

## SUMMARY

### # Wires

Low voltage 6



Image is for illustrative purpose only

|                  |                                    |
|------------------|------------------------------------|
| Series           | 1K                                 |
| Termination type | Female crimp                       |
| IP rating        | 68 mated (mating interface)        |
| AWG wire size    | 26.00 - 22.00                      |
| Cable Ø          | 3.60 - 4.00 mm                     |
| Status           | active                             |
| Matching parts   | <a href="#">FGG.1K.306.CYCC40Z</a> |

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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, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces |
| Variant           | Z : Nut for fitting a bend relief  |
| Weight            | 28.77 g  |

### Performance

|               |                            |
|---------------|----------------------------|
| Configuration | 1K.306 : 6 Low Voltage     |
| Insulator     | Y: PEEK for crimp contacts |
| Rated Current | 7 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)

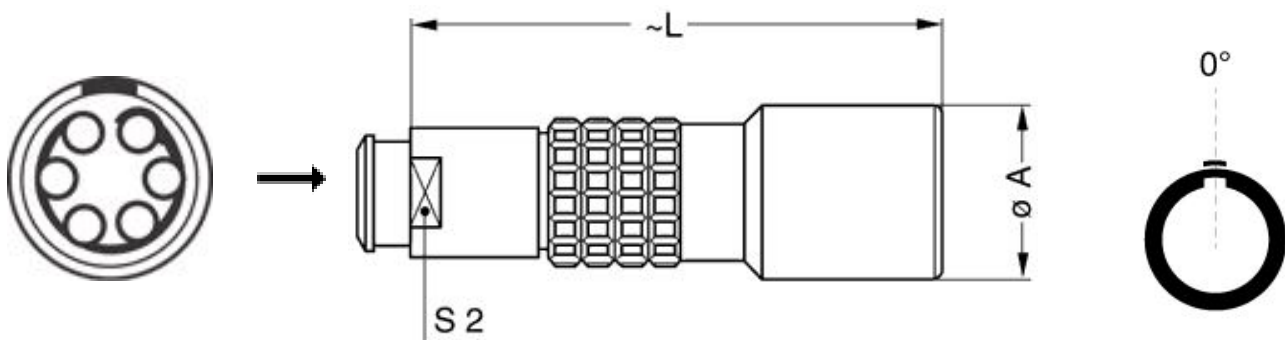
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R (max): 6.1 mOhm  
Vtest (contact-shell): 1450 V (AC), 2050 V (DC)  
Vtest (contact-contact): 1350 V (AC), 1910 V (DC)

## 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    | S2   |
|-----|------|------|------|
| mm. | 15   | 45   | 9    |
| in. | 0,59 | 1,77 | 0,35 |


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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.91.071.BVM</a>   |
| Extractor:           | <a href="#">DCC.07.04B.LAG</a>   |
| Replacement contact: | EGG.1B.655.ZZM                   |
| Spanner wrench:      | <a href="#">DCD.1E.ZZZ.PA090</a> |

## Cables

|                    |               |      |   |
|--------------------|---------------|------|---|
| CMN.06.T26.037QGZE | TPR (medical) | Grey |  |
|--------------------|---------------|------|---|