

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.CLL
Status	active
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
Weight	23.64 g

Performance

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

Specifications

Contact Type: Crimp
Max. Matings: 3000

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Contact Retention: 12 N
 Contact Dia.: 0.5 mm (0.02in)
 Bucket Dia.: 0.45 mm (0.018in)
 Min. Conductor: 0.035 mm² (AWG 32)
 Max. Conductor: 0.09 mm² (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

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

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