

## SUMMARY

### # Wires

Low voltage 5



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 0T                                |
| Termination type | Male crimp                        |
| IP rating        | 68                                |
| AWG wire size    | 26.00 - 22.00                     |
| Cable Ø          | 4.60 - 5.00 mm                    |
| Status           | active                            |
| Alternative part | <a href="#">FGG.0T.305.CYCK50</a> |
| Matching parts   | <a href="#">EGG.0T.305.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            | 9.56 g                                                                                                                        |

### Performance

|               |                            |
|---------------|----------------------------|
| Configuration | T.305 : 5 Low Voltage      |
| Insulator     | Y: PEEK for crimp contacts |
| Rated Current | 6.5 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): 1200 V (AC), 1700 V (DC)

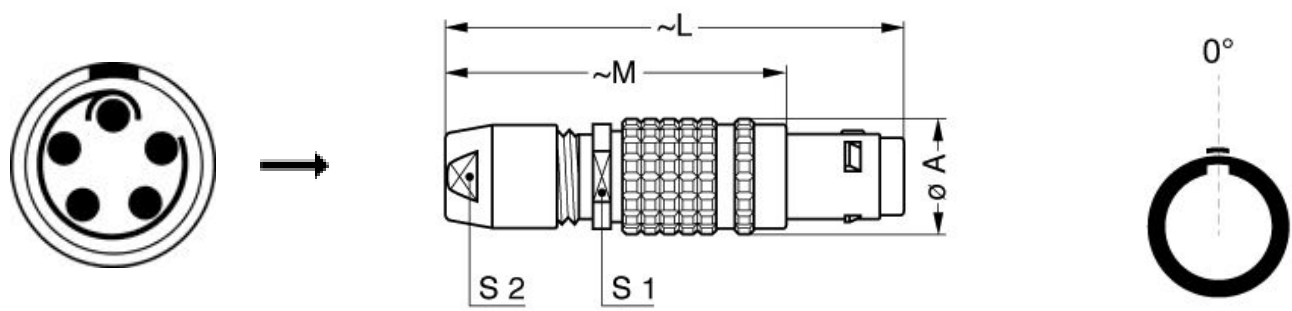
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Vtest (contact-contact): 1250 V (AC), 1770 V (DC)

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

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.91.070.BVC](#)  
Extractor: [DCF.92.070.3LT](#)  
Replacement contact: FGG.0B.555.ZZC

Cables

|       |     |      |                                                                                     |
|-------|-----|------|-------------------------------------------------------------------------------------|
| 50140 | PVC | Grey |  |
|-------|-----|------|-------------------------------------------------------------------------------------|

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