

## SUMMARY

### # Wires

Low voltage 8



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 3B                             |
| Termination type | Male crimp                     |
| IP rating        | 50                             |
| AWG wire size    | 20.00 - 18.00                  |
| Cable Ø          | 9.30 - 10.00 mm                |
| Status           | active                         |
| Matching parts   | <a href="#">EGG.3B.308.CYM</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug, cable collet and nut for fitting a bend relief  |
| 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 |
| Variant           | Z : Nut for fitting a bend relief   |

### Performance

|               |                            |
|---------------|----------------------------|
| Configuration | 3B.308 : 8 Low Voltage     |
| Insulator     | Y: PEEK for crimp contacts |
| Rated Current | 13 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): 1750 V (AC), 2500 V (DC)

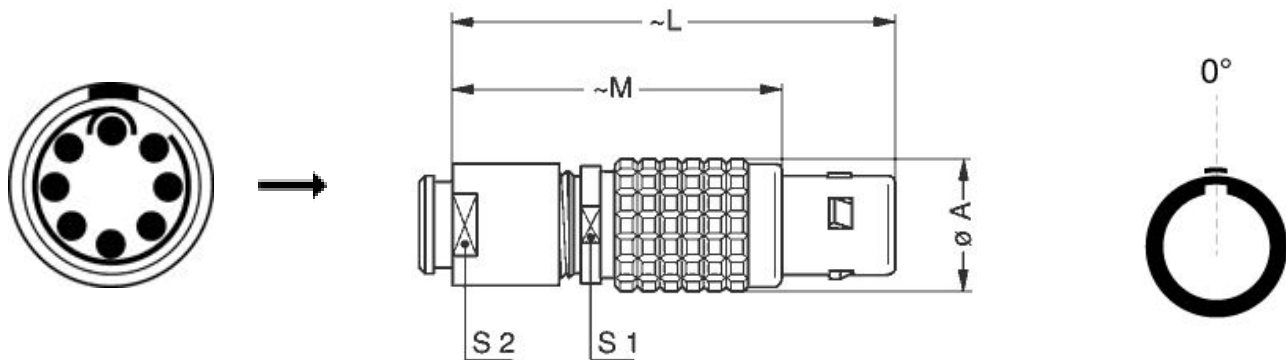
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Vtest (contact-contact): 1850 V (AC), 2600 V (DC)

## 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    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|
| mm. | 18   | 56.5 | 41.5 | 15   | 15   |
| in. | 0,71 | 2,22 | 1,63 | 0,59 | 0,59 |

## RECOMMENDED BY LEMO

### Tools

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Crimp Tool: [DPC.91.701.V](#)  
Crimp settings: AWG/Selector = 18-20/8-7  
Positionner: [DCE.91.133.BVC](#)  
Extractor: [DCF.91.133.5LT](#)  
Replacement contact: FGG.3B.565.ZZC  
Spanner wrench: [DCD.3B.040.PA150](#)  
Caps: [BFG.3B.100.PCSG](#)

## Cables

|        |     |      |  |
|--------|-----|------|--|
| 380750 | PVC | Grey |  |
|--------|-----|------|--|

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