

www.lemo.com

FPG.1B.306.CYCD42Z

SUMMARY

Wires

 Low
 6

 High
 0

 Coax
 0

 Triax
 0

 Quad
 0

 Fiber
 0

 Fluidic
 0

Series 1B

Termination type Male crimp

IP rating 50

Cable Ø 3.10 - 4.20 mm

Matching parts EGG.1B.306.CLL

Status active

Alternative part



Image is for illustrative purpose only

Download

Request a quote

Catalog

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 24.27 g

Performance

Configuration 1B.306 : 6 Low Voltage

Insulator Y: PEEK for crimp contacts

Rated Current 7 Amps

Specifications

Contact Type: Crimp Max. Matings: 5000

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Contact Retention: 22 N Contact Dia.: 0.7 mm (0.028in) Bucket Dia.: 0.8 mm (0.031in)

Min. Conductor: 0.14 mm² (AWG 26) Max. Conductor: 0.34 mm² (AWG 22)

R (max): 6.1 mOhm

Vtest (contact-shell): 1450 V (AC), 2050 V (DC) Vtest (contact-contact): 1350 V (AC), 1910 V (DC)

Others

Temp (min / max): -55° C / $+250^{\circ}$ C

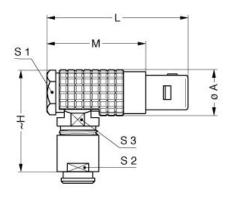
Humidity (max): <=95% [at 60 deg C /140 F]

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	М	S1	S2	S 3
mm.	12	33.5	36	25	11	9	10
in.	0,47	1,32	1,42	0,98	0,43	0,35	0,39

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

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.06.T26.037QGZE	TPR (medical)	Grey	>
CMN.06.T28.031PGCE	PVC	GREY	>====
CMN.06.T28.031PGZE		Grey	>
CMN.06.T28.031PNCE	PVC	Black	> ====
CMN.06.T28.031PNZE			>
CMN.06.T28.042QBCE	TPR (medical)		
060 260	PTFE	White	>

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.