

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low	5
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0

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Series	1B
Termination type	Male crimp
IP rating	50
Cable Ø	6.30 - 7.20 mm
Matching parts	EGG.1B.305.CLL
Status	active
Alternative part	

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FP*: Elbow (90°) plug with cable collet
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Cable Fixing	D72: 6.3 - 7.2 mm
Variant	
Weight	22.03 g

### Performance

Configuration	1B.305 : 5 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	9 Amps

### Specifications

Contact Type: Crimp
Max. Matings: 5000
Contact Retention: 30 N

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Contact Dia.: 0.9 mm (0.035in)  
 Bucket Dia.: 1.1 mm (0.043in)  
 Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
 Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
 R (max): 4.8 mOhm  
 Vtest (contact-shell): 1550 V (AC), 2200 V (DC)  
 Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

## Others

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]  
 Salt Spray Corrosion: >1000 hr  
 Climatical Category: 50/175/21  
 Shielding (min): 75 dB (10 MHz)  
 Shielding (min): 40 dB (1 GHz)  
 IP Rating: 50

## DRAWINGS

### Draws



### Dimensions

	A	H	L	M	S1	S2	S3
mm.	12	29	36	25	11	9	10
in.	0,47	1,14	1,42	0,98	0,43	0,35	0,39

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# RECOMMENDED BY LEMO

## Tools

Crimp Tool: DPC.91.701.V  
Crimp settings: AWG/Selector = 20-22-24/6-5-5  
Positionner: DCE.91.091.BVC  
Extractor: DCF.91.090.2LT  
Replacement contact: FGG.1B.560.ZZC  
Spanner wrench: DCD.1B.015.PA090

## Cables

250 500	PVC	Grey	
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