

## SUMMARY

### # Wires

Low voltage 12



*Image is for illustrative purpose only*

|                  |                                    |
|------------------|------------------------------------|
| Series           | 2K                                 |
| Termination type | Female solder                      |
| IP rating        | 68                                 |
| AWG wire size    | 30.00 - 22.00                      |
| Cable Ø          | 5.60 - 6.00 mm                     |
| Status           | active                             |
| Matching parts   | <a href="#">FGG.2K.312.CLAC60Z</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 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            | 46.52 g   |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 2K.312 : 12 Low Voltage   |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 7 Amps                    |

### Specifications

Contact Type: Solder  
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
Max. Solid Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
Max. Stranded Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm

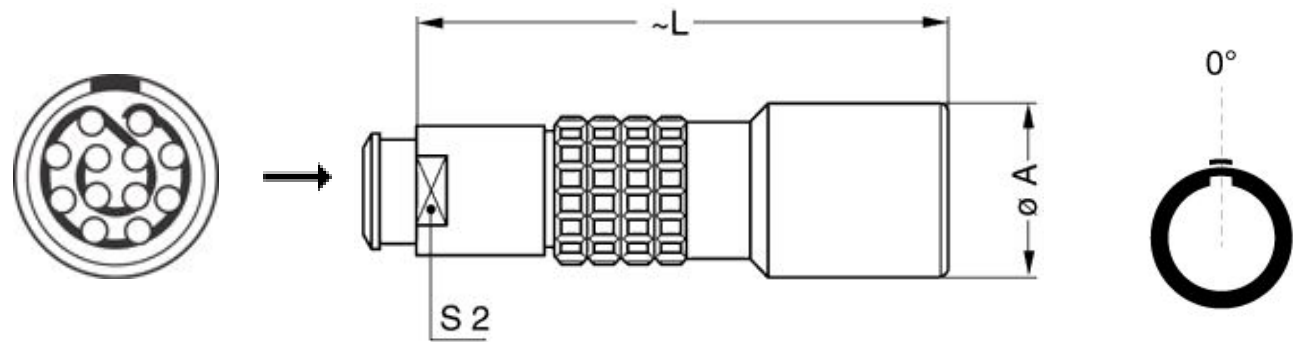
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Vtest (contact-shell): 1350 V (AC), 1910 V (DC)  
Vtest (contact-contact): 1250 V (AC), 1770 V (DC)

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. | 19   | 54   | 12   |
| in. | 0,75 | 2,13 | 0,47 |


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Tools

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Spanner wrench: [DCD.2E.020.PA120](#)

Cables

|        |     |       |   |
|--------|-----|-------|---|
| 112280 | PVC | Black |  |
|--------|-----|-------|---|

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