

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# PEN.2M.310.XLMT

## **SUMMARY**

#### # Wires

 Low
 10

 High
 0

 Coax
 0

 Triax
 0

 Quad
 0

 Fiber
 0

 Fluidic
 0

Series 2M

**Termination type** Female crimp

IP rating 68

Cable Ø 6.50 - 13.00 mm

Matching parts FMN.2M.310.XLCT

Status

Alternative part



Image is for illustrative purpose only

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# **TECHNICAL DETAILS**

### **Mechanics**

Shell Style/Model PE\*: Fixed receptacle, nut fixing and mold stop

**Keying** 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)

Housing Material Environment friendly aluminium (nickel plated, anthracite color) shell and nut, other pieces

bronze/brass

Cable Fixing : 6.5 - 13 mm

Variant

## **Performance**

Configuration 2M.310: 10 Low Voltage

Insulator

Rated Current 8 Amps

## **Specifications**

Contact Type: Crimp Max. Matings: 5000 Contact Retention: 30 N Contact Dia.: 0.9 mm (0.035in)

Bucket Dia.: 1.1 mm (0.043in)

Min. Conductor: 0.25 mm^2 (AWG 24) Max. Conductor: 0.5 mm^2 (AWG 20)

R (max): 4.8 mOhm

Test voltage (kV rms) Contact-contact: 1.8 Test voltage (kV rms) Contact-shell: 1.2

## **Others**

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

Vibration: 15 g [10 Hz - 2000 Hz] Shock Resistance: 100 g [ 6 ms]

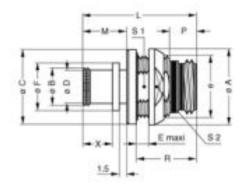
Operating temperature: -55°C/ +200°C Climatical Category: 15/200/21 (Al. shell) Lighting strike EIA 364-75 10K amps - 6 times

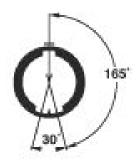
EMI Shielding EIA 364-66A - 1Ghz-80 dB,3GHz-70 dB,6GHz- 58dB

IP Rating: 68

## **DRAWINGS**

### **Draws**







### **Dimensions**

		A	В	С	D	E	Lr	Ls	М	Р	R	<b>S</b> 1	S2	e
	mm.	21	14	20.8	13	5	26	26	10.1	5.3	13.8	15.5	18	M17x1.00
	in.	0,83	0,55	0,82	0,51	0,20	1,02	1,02	0,40	0,21	0,54	0,61	0,71	

## **RECOMMENDED BY LEMO**

#### **Tools**

Crimp Tool: DPC.91.701.V

Crimp settings: AWG/Selector = 20-22-24/6-5-5

Positionner: DCE.91.090.3MVM Extractor: DCF.93.090.4LT

Replacement contact: EGN.0M.660.ZZM Spanner wrench: DCM.65.000.4PA

## Cables

PVC	GREY	
	Grey	
PVC	Black	
TPR	Grey	
PVC	GREY	
	Grey	
PVC	Black	
TPR (medical)	Grey	
PVC	Black	
PVC	Black	
PVC	Black	
PVC	Grey	
	PVC  TPR PVC  PVC  TPR (medical) PVC PVC PVC	Grey  PVC  Black  TPR  Grey  PVC  GREY  Grey  PVC  Black  TPR (medical)  FVC  Black  PVC  Black  PVC  Black  PVC  Black  Black  PVC  Black  Black