

## SUMMARY

### # Wires

Low voltage 7



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 1T                             |
| Termination type | Male crimp                     |
| IP rating        | 68                             |
| AWG wire size    | 26.00 - 22.00                  |
| Cable Ø          | 6.60 - 7.00 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">EGG.1T.307.CYM</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | FG*: Straight plug with oversize 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            | 33.48 g                                                                                                                       |

### Performance

|               |                            |
|---------------|----------------------------|
| Configuration | T.307 : 7 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)

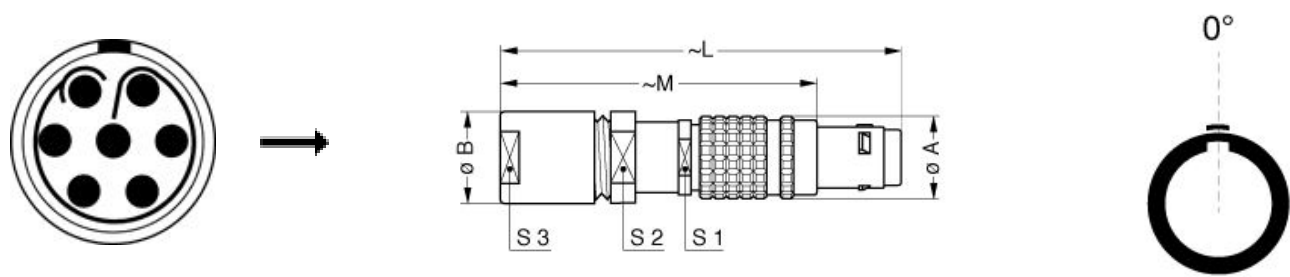
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Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

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    | B    | L    | M    | S1   | S2   | S3   |
|-----|------|------|------|------|------|------|------|
| mm. | 12   | 14.5 | 59.7 | 48.7 | 11   | 12   | 12   |
| in. | 0,47 | 0,57 | 2,35 | 1,92 | 0,43 | 0,47 | 0,47 |

RECOMMENDED BY LEMO

Tools

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|              |                                       |
|--------------|---------------------------------------|
| Crimp Tool:  | <a href="#"><u>DPC.91.701.V</u></a>   |
| Positionner: | <a href="#"><u>DCE.91.071.BVC</u></a> |
| Extractor:   | <a href="#"><u>DCF.91.070.2LT</u></a> |

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