

## SUMMARY



Image is for illustrative purpose only

### # Wires

Low	7
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	4.30 - 5.20 mm
Matching parts	EGG.1B.307.CLL
Status	
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	D52: 4.3 - 5.2 mm
Variant	

### Performance

Configuration	1B.307 : 7 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	7 Amps

### Specifications

Contact Type: Crimp
Max. Matings: 5000
Contact Retention: 22 N
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.8 mm (0.031in)
Min. Conductor: 0.14 mm <sup>2</sup> (AWG 26)

Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm  
Vtest (contact-shell): 1450 V (AC), 2050 V (DC)  
Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

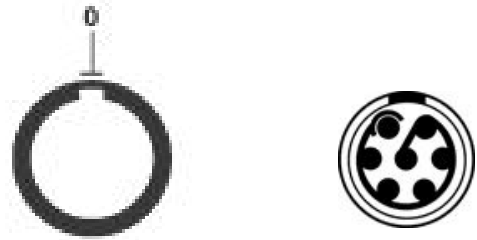
## Others

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

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## 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 = 22-24-26/6-5-5

Positionner: DCE.91.071.BVC  
 Extractor: DCF.91.070.2LT  
 Replacement contact: FGG.1B.555.ZZC  
 Spanner wrench: DCD.1B.015.PA090

## Cables

CMN.07.T28.044PGCE	PVC	GREY	
CMN.07.T28.044PGZE		Grey	
CMN.07.T28.044PNCE	PVC	Black	
CMN.07.T28.044PNZE			
070 140	PVC	Grey	