

SUMMARY

Wires

Low voltage 19



Image is for illustrative purpose only

Series 2M
Termination type Male crimp
IP rating 68
AWG wire size 32.00 - 28.00
Cable Ø 6.50 - 13.00 mm
Status active

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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 [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Weight 11.49 g

Performance

Configuration 2M.319 : 19 Low Voltage
Insulator L: PEEK
Rated Current 4 Amps

Specifications

Contact Type: Crimp
Test voltage (kV rms) Contact-contact: 1.2
Test voltage (kV rms) Contact-shell: 0.95

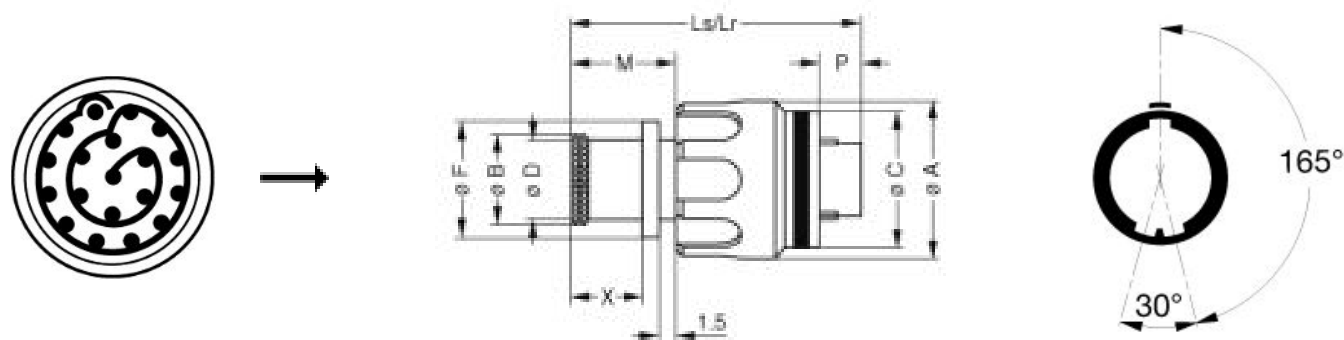
Others

Endurance (Shell): 3000 mating cycles
Temp (min / max): -20°C / +200°C

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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)
Salt Spray Corrosion: max. 48 hr

DRAWINGS



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](#)
- Crimp settings: AWG/Selector = 28-30-32/4-3-3
- Positionner: [DCE.91.070.5MVC](#)

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Extractor: [DCF.93.070.4LT](#)

Replacement contact: FGN.0M.556.ZZC

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