

## SUMMARY

### # Wires

Low voltage 30



*Image is for illustrative purpose only*

Series 3B  
Termination type Male crimp  
IP rating 50  
AWG wire size 26.00 - 22.00  
Cable Ø 9.30 - 10.00 mm  
Status Active

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model PK\*: Fixed receptacle, nut fixing, cable collet and nut for fitting a bend relief  
Keying 2 keys (alpha=52.5, 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  
Variant Z : Nut for fitting a bend relief  
Weight 55.01 g

### Performance

Configuration 3B.330 : 30 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 3.5 Amps

### Specifications

Contact Type: Crimp  
Contact Retention: 22 N  
Contact Dia.: 0.7 mm (0.028in)  
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)

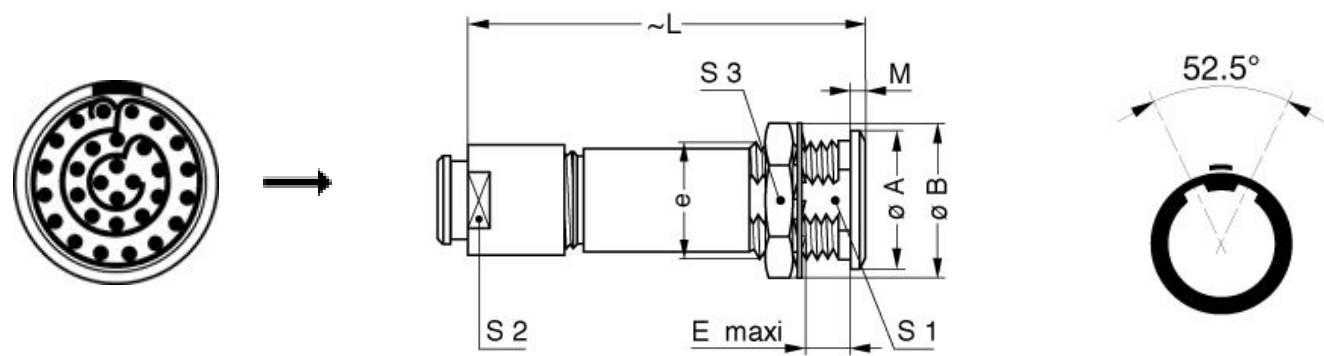
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R (max): 6.1 mOhm  
Vtest (contact-shell): 1200 V (AC), 1700 V (DC)  
Vtest (contact-contact): 1350 V (AC), 1910 V (DC)

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    | S1   | S2   | S3   | e       |
|-----|------|------|------|------|------|------|------|------|---------|
| mm. | 22   | 25   | 11.5 | 54.5 | 2    | 16.5 | 14   | 22   | M18x1.0 |
| in. | 0,87 | 0,98 | 0,45 | 2,15 | 0,08 | 0,65 | 0,55 | 0,87 |         |

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## Tools

|                      |                                  |
|----------------------|----------------------------------|
| Crimp Tool:          | <a href="#">DPC.91.701.V</a>     |
| Crimp settings:      | AWG/Selector = 22-24-26/6-5-5    |
| Positionner:         | <a href="#">DCE.91.073.BVC</a>   |
| Extractor:           | <a href="#">DCC.07.04B.LAG</a>   |
| Replacement contact: | FGG.3B.555.ZZC                   |
| Spanner wrench:      | <a href="#">DCD.3B.ZZZ.PA150</a> |

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