

SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

| | |
|------------------|------------------------------------|
| Series | 0B |
| Termination type | Female solder |
| IP rating | 50 |
| AWG wire size | 28.00 - 20.00 |
| Cable Ø | 4.30 - 5.20 mm |
| Status | active |
| Matching parts | FGG.0B.302.CLAD52Z |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | PH*: Free receptacle, cable collet and nut for fitting a bend relief |
| 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 |
| Variant | Z : Nut for fitting a bend relief |
| Weight | 9.47 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 0B.302 : 2 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 10 Amps |

Specifications

| | |
|--------------------------|-------------------------------|
| Contact Type: | Solder |
| Contact Dia.: | 0.9 mm (0.035in) |
| Bucket Dia.: | 1.0 mm (0.039in) |
| Max. Solid Conductor: | 0.56 mm ² (AWG 20) |
| Max. Stranded Conductor: | 0.56 mm ² (AWG 20) |
| R (max): | 4.8 mOhm |

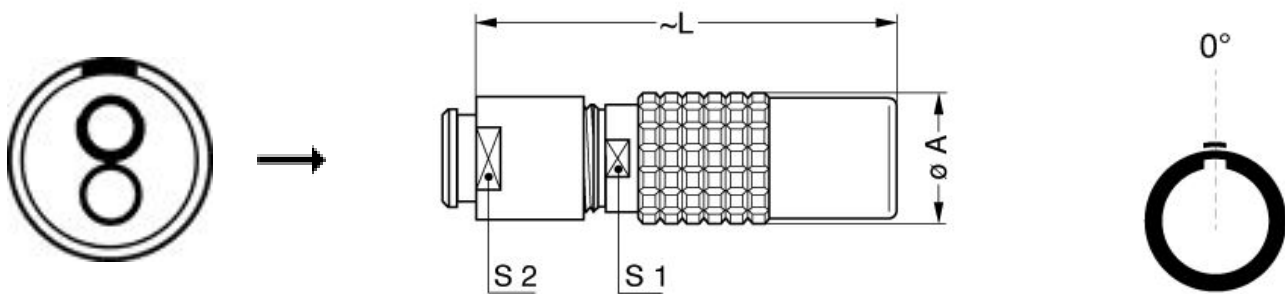
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Vtest (contact-shell): 1050 V (AC), 1490 V (DC)
Vtest (contact-contact): 1000 V (AC), 1400 V (DC)

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 |

RECOMMENDED BY LEMO

Tools

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

Cables

| | | | |
|--------|-----|-------|-------------------------------------------------------------------------------------|
| 120240 | PVC | Black |  |
| 120250 | PVC | Grey |  |
| 2221 | PVC | Black |  |
| 4082 | PVC | Grey | |

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