

SUMMARY

Wires

Low voltage 10

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
Matching parts [PHN.2M.310.XLPT](#)



Image is for illustrative purpose only

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TECHNICAL DETAILS

Mechanics

Shell Style/Model FG*: Straight plug with arctic grip and mold stop
Keying 3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Housing Material Aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass
Weight 10.37 g

Performance

Configuration 2M.310 : 10 Low Voltage
Insulator L: PEEK
Rated Current 8 Amps

Specifications

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

Others

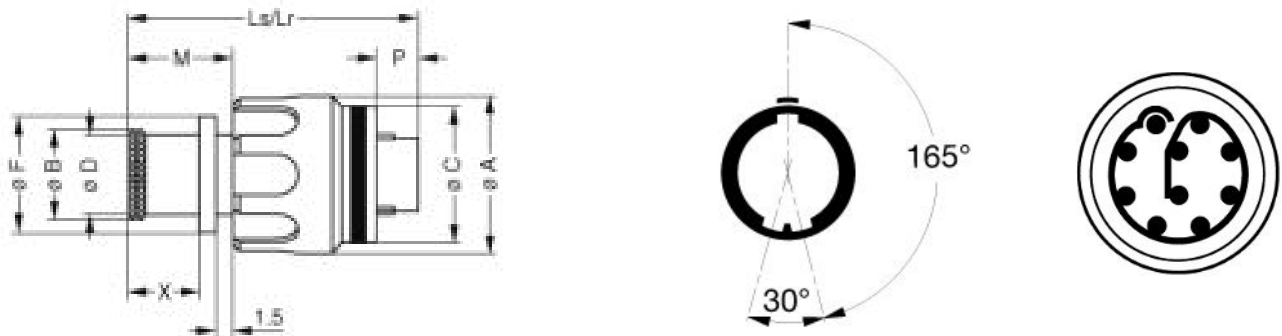
Endurance (Shell): 3000 mating cycles
Temp (min / max): -20° C / +200° C
Humidity (max): 21 days at 95%

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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)
 Salt Spray Corrosion: max. 48 hr

DRAWINGS

Draws



Dimensions

	A	B	C	D	F	Lr	Ls	M	P	X
mm.	18.9	14	17.2	13	15.5	27.5	27.5	10.1	3.9	7.1
in.	0.74	0.55	0.68	0.51	0.61	1.08	1.08	0.40	0.15	0.28

RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.701.V](#)
 Positionner: [DCE.91.090.5MVC](#)
 Extractor: [DCF.93.090.4LT](#)
 Replacement contact: FGN.0M.561.ZZC

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Cables

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