

## SUMMARY

### # Wires

Low voltage 6



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 1K                             |
| Termination type | Male crimp                     |
| IP rating        | 68                             |
| AWG wire size    | 26.00 - 22.00                  |
| Cable Ø          | 3.10 - 3.50 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">EGG.1K.306.CYM</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            | 25.01 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)  
R (max): 6.1 mOhm  
Vtest (contact-shell): 1450 V (AC), 2050 V (DC)

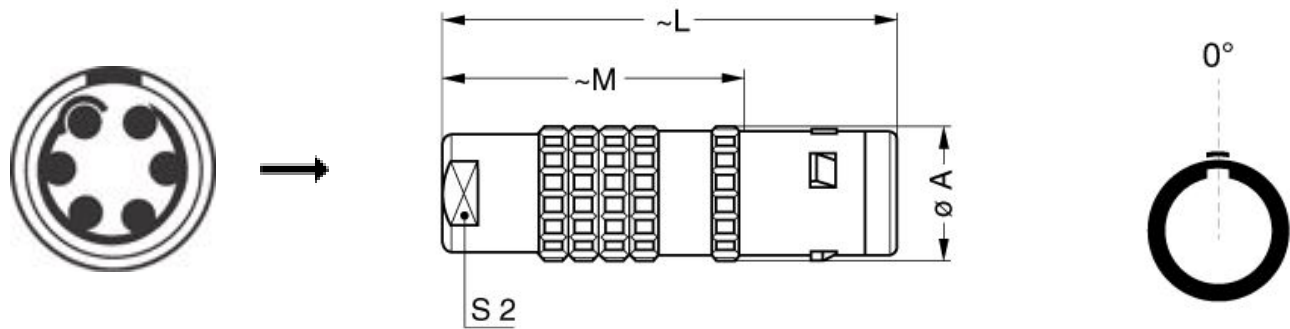
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Vtest (contact-contact): 1350 V (AC), 1910 V (DC)

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    | M    | S2   |
|-----|------|------|------|------|
| mm. | 13   | 42   | 28   | 9    |
| in. | 0,51 | 1,65 | 1,10 | 0,35 |

RECOMMENDED BY LEMO

Tools

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Crimp Tool: [DPC.91.701.V](#)

Crimp settings: AWG/Selector = 22-24-26/6-5-5

Positionner: [DCE.91.071.BVC](#)

Extractor: [DCF.91.070.2LT](#)

Replacement contact: FGG.1B.555.ZZC

Spanner wrench: [DCD.1E.008.PA090](#)

Caps: [BFG.1K.100.NAS](#)

### Cables

|                    |     |       |                                                                                     |
|--------------------|-----|-------|-------------------------------------------------------------------------------------|
| CMN.06.T28.031PGCE | PVC | GREY  |  |
| CMN.06.T28.031PGZE |     | Grey  |  |
| CMN.06.T28.031PNCE | PVC | Black |  |
| CMN.06.T28.031PNZE |     |       |  |

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