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PES.2M.319.CLCT

SUMMARY

Wires

Low voltage	**19**



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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Catalog

TECHNICAL DETAILS

Mechanics

Shell Style/Model	PE*: Fixed receptacle, nut fixing and mold stop
Keying	3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts)
Housing Material	Brass (chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Weight	14.30 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 mm^2 (AWG 26)
Max. Conductor: 0.34 mm^2 (AWG 22)
R (max): 6.1 mOhm
Test voltage (kV rms) Contact-contact: 1.2
Test voltage (kV rms) Contact-shell: 0.95

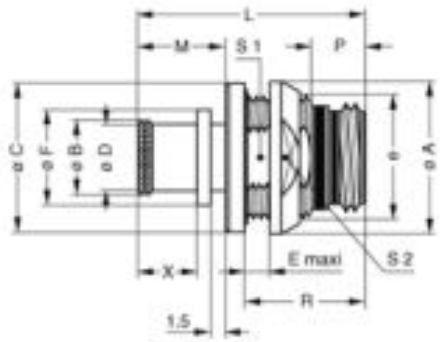
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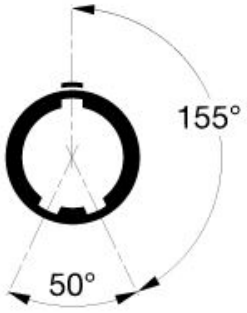
Others

Endurance (Shell): 3000 mating cycles
Temp (min / max): -55°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: >1000 hr

DRAWINGS

Draws







Dimensions

	A	B	C	D	E	Lr	Ls	M	P	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

Tools

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Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 22-24-26/6-5-5
Positionner:	DCE.91.070.5MVC
Extractor:	DCF.93.070.4LT
Replacement contact:	FGN.0M.555.ZZC
Spanner wrench:	DCM.65.000.4PA

Cables

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