

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series	1B
Termination type	Male solder
IP rating	50
AWG wire size	20.00 - 20.00
Cable Ø	5.30 - 6.20 mm
Status	active
Matching parts	EGG.1B.303.CLL PHG.1B.303.CLLD62Z

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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) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Variant	Z : Nut for fitting a bend relief
Weight	15.81 g

Performance

Configuration	1B.303 : 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	12 Amps

Specifications

Contact Type: Solder
Contact Dia.: 1.3 mm (0.051in)
Bucket Dia.: 1 mm (0.039in)
Max. Solid Conductor: 0.5 mm² (AWG 20)
Max. Stranded Conductor: 0.5 mm² (AWG 20)
R (max): 3.6 mOhm
Vtest (contact-shell): 1550 V (AC), 2200 V (DC)

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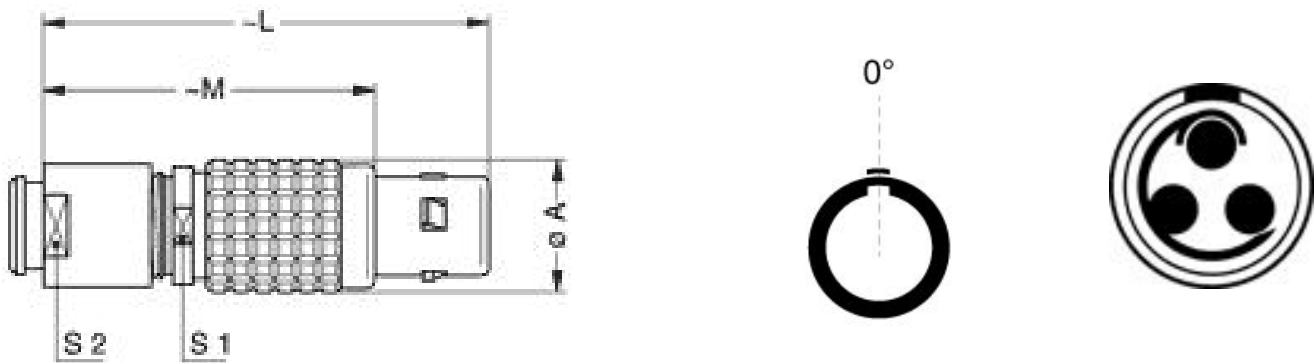
Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

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

Draws



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](#)

Cables

030 200	PVC	Black	
230 500	PVC	Grey	
230 750	PVC	Grey	

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