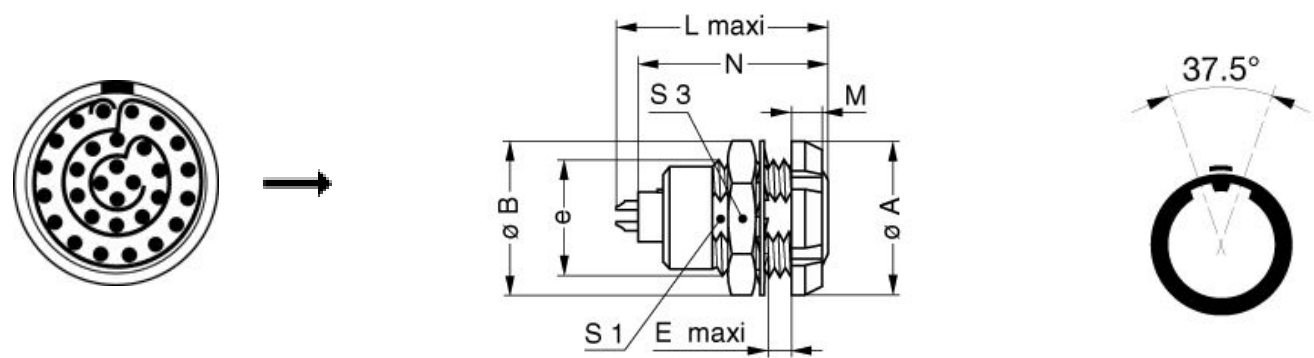
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Vtest (contact-contact): 1750 V (AC), 2500 V (DC)

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. | 30   | 34   | 10   | 35.7 | 4.5  | 32.6 | 23.5 | 30   | M25x1.0 |
| in. | 1,18 | 1,34 | 0,39 | 1,41 | 0,18 | 1,28 | 0,93 | 1,18 |         |

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.91.094.BVC](#)

Extractor: [DCF.91.093.5LT](#)

Replacement contact: FGG.4B.560.ZZC

### Cables

|                    |     |       |   |
|--------------------|-----|-------|---|
| CMN.30.T22.087PGCE | PVC | GREY  |  |
| CMN.30.T22.087PGZE |     | Grey  |  |
| CMN.30.T22.087PNCE | PVC | Black |  |
| CMN.30.T22.087PNZE |     |       |  |
| 330240             | PVC | Black |  |
| 330260             | PVC | Black |  |
| 430250             | PVC | Grey  |  |

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