

## SUMMARY

### # Wires

Low voltage 7



*Image is for illustrative purpose only*

|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| Series           | 0B                                                                   |
| Termination type | Male solder                                                          |
| IP rating        | 50                                                                   |
| AWG wire size    | 34.00 - 28.00                                                        |
| Cable Ø          | 3.30 - 4.20 mm                                                       |
| Status           | active                                                               |
| Matching parts   | <a href="#">EGA.0B.307.CLL</a><br><a href="#">PHA.0B.307.CLLD42Z</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | FG*: Straight plug, cable collet and nut for fitting a bend relief                                                            |
| Keying            | 2 keys (alpha=30, 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            | 8.74 g                                                                                                                        |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 0B.307 : 7 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 2.5 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

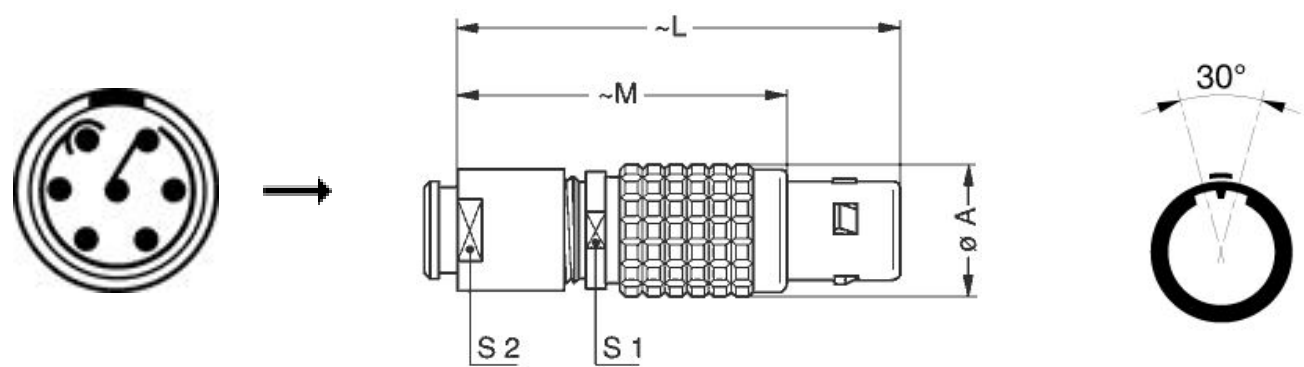
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Vtest (contact-shell): 700 V (AC), 990 V (DC)  
Vtest (contact-contact): 800 V (AC), 1130 V (DC)

Others

Endurance (Shell): 5000  
Temp (min / max): -55°C / +250°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): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

|     | A    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|
| mm. | 9.5  | 35   | 25   | 8    | 7    |
| in. | 0,37 | 1,38 | 0,98 | 0,31 | 0,28 |

RECOMMENDED BY LEMO

Tools

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Spanner wrench: [DCD.OB.005.PA070](#)

Cables

|      |     |       |                                                                                     |
|------|-----|-------|-------------------------------------------------------------------------------------|
| 7050 | PVC | Black |  |
|------|-----|-------|-------------------------------------------------------------------------------------|

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