

## SUMMARY

### # Wires

Low voltage 9



*Image is for illustrative purpose only*

|                  |                                    |
|------------------|------------------------------------|
| Series           | 0T                                 |
| Termination type | Male solder                        |
| IP rating        | 68                                 |
| AWG wire size    | 34.00 - 28.00                      |
| Cable Ø          | 4.60 - 5.00 mm                     |
| Status           | active                             |
| Alternative part | <a href="#">FGG.0T.309.CLAK50Z</a> |
| Matching parts   | <a href="#">EGG.0T.309.CLL</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            | 8.42 g                                                                                                                        |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | T.309 : 9 Low Voltage     |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 2 Amps                    |

### Specifications

Contact Type: Solder  
 Contact Dia.: 0.5 mm (0.02in)  
 Bucket Dia.: 0.45 mm (0.018in)  
 Max. Solid Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
 Max. Stranded Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
 R (max): 8.7 mOhm

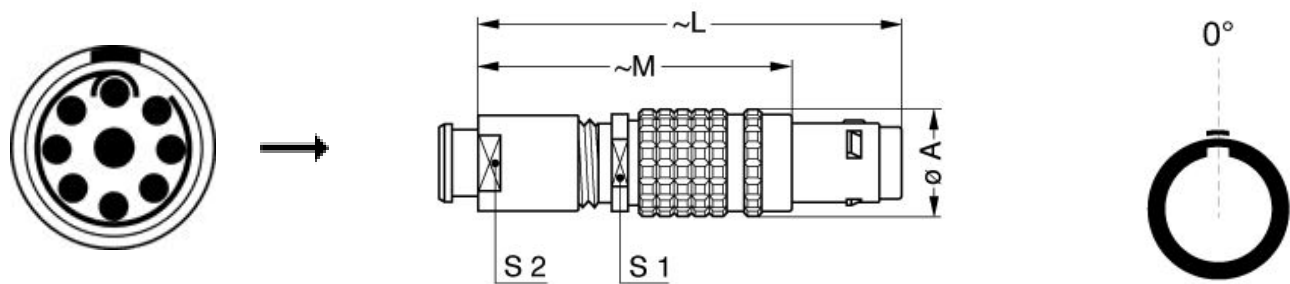
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Vtest (contact-shell): 500 V (AC), 710 V (DC)  
Vtest (contact-contact): 600 V (AC), 850 V (DC)

Others

- Endurance (Shell): >3000 mating cycles
- Temp (min / max): -55°C / +200°C
- Humidity (max): <=95% [at 60 deg C / 140 F]
- Resistance to vibration: 15 g [10 Hz - 2000 Hz]
- Shock Resistance: 100 g [ 6 ms]
- Climatical Category: 50/175/21
- Shielding efficiency (min): 75 dB (at 10 MHz)
- Shielding efficiency (min): 40 dB (at 1 GHz)
- Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

|     | A    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|
| mm. | 9.5  | 38   | 28   | 7.5  | 7    |
| in. | 0,37 | 1,50 | 1,10 | 0,30 | 0,28 |

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Tools

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Cables

|                    |  |  |  |
|--------------------|--|--|--|
| CMN.09.T28.050CNQZ |  |  |  |
|--------------------|--|--|--|

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