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# FPG.1B.305.CYCD72Z

### **SUMMARY**

#### # Wires

 Low
 5

 High
 0

 Coax
 0

 Triax
 0

 Quad
 0

 Fiber
 0

 Fluidic
 0

Series 1B

**Termination type** Male crimp

IP rating 50

Cable Ø 6.30 - 7.20 mm

Matching parts EGG.1B.305.CLL

Status active

Alternative part



Image is for illustrative purpose only

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## **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** D72: 6.3 - 7.2 mm

**Variant** Z: Nut for fitting a bend relief

Weight 22.03 g

#### **Performance**

Configuration 1B.305 : 5 Low Voltage

Insulator Y: PEEK for crimp contacts

Rated Current 9 Amps

#### **Specifications**

Contact Type: Crimp Max. Matings: 5000

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Contact Retention: 30 N Contact Dia.: 0.9 mm (0.035in) Bucket Dia.: 1.1 mm (0.043in)

Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24) Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)

R (max): 4.8 mOhm

Vtest (contact-shell): 1550 V (AC), 2200 V (DC) Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

#### **Others**

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

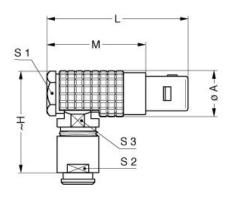
Humidity (max): <=95% [at 60 deg C /140 F]

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	<b>S</b> 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

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## **RECOMMENDED BY LEMO**

#### **Tools**

Crimp Tool: DPC.91.701.V Crimp settings: AWG/Selector = 20-22-24/6-5-5

Positionner: DCE.91.091.BVC Extractor: DCF.91.090.2LT

Replacement contact: FGG.1B.560.ZZC Spanner wrench: DCD.1B.015.PA090

#### **Cables**

