

SUMMARY

Wires

Low voltage 5



Image is for illustrative purpose only

Series	1B
Termination type	Female solder
IP rating	50
AWG wire size	30.00 - 22.00
Cable Ø	3.10 - 4.20 mm
Status	active
Matching parts	FGB.1B.305.CLAD42Z

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PH*: Free receptacle, cable collet and nut for fitting a bend relief
Keying	2 keys (alpha=60, 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

Performance

Configuration	1B.305 : 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	9 Amps

Specifications

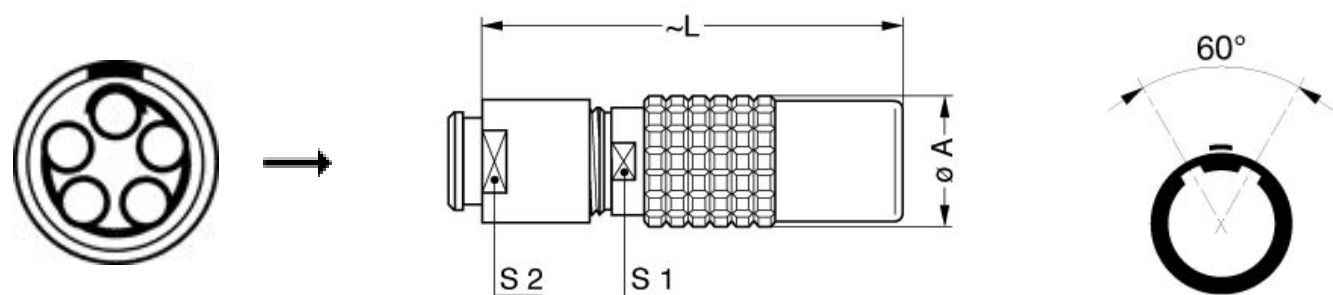
Contact Type:	Solder
Contact Dia.:	0.9 mm (0.035in)
Bucket Dia.:	0.8 mm (0.031in)
Max. Solid Conductor:	0.34 mm ² (AWG 22)
Max. Stranded Conductor:	0.34 mm ² (AWG 22)
R (max):	4.8 mOhm
Vtest (contact-shell):	1150 V (AC), 1630 V (DC)
Vtest (contact-contact):	1250 V (AC), 1770 V (DC)

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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	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](#)

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Cables

5050	PVC	Black	
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