

## SUMMARY

### # Wires

Low	16
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0



*Image is for illustrative purpose only*

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Series	1B
Termination type	Male crimp
IP rating	50
Cable Ø	3.10 - 4.20 mm
Matching parts	EGG.1B.316.CYM
Status	
Alternative part	

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FP*: Elbow (90°) plug with cable collet for bend relief
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	D42: 3.1 - 4.2 mm
Variant	Z : Nut for fitting a bend relief

### Performance

Configuration	1B.316 : 16 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	1.5 Amps

### Specifications

Contact Type: Crimp
Max. Matings: 5000
Contact Retention: 12 N
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Min. Conductor: 0.035 mm <sup>2</sup> (AWG 32)

Max. Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
R (max): 8.7 mOhm  
Vtest (contact-shell): 1600 V (AC), 2250 V (DC)  
Vtest (contact-contact): 950 V (AC), 1340 V (DC)

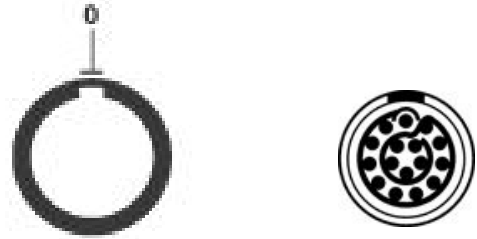
## Others

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	33.5	36	25	11	9	10
in.	0,47	1,32	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 = 28-30-32/4-3-3

Positionner: DCE.91.051.BVC  
Extractor: DCF.91.050.2LT  
Replacement contact: FGG.1B.554.ZZC  
Spanner wrench: DCD.1B.015.PA090

## Cables