

PEN.2M.319.XLMT

SUMMARY

Wires

Low voltage

19

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Image is for illustrative purpose only

Series	2M
Termination type	Female crimp
IP rating	68 when mated
AWG wire size	26.00 - 22.00
Cable Ø	6.50 - 13.00 mm
Status	active
Matching parts	FMN.2M.319.XLCT

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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	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Weight	13.98 g
Performance	
Configuration	2M.319:19 Low Voltage
Insulator	L: PEEK
Rated Current	4 Amps
Specifications	

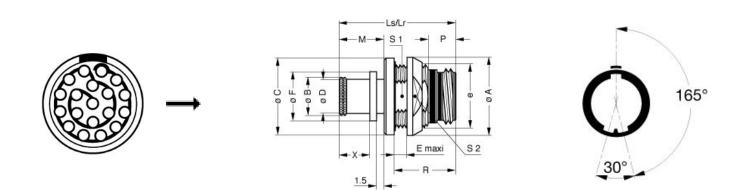
Contact Type: Crimp Contact Retention: 22 N Contact Dia.: 0.7 mm (0.028in) Bucket Dia.: 0.8 mm (0.031in) Min. Conductor: 0.14 mm² (AWG 26) Max. Conductor: 0.34 mm² (AWG 22) R (max): 6.1 mOhm Test voltage (kV rms) Contact-contact: 1.2

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Others

Endurance (Shell): 3000 mating cycles Temp (min / max): -20° C / $+200^{\circ}$ C 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 $+150^{\circ}$ 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	В	С	D	E	Lr	Ls	Μ	Р	R	S1	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

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Tools

Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 22-24-26/6-5-5
Positionner:	DCE.91.070.3MVM
Extractor:	DCF.93.070.4LT
Replacement contact:	EGN.0M.655.ZZM
Spanner wrench:	Socket for torque wrench DCM.65.180.AZ

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