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# FGA.0B.307.CLAD52Z

## 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** | 4.30 - 5.20 mm |
| **Status** | active |
| **Matching parts** | EGA.0B.307.CLL<br>PHA.0B.307.CLLD52Z |

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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** | 8.64 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^2 (AWG 28)
Max. Stranded Conductor: 0.09 mm^2 (AWG 28)
R (max): 8.7 mOhm

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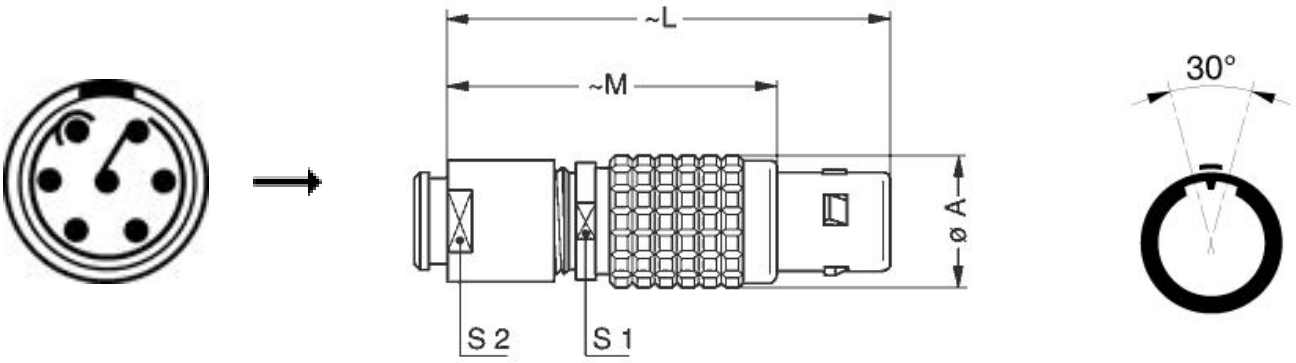
Vtest (contact-shell): 700 V (AC), 990 V (DC)
Vtest (contact-contact): 800 V (AC), 1130 V (DC)

### 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.0B.005.PA070

## Cables

| | | | |
|---|---|---|---|
| CMN.07.T28.044PGZE | | Grey |  |
| CMN.07.T28.044PNZE | | |  |

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