

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

Series	5B
Termination type	Male solder
IP rating	50
AWG wire size	18.00 - 10.00
Cable Ø	9.60 - 11.50 mm
Status	active
Matching parts	EGG.5B.304.CLL

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[See video assembly instructions](#)

TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug, cable collet
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
Weight	316.97 g

Performance

Configuration	5B.304 : 4 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	35 Amps

Specifications

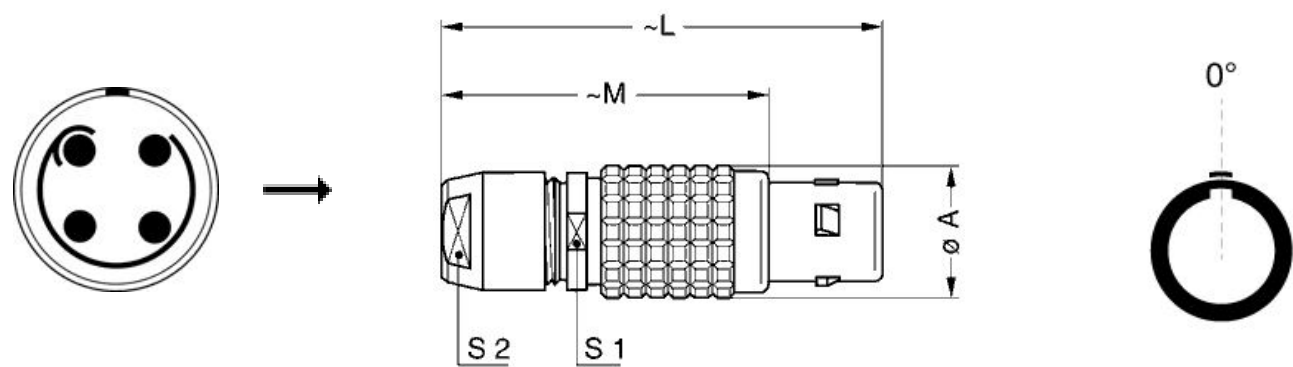
Contact Type:	Solder
Contact Dia.:	4 mm (0.157in)
Bucket Dia.:	3.7 mm (0.146in)
Max. Solid Conductor:	6 mm ² (AWG 10)
Max. Stranded Conductor:	6 mm ² (AWG 10)
R (max):	2.8 mOhm
Vtest (contact-shell):	2650 V (AC), 3750 V (DC)
Vtest (contact-contact):	2950 V (AC), 4170 V (DC)

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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.	35	103	78	31	30
in.	1,38	4,06	3,07	1,22	1,18

RECOMMENDED BY LEMO

Tools

Caps: [BFG.5B.100.NAS](#)

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