

SUMMARY

Wires

Low voltage 12



Image is for illustrative purpose only

Series 2M
Termination type Male crimp
IP rating 68
AWG wire size 26.00 - 22.00
Cable Ø 6.50 - 13.00 mm
Status active

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TECHNICAL DETAILS

Mechanics

Shell Style/Model FM*: Straight plug, key (N) or keys (P, R, S, T, U, V, W and X) with knurled grip and mold stop
Keying 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Housing Material
Variant T : Natural aluminum color
Weight 10.03 g

Performance

Configuration 2M.312 : 12 Low Voltage
Insulator L: PEEK
Rated Current 7 Amps

Specifications

Contact Type: Crimp
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)

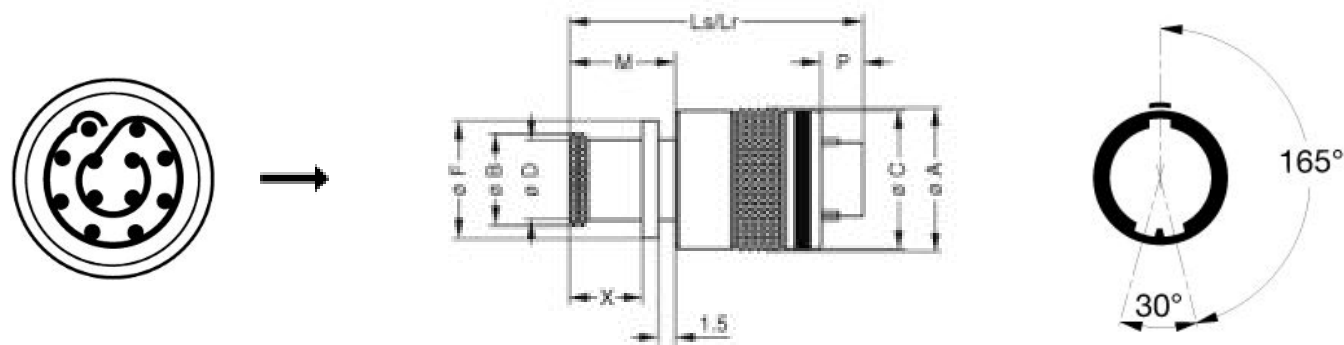
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R (max): 6.1 mOhm
Test voltage (kV rms) Contact-contact: 1.65
Test voltage (kV rms) Contact-shell: 1.15

Others

Endurance (Shell): 3000 mating cycles
Humidity (max): 21 days at 95%
Gunfire vibration: 25 Hz - 2000 Hz, 3 axis (Apache helicopter)
Vibration-Sine: 30 g, 3 axes, 12 hr [10 Hz - 2000 Hz]
Vibration-Random: 37.8 g rms - 3 axes, 4 hr amb [50 Hz - 2000 Hz]
Shock Resistance: 300 g [3 ms]
Lighting strike EIA 364-75: 10K amps - 6 times
Thermal shock: 5 cycles: -65° C to +150° C
EMI Shielding EIA 364-66A: >= 80 dB (1 GHz), >=70 dB (3 GHz), >= 58 dB (6 GHz), >= 40 dB (10 GHz)

DRAWINGS



Dimensions

	A	B	C	D	F	Lr	Ls	M	P	X
mm.	17.6	14	17.2	13	15.5	27.5	27.5	10.1	3.9	7.1
in.	0,69	0,55	0,68	0,51	0,61	1,08	1,08	0,40	0,15	0,28

RECOMMENDED BY LEMO

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Tools

Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 22-24-26/6-5-5
Positionner:	DCE.91.070.5MVC
Extractor:	DCF.93.070.4LT
Replacement contact:	FGN.0M.555.ZZC

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