

## SUMMARY

### # Wires

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

Series	1B
Termination type	Male crimp
IP rating	50
Cable Ø	6.30 - 7.20 mm
Status	active
Alternative part	
Matching parts	<a href="#">EGG.1B.305.CYM</a>



*Image is for illustrative purpose only*

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## 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
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
Contact Retention: 30 N
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 1.1 mm (0.043in)

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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

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  
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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