

## SUMMARY

### # Wires

Low voltage 6



*Image is for illustrative purpose only*

Series 3B  
Termination type Female crimp  
IP rating 50  
AWG wire size 22.00 - 18.00  
Cable Ø 6.30 - 7.70 mm  
Status active

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model PH\*: Free receptacle, 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  
Weight 60.46 g

### Performance

Configuration 3B.306 : 6 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 17 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 50 N  
Contact Dia.: 1.6 mm (0.063in)  
Bucket Dia.: 1.4 mm (0.055in)  
Min. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Conductor: 1 mm<sup>2</sup> (AWG 18)

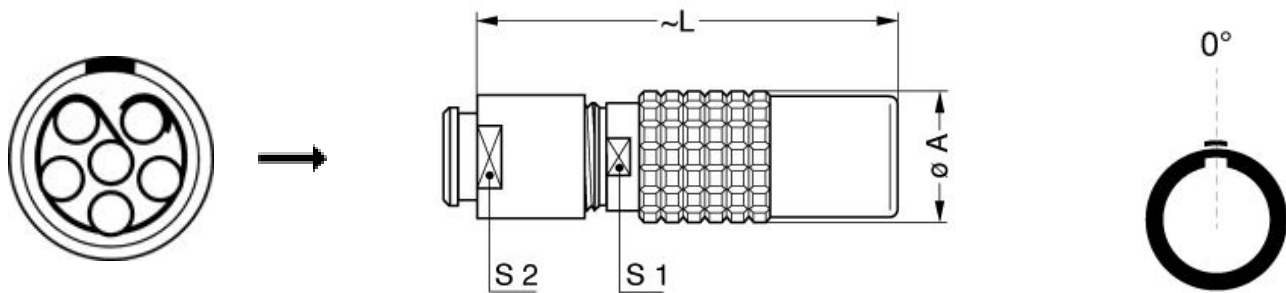
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R (max): 3.5 mOhm  
 Vtest (contact-shell): 1800 V (AC), 2550 V (DC)  
 Vtest (contact-contact): 1900 V (AC), 2700 V (DC)

## 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. | 19   | 54.5 | 15   | 15   |
| in. | 0,75 | 2,15 | 0,59 | 0,59 |

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## Tools

|                      |                                  |
|----------------------|----------------------------------|
| Crimp Tool:          | <a href="#">DPC.91.101.A</a>     |
| Crimp settings:      | AWG/Selector = 18-20/8-7         |
| Positionner:         | <a href="#">DCE.91.163.BVCM</a>  |
| Extractor:           | <a href="#">DCF.91.163.5LT</a>   |
| Replacement contact: | EGG.3B.671.ZZM                   |
| Spanner wrench:      | <a href="#">DCD.3B.040.PA150</a> |

## Cables

|                    |     |      |   |
|--------------------|-----|------|---|
| CMN.06.T18.070PGZE |     | Grey |  |
| CMN.06.T18.070PNZE |     |      |  |
| 360500             | PVC | Grey |   |

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