

## SUMMARY

### # Wires

Low voltage 3



Image is for illustrative purpose only

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 0T                                |
| Termination type | Male solder                       |
| IP rating        | 68                                |
| AWG wire size    | 28.00 - 20.00                     |
| Cable Ø          | 4.60 - 5.00 mm                    |
| Status           | active                            |
| Alternative part | <a href="#">FGG.0T.303.KLAK50</a> |
| Matching parts   | <a href="#">EGG.0T.303.KLL</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 (black chrome) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Weight            | 8.38 g                                                                                                        |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | T.303 : 3 Low Voltage     |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 8 Amps                    |

### Specifications

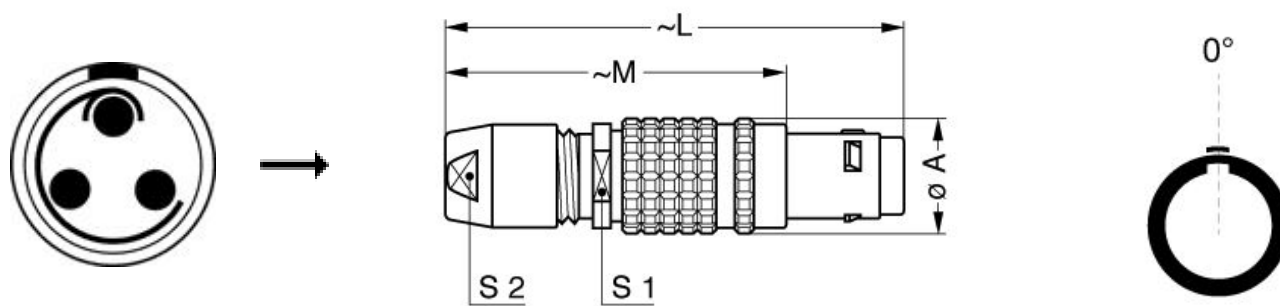
Contact Type: Solder  
Contact Dia.: 0.9 mm (0.035in)  
Bucket Dia.: 1.0 mm (0.039in)  
Max. Solid Conductor: 0.56 mm<sup>2</sup> (AWG 20)  
Max. Stranded Conductor: 0.56 mm<sup>2</sup> (AWG 20)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 900 V (AC), 1270 V (DC)  
Vtest (contact-contact): 1200 V (AC), 1700 V (DC)

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## 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  | 39   | 29   | 7.5  | 7    |
| in. | 0,37 | 1,54 | 1,14 | 0,30 | 0,28 |

## RECOMMENDED BY LEMO

### Tools

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## Cables

|        |     |       |                                                                                     |
|--------|-----|-------|-------------------------------------------------------------------------------------|
| 130240 | PVC | Black |  |
| 3220   | PVC | Black |  |
| 60080  | PVC | Grey  |                                                                                     |

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