

SUMMARY

Wires

Low voltage 19



Image is for illustrative purpose only

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

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	EG*: Fixed receptacle, nut fixing
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	8.71 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
Test voltage (kV rms) Contact-shell: 0.95

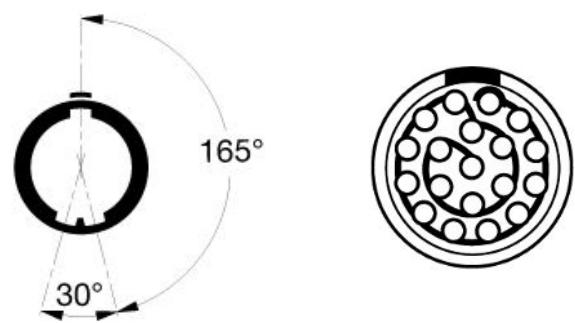
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Others

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

	C	D	E	Ls	Ls	P	S1	S2	e
mm.	17.2	6.8	4.5	18.3	18.3	5.3	12.5	17	M14x1.0
in.	0.68	0.27	0.18	0.72	0.72	0.21	0.49	0.67	

RECOMMENDED BY LEMO

Tools

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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

Cables

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