

SUMMARY

Wires

Low voltage 6



Image is for illustrative purpose only

Series	1B
Termination type	Male solder
IP rating	50
AWG wire size	30.00 - 22.00
Cable Ø	6.30 - 7.20 mm
Status	active
Matching parts	ECG.1B.306.GLVN

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[See video assembly instructions](#)

TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug, cable collet, PEEK outer shell
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Housing Material	PEEK (Polyetheretherketone) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve+mid pieces (if plug)
Weight	11.68 g

Performance

Configuration	1B.306 : 6 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	7 Amps

Specifications

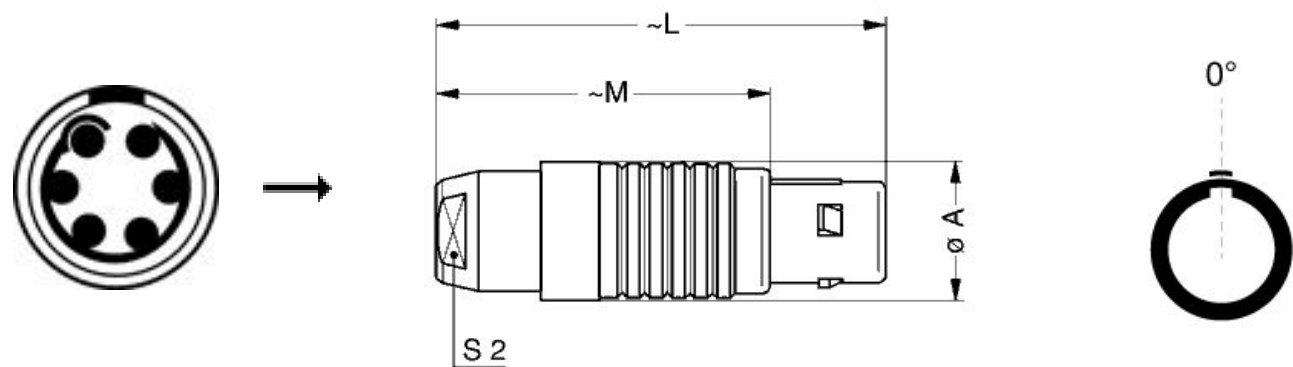
Contact Type:	Solder
Contact Dia.:	0.7 mm (0.028in)
Bucket Dia.:	0.8 mm (0.031in)
Max. Stranded Conductor:	0.34 mm ² (AWG 22)
Max. Conductor:	0.34 mm ² (AWG 22)
R (max):	6.1 mOhm
Vtest (contact-shell):	1200 V (AC), 1700 V (DC)
Vtest (contact-contact):	1050 V (AC), 1490 V (DC)

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Others

- Endurance (Shell): 5000
- Temp (min / max): -50° 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)

DRAWINGS



Dimensions

	A	L	M	S2
mm.	13.5	43	32	10
in.	0,53	1,69	1,26	0,39

RECOMMENDED BY LEMO

Tools

- Spanner wrench: [DCD.1B.015.PA090](#)
- Caps: [BFG.1B.100.PCSG](#)

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