

## SUMMARY

### # Wires

Low voltage 4



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 3B                             |
| Termination type | Male crimp                     |
| IP rating        | 50                             |
| AWG wire size    | 18.00 - 14.00                  |
| Cable Ø          | 6.30 - 7.70 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">EGG.3B.304.CLL</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | FG*: Straight plug, 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            | 48.40 g   |

### Performance

|               |                            |
|---------------|----------------------------|
| Configuration | 3B.304 : 4 Low Voltage     |
| Insulator     | Y: PEEK for crimp contacts |
| Rated Current | 19 Amps                    |

### Specifications

Contact Type: Crimp  
Contact Retention: 65 N  
Contact Dia.: 2 mm (0.079in)  
Bucket Dia.: 1.9 mm (0.075in)  
Max. Solid Conductor: 1.5 mm<sup>2</sup> (AWG 14)  
Max. Stranded Conductor: 1.5 mm<sup>2</sup> (AWG 16)  
Min. Conductor: 1 mm<sup>2</sup> (AWG 18)  
Max. Conductor: 1.5 mm<sup>2</sup> (AWG 14)

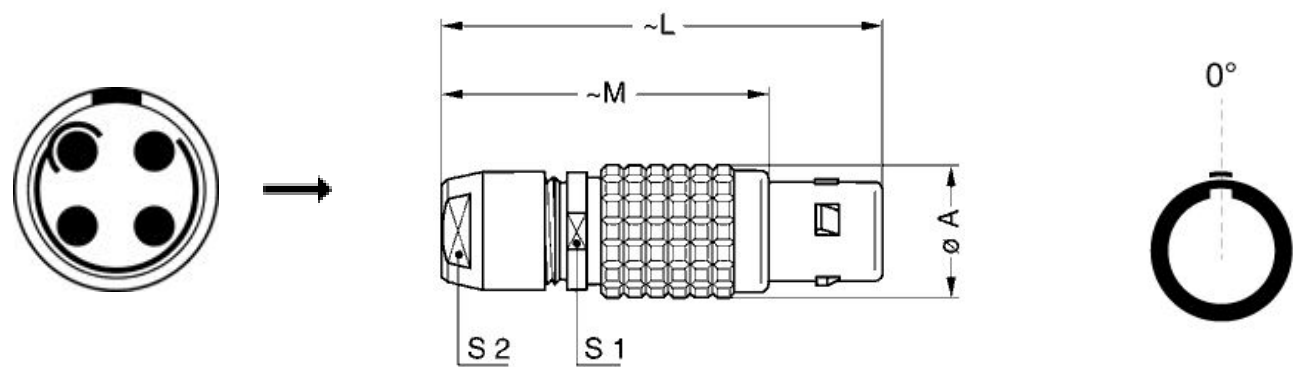
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R (max): 3.3 mOhm  
Vtest (contact-shell): 2200 V (AC), 3110 V (DC)  
Vtest (contact-contact): 2500 V (AC), 3540 V (DC)

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   | 58   | 43   | 15   | 14   |
| in. | 0,71 | 2,28 | 1,69 | 0,59 | 0,55 |

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## Tools

|                      |                                  |
|----------------------|----------------------------------|
| Crimp Tool:          | <a href="#">DPC.91.101.A</a>     |
| Crimp settings:      | AWG/Selector = 14-16-18/7-6-5    |
| Positionner:         | <a href="#">DCE.91.203.BVCM</a>  |
| Extractor:           | <a href="#">DCC.91.202.5LA</a>   |
| Replacement contact: | FGG.3B.576.ZZC                   |
| Spanner wrench:      | <a href="#">DCD.3B.040.PA140</a> |
| Caps:                | <a href="#">BFG.3B.100.PCSG</a>  |

## Cables

|                    |     |      |  |
|--------------------|-----|------|--|
| 240750             | PVC | Grey |  |
| 417920             | PVC | Grey |  |
| CTR.75.030.121870G | PVC | Grey |  |

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