

FPG.1B.316.CYCD42Z

SUMMARY

Wires

Low	16
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0
Series	1B
Termination type	Male crimp
IP rating	50
IP rating Cable Ø	-
-	50
Cable Ø	50 3.10 - 4.20 mm

Image is for illustrative purpose only

<u>Catalog</u>

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FP*: Elbow (90Å $^{\circ}$) 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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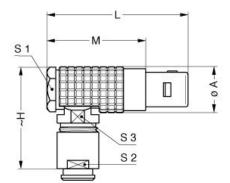
Contact Retention: 12 N Contact Dia.: 0.5 mm (0.02in) Bucket Dia.: 0.45 mm (0.018in) Min. Conductor: 0.035 mm^2 (AWG 32) Max. Conductor: 0.09 mm^2 (AWG 28) R (max): 8.7 mOhm Vtest (contact-shell): 1600 V (AC), 2250 V (DC) Vtest (contact-contact): 950 V (AC), 1340 V (DC)

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

	А	н	L	Μ	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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