

SUMMARY



Image is for illustrative purpose only

Wires

Low voltage 5

Series	OB
Termination type	Male solder
IP rating	50
AWG wire size	30.00 - 22.00
Cable Ø	3.30 - 4.20 mm
Status	active
Alternative part	FPB.OB.305.CLAD42Z
Matching parts	EGB.OB.305.CLL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FH*: Elbow plug, 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
Weight	13.02 g

Performance

Configuration	OB.305 : 5 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	6.5 Amps

Specifications

Contact Type: Solder
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Stranded Conductor: 0.34 mm² (AWG 22)
Max. Conductor: 0.34 mm² (AWG 22)
R (max): 6.1 mOhm

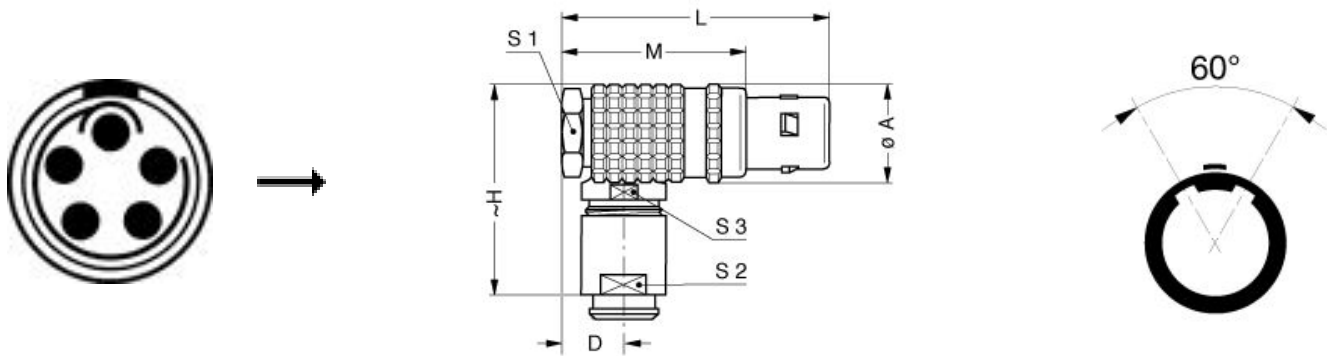
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Vtest (contact-shell): 700 V (AC), 1000 V (DC)
 Vtest (contact-contact): 1000 V (AC), 1400 V (DC)

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



Dimensions

	A	D	H	L	M	S1	S2	S3
mm.	11	6.5	22.4	29.8	19.8	9	7	8
in.	0,43	0,26	0,88	1,17	0,78	0,35	0,28	0,31

RECOMMENDED BY LEMO

Tools

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Spanner wrench:

[DCD.OB.005.PA070](#)

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