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# FPG.1K.305.CYCC65Z

# **SUMMARY**

#### # Wires

 Low
 5

 High
 0

 Coax
 0

 Triax
 0

 Quad
 0

 Fiber
 0

 Fluidic
 0

Series 1K

**Termination type** Male crimp

IP rating 68

Cable Ø 6.10 - 6.50 mm

Matching parts EGG.1K.305.CYM

**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** C65: 6.1 - 6.5 mm

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

Weight 34.46 g

#### **Performance**

Configuration 1K.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**

Endurance (Shell): 5000 mating cycles Temp (min / max): -55°C / +200°C

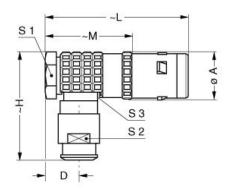
Humidity (max): <=95% [at 60 deg C /140 F]

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): 95 dB (10 MHz) Shielding (min): 80 dB (1 GHz)

IP Rating: 68

# **DRAWINGS**

## **Draws**







#### **Dimensions**

	А	D	Н	L	М	S1	S2	<b>S</b> 3
mm.	13	8.7	37.5	42	28	11	9	10
in.	0,51	0,34	1,48	1,65	1,10	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.1E.008.PA090

#### **Cables**

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