

## SUMMARY

### # Wires

Low voltage 3



Image is for illustrative purpose only

|                  |                                |
|------------------|--------------------------------|
| Series           | 2K                             |
| Termination type | Male crimp                     |
| IP rating        | 68                             |
| AWG wire size    | 18.00 - 14.00                  |
| Cable Ø          | 8.10 - 8.50 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">EGG.2K.303.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   |
| Weight            | 39.72 g   |

### Performance

|               |                            |
|---------------|----------------------------|
| Configuration | 2K.303 : 3 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.: 1.9 mm (0.075in)
- Min. Conductor: 1 mm<sup>2</sup> (AWG 18)
- Max. Conductor: 1.5 mm<sup>2</sup> (AWG 14)

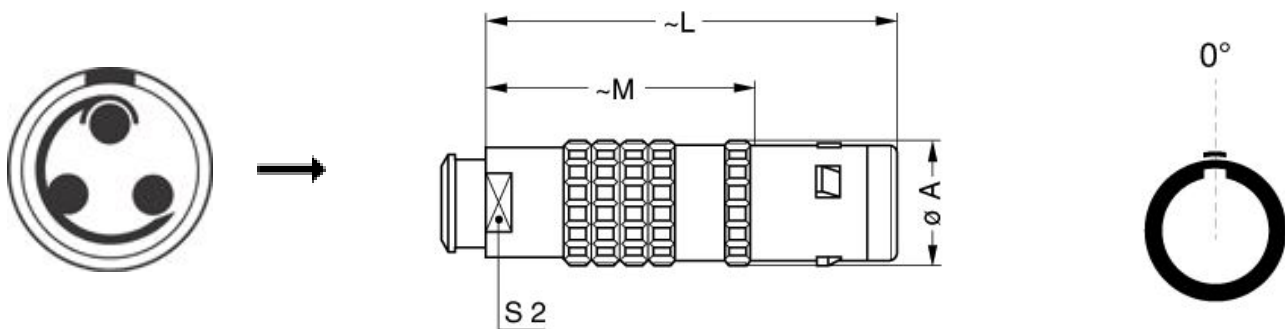
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R (max): 3.5 mOhm  
 Vtest (contact-shell): 1900 V (AC), 2700 V (DC)  
 Vtest (contact-contact): 1900 V (AC), 2700 V (DC)

## Others

Endurance (Shell): 5000 mating cycles  
 Temp (min / max): -55°C / +200°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): 95 dB (10 MHz)  
 Shielding (min): 80 dB (1 GHz)  
 Salt Spray Corrosion: >1000 hr

## DRAWINGS



## Dimensions

|     | A    | L    | M    | S2   |
|-----|------|------|------|------|
| mm. | 16   | 52   | 36   | 12   |
| in. | 0,63 | 2,05 | 1,42 | 0,47 |

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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.91.162.BVCM</a>  |
| Extractor:           | <a href="#">DCF.91.162.2LT</a>   |
| Replacement contact: | FGG.2B.570.ZZC                   |
| Spanner wrench:      | <a href="#">DCD.2E.020.PA120</a> |
| Caps:                | <a href="#">BFG.2K.100.NAS</a>   |

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