

SUMMARY

Wires

Low	7
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0

Series	1M
Termination type	Female crimp
IP rating	68
Cable Ø	4.85 - 9.70 mm
Matching parts	FMN.1M.307.XLCT
Status	active
Alternative part	



Image is for illustrative purpose only

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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	Environment friendly aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass
Cable Fixing	: 4.85 - 9.7 mm
Variant	
Weight	8.70 g

Performance

Configuration	1M.307 : 7 Low Voltage
Insulator	
Rated Current	7.0 Amps

Specifications

Contact Type: Crimp
Max. Matings: 3000

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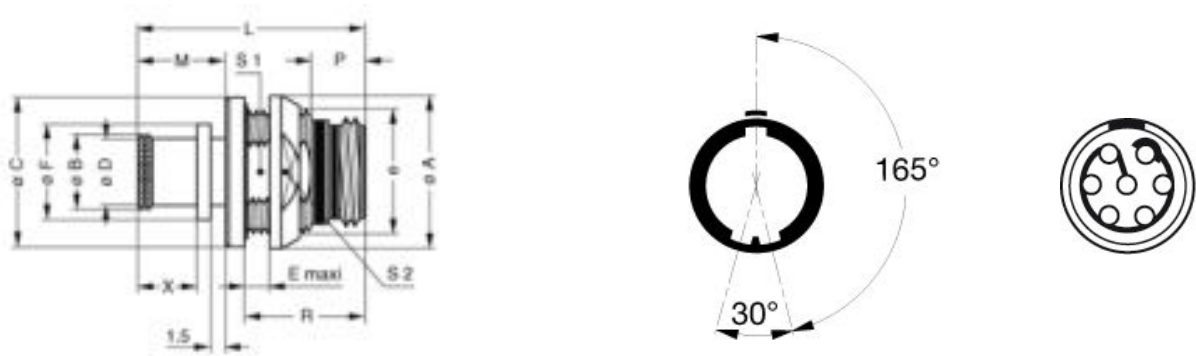
Contact Retention: 22 N
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.8 mm (0.031in)
Min. Conductor: 0.14 mm² (AWG 26)
Max. Conductor: 0.34 mm² (AWG 22)
R (max): 6.1 mOhm
Test voltage (kV rms) Contact-contact: 1.45
Test voltage (kV rms) Contact-shell: 1.2

Others

Humidity (max): <=95% [at 60 deg C / 140 F]
Vibration: 15 g [10 Hz - 2000 Hz]
Shock Resistance: 100 g [6 ms]
Operating temperature: -55° C/ +200° C
Climatical Category: 15/200/21 (Al. shell)
Lighting strike EIA 364-75 10K amps - 6 times
EMI Shielding EIA 364-66A - 1Ghz-80 dB,3GHz-70 dB,6GHz- 58dB
IP Rating: 68

DRAWINGS

Draws



Dimensions

	A	B	C	D	E	Lr	Ls	M	P	R	S1	S2	e
mm.	18	10.5	17.8	9.7	5	25.6	25.6	9.7	5.3	13.8	12.5	16	M14x1.00
in.	0,71	0,41	0,70	0,38	0,20	1,01	1,01	0,38	0,21	0,54	0,49	0,63	

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RECOMMENDED BY LEMO

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: DCM.65.000.4PA

Cables

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