

SUMMARY

Wires

Low voltage 5



Image is for illustrative purpose only

Series	1B
Termination type	Female print 90° PCB
IP rating	50
AWG wire size	30.00 - 22.00
Cable Ø	0.00 - 0.00 mm
Status	Active
Matching parts	FGB.1B.305.CLAD42Z

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	EC*: Fixed receptacle with two nuts and elbow contacts for printed circuit (back panel mounting)
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
Weight	11.05 g

Performance

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

Specifications

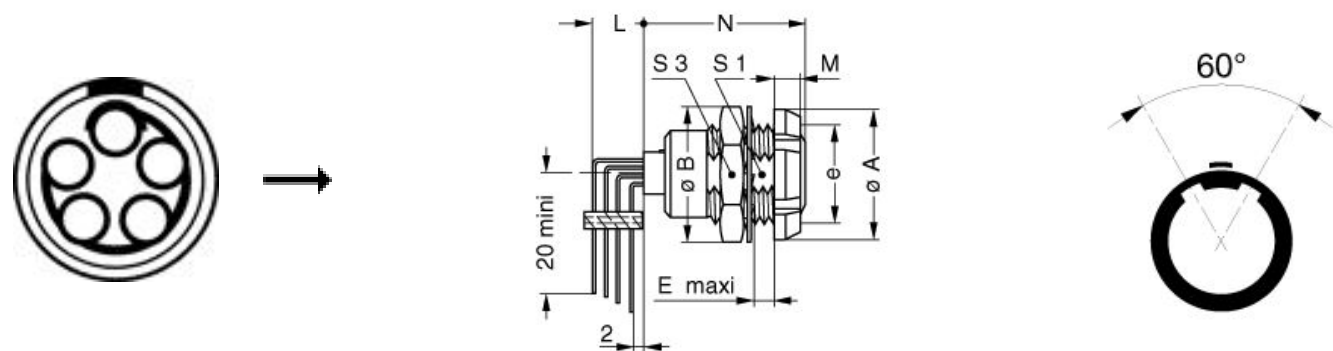
Contact Type: Print (elbow)
Contact Dia.: 0.9 mm (0.035in)
R (max): 4.8 mOhm
Vtest (contact-shell): 1150 V (AC), 1630 V (DC)
Vtest (contact-contact): 1250 V (AC), 1770 V (DC)

Others

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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	B	E	Lmax	M	Nmax	S1	S3	e
mm.	16	15.8	6	32.96	3.5	20.3	10.5	14	M12x1.0
in.	0,63	0,62	0,24	1,30	0,14	0,80	0,41	0,55	

RECOMMENDED BY LEMO

Tools

- Spanner 2: [DCH.91.161.PA](#)
Spanner wrench: [Socket for torque wrench DCM.1S.M12.4](#)

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