

## SUMMARY

### # Wires

Low voltage 3



Image is for illustrative purpose only

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 0B                                |
| Termination type | Female crimp                      |
| IP rating        | 50                                |
| AWG wire size    | 24.00 - 20.00                     |
| Cable Ø          | 5.30 - 5.60 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FGG.0B.303.CYCD56</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | PH*: Free receptacle, cable collet  |
| 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            | 10.64 g   |

### Performance

|               |                            |
|---------------|----------------------------|
| Configuration | 0B.303 : 3 Low Voltage     |
| Insulator     | Y: PEEK for crimp contacts |
| Rated Current | 8 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): 1600 V (AC), 2250 V (DC)

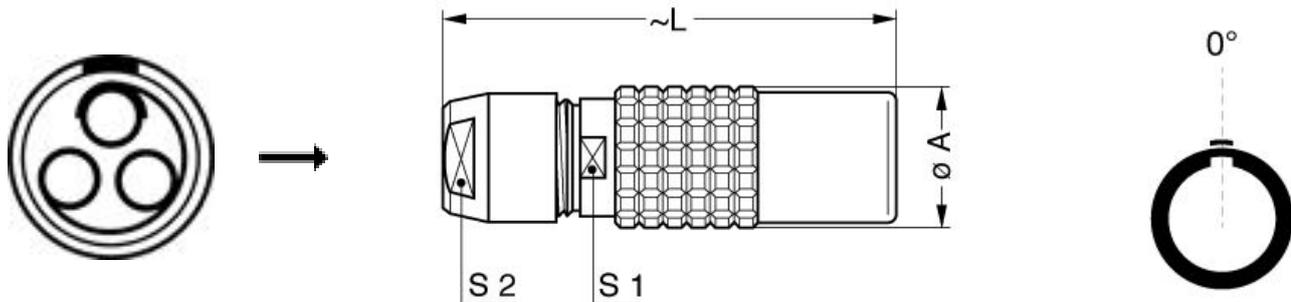
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Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

## 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    | L    | S1   | S2   |
|-----|------|------|------|------|
| mm. | 9.5  | 35.5 | 8    | 7    |
| in. | 0,37 | 1,40 | 0,31 | 0,28 |

## 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.91.070.BVM](#)  
Extractor: [DCF.91.090.2LT](#)  
Replacement contact: EGG.0B.660.ZZM  
Spanner wrench: [DCD.0B.005.PA070](#)

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