

## SUMMARY

### # Wires

Low voltage 5



*Image is for illustrative purpose only*

|                  |                                   |
|------------------|-----------------------------------|
| Series           | 0B                                |
| Termination type | Female solder                     |
| IP rating        | 50                                |
| AWG wire size    | 30.00 - 22.00                     |
| Cable Ø          | 4.30 - 5.20 mm                    |
| Status           | active                            |
| Matching parts   | <a href="#">FGA.0B.305.CLAD52</a> |

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## TECHNICAL DETAILS

### Mechanics

|                   |   |
|-------------------|---|
| Shell Style/Model | PH*: Free receptacle, 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            | 9.84 g  |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 0B.305 : 5 Low Voltage    |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 6.5 Amps                  |

### Specifications

|  |
|--|
| Contact Type: Solder                                   |
| Contact Dia.: 0.7 mm (0.028in)                         |
| Bucket Dia.: 0.8 mm (0.031in)                          |
| Max. Solid Conductor: 0.34 mm <sup>2</sup> (AWG 22)    |
| Max. Stranded Conductor: 0.34 mm <sup>2</sup> (AWG 22) |
| R (max): 6.1 mOhm                                      |

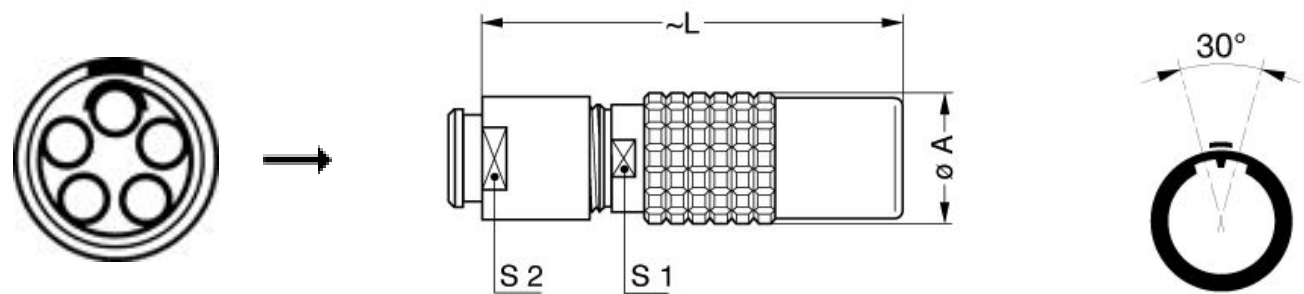
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Vtest (contact-shell): 700 V (AC), 1000 V (DC)  
Vtest (contact-contact): 1000 V (AC), 1400 V (DC)

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    | S1   | S2   |
|-----|------|------|------|------|
| mm. | 9.5  | 34.5 | 8    | 7    |
| in. | 0,37 | 1,36 | 0,31 | 0,28 |


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Tools

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Spanner wrench: [DCD.0B.005.PA070](#)

Cables

|                    |               |       |   |
|--------------------|---------------|-------|---|
| CMN.05.T22.051QGZE | TPR (medical) | Grey  |  |
| 50090              | PVC           | Black |   |
| 50140              | PVC           | Grey  |  |

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