

SUMMARY

Wires

| | |
|---------|---|
| Low | 2 |
| High | 0 |
| Coax | 0 |
| Triax | 0 |
| Quad | 0 |
| Fiber | 0 |
| Fluidic | 0 |



Image is for illustrative purpose only

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| | |
|------------------|--------------------|
| Series | 1B |
| Termination type | Female solder |
| IP rating | 50 |
| Cable Ø | 4.30 - 5.20 mm |
| Matching parts | FGG.1B.302.CLAD52Z |
| Status | |
| Alternative part | |

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) shell and collet nut, nickel plated brass latch sleeve and mid pieces |
| Cable Fixing | D52: 4.3 - 5.2 mm |
| Variant | Z : Nut for fitting a bend relief |

Performance

| | |
|---------------|----------------------------------------------------------|
| Configuration | 1B.302 : 2 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/3.2, depends on material thickness) |
| Rated Current | 15 Amps |

Specifications

| | |
|--------------------------|------------------------------|
| Contact Type: | Solder |
| Max. Matings: | 5000 |
| Contact Dia.: | 1.3 mm (0.051in) |
| Bucket Dia.: | 1 mm (0.039in) |
| Max. Solid Conductor: | 0.5 mm ² (AWG 20) |
| Max. Stranded Conductor: | 0.5 mm ² (AWG 20) |

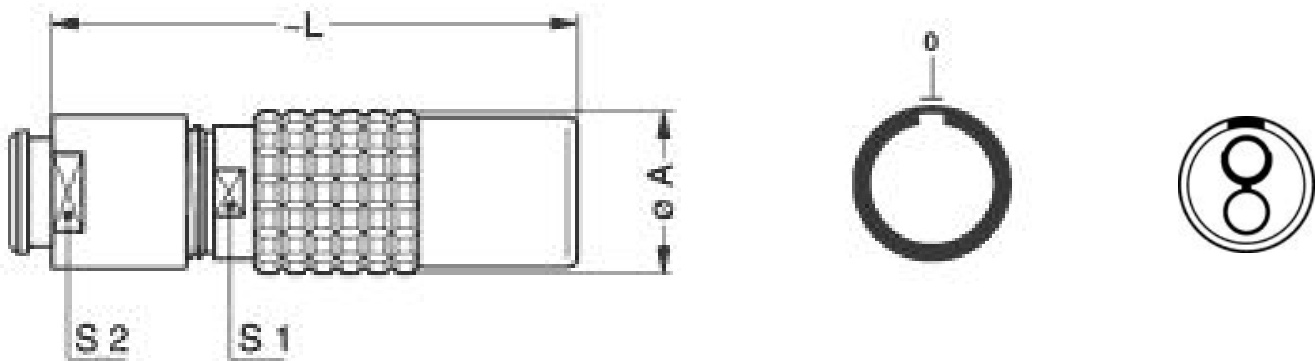
R (max): 3.6 mOhm
Vtest (contact-shell): 1350 V (AC), 1910 V (DC)
Vtest (contact-contact): 1500 V (AC), 2120 V (DC)

Others

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]
Salt Spray Corrosion: >1000 hr
Climatical Category: 50/175/21
Shielding (min): 75 dB (10 MHz)
Shielding (min): 40 dB (1 GHz)
IP Rating: 50

DRAWINGS

Draws



Dimensions















| | A | L | S1 | S2 |
|-----|------|------|------|------|
| mm. | 12.5 | 39.5 | 10 | 9 |
| in. | 0,49 | 1,56 | 0,39 | 0,35 |

RECOMMENDED BY LEMO

Tools

Spanner wrench: DCD.1B.015.PA090

Cables

| | | | |
|--------------------|---------------|-------|------------------------------------------------------------------------------------|
| CMN.02.T20.047PGCE | PVC | GREY |  |
| CMN.02.T20.047PGZE | | Grey |  |
| CMN.02.T20.047PNCE | PVC | Black |  |
| CMN.02.T20.047PNZE | | |  |
| CMN.02.T20.048QGZE | TPR (medical) | Grey |  |
| CMN.02.T22.047PGCE | PVC | GREY |  |
| CMN.02.T22.047PGZE | | Grey |  |
| CMN.02.T22.047PNCE | PVC | Black |  |
| CMN.02.T22.047PNZE | | |  |
| 002 200 | PVC | Black |  |
| 002 221 | PVC | Black |  |
| 004 082 | PVC | Grey | |
| 120 240 | PVC | Black |  |
| 120 250 | PVC | Grey |  |
| 120 501 | PVC | Grey |  |