

Part Number FGG · 0B · 304 · 

FGG.0B.304.CLAD52Z

Size/Series 0B / B

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## MECHANICAL DETAILS

|                          |                                                                                             |  |  |  |  |
|--------------------------|---------------------------------------------------------------------------------------------|--|--|--|--|
| <b>Shell Style/Model</b> | FG*: Straight plug, cable collet and nut for fitting a bend relief                          |  |  |  |  |
| <b>Keying</b>            | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                           |  |  |  |  |
| <b>Housing Material</b>  | Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces |  |  |  |  |
| <b>Cable Fixing</b>      | D52: 4.3 - 5.2 mm <b>NEW COLLET</b>                                                         |  |  |  |  |
| <b>Variant</b>           | Z : Nut for fitting a bend relief                                                           |  |  |  |  |

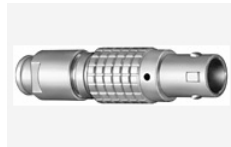
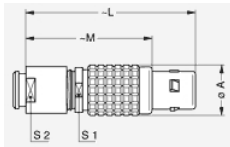
|     | A    | L    | M    | S1   | S2   |
|-----|------|------|------|------|------|
| mm. | 9.5  | 35   | 25   | 8    | 7    |
| in. | 0.37 | 1.38 | 0.98 | 0.31 | 0.28 |

## PERFORMANCE DETAILS

|                                 |                               |
|---------------------------------|-------------------------------|
| <b>Insert Configuration</b>     | 0B.304 : 4 Low Voltage        |
| <b>Insulator</b>                | L: PEEK                       |
| <b>Specifications</b>           |                               |
| <b>Contact Type:</b>            | Solder                        |
| <b>Max. Matings:</b>            | 5000                          |
| <b>Contact Dia.:</b>            | 0.7 mm (0.028in)              |
| <b>Bucket Dia.:</b>             | 0.8 mm (0.031in)              |
| <b>Max. Stranded Conductor:</b> | 0.34 mm <sup>2</sup> (AWG 22) |
| <b>Max. Conductor:</b>          | 0.34 mm <sup>2</sup> (AWG 22) |
| <b>R (max):</b>                 | 6.1 mOhm                      |
| <b>Vtest (contact-contact):</b> | 850 V (AC), 1200 V (DC)       |
| <b>Rated Current:</b>           | 7 A (AC/DC)                   |
| <b>Vtest (contact-shell):</b>   | 1100 V (AC), 1560 V (DC)      |

## OTHER CHARACTERISTICS

|                              |                            |
|------------------------------|----------------------------|
| <b>Endurance (Shell)</b>     | 3839 mating cycles         |
| <b>Temp (min)</b>            | -55°C deg                  |
| <b>Temp (max)</b>            | +250°C deg                 |
| <b>Humidity (max):</b>       | <=95% [at 60 deg C /140 F] |
| <b>Vibration:</b>            | 15 g [10 Hz - 2000 Hz]     |
| <b>Shock Resistance:</b>     | 100 g [ 6 ms]              |
| <b>Salt Spray Corrosion:</b> | >144 hr                    |
| <b>Climatical Category:</b>  | 50/175/21                  |
| <b>Shielding (min):</b>      | 75 dB (10 MHz)             |
| <b>Shielding (min):</b>      | 40 dB (1 GHz)              |
| <b>IP Rating</b>             | 50                         |
| <b>Catalog</b>               |                            |

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