

SUMMARY

Wires

Low voltage 14



Image is for illustrative purpose only

Series 1B
Termination type Male solder
IP rating 50
AWG wire size 34.00 - 28.00
Cable Ø 3.10 - 4.20 mm
Status active
Matching parts [EGG.1B.314.CLL](#)
[PHG.1B.314.CLLD42Z](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model FG*: Straight plug, 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 16.65 g

Performance

Configuration 1B.314 : 14 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 2 Amps

Specifications

Contact Type: Solder
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Max. Solid Conductor: 0.09 mm² (AWG 28)
Max. Stranded Conductor: 0.09 mm² (AWG 28)
R (max): 8.7 mOhm

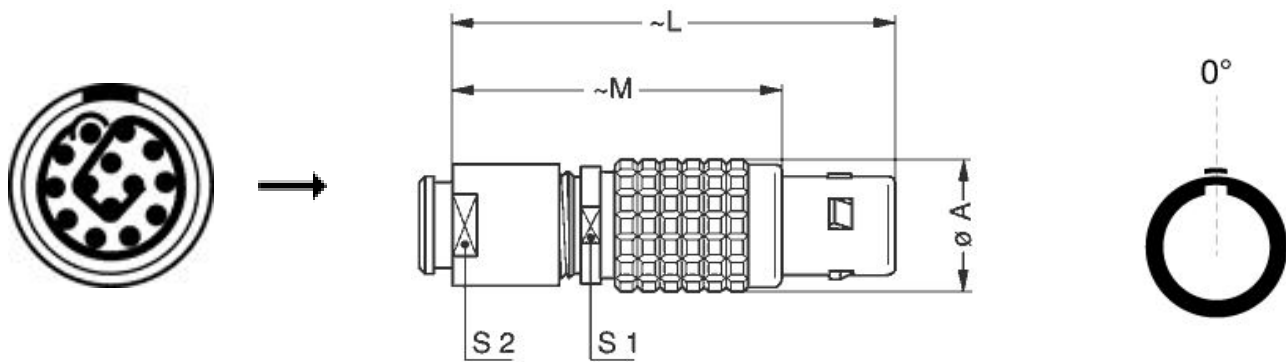
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Vtest (contact-shell): 1200 V (AC), 1700 V (DC)
Vtest (contact-contact): 800 V (AC), 1130 V (DC)

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. | 12 | 42 | 31 | 10 | 9 |
| in. | 0,47 | 1,65 | 1,22 | 0,39 | 0,35 |

RECOMMENDED BY LEMO

Tools

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Spanner wrench: [DCD.1B.015.PA090](#)

Caps: [BFG.1B.100.PCSG](#)

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