

## SUMMARY



*Image is for illustrative purpose only*

### # Wires

Low	5
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0

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Series	1M
Termination type	Male crimp
IP rating	68
Cable Ø	0.00 - 0.00 mm
Matching parts	FMS.1M.305.XLM
Status	active
Alternative part	

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	ED*: Fixed receptacle with square flange
Keying	3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts)
Housing Material	Environment friendly aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass
Cable Fixing	∅ 0 - 0 mm
Variant	
Weight	5.28 g

### Performance

Configuration	1M.305 : 5 Low Voltage
Insulator	
Rated Current	9.0 Amps

### Specifications

Contact Type: Crimp  
Max. Matings: 3000

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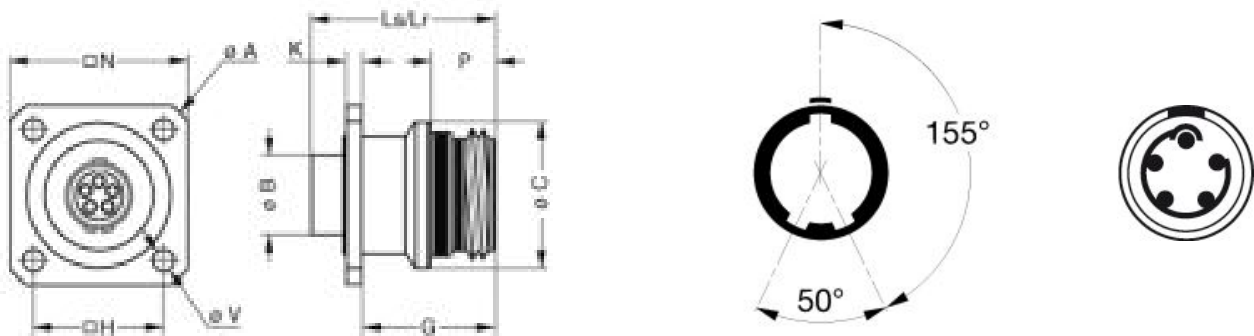
Contact Retention: 30 N  
 Contact Dia.: 0.9 mm (0.035in)  
 Bucket Dia.: 1.1 mm (0.043in)  
 Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
 Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
 R (max): 4.8 mOhm  
 Test voltage (kV rms) Contact-contact: 1.3  
 Test voltage (kV rms) Contact-shell: 1.3

## 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	G	H	K	Lr	Ls	N	P	V
mm.	23.8	5.95	14.2	12.8	12.9	1.5	18.1	18.1	18.4	5.3	3.3
in.	0,94	0,23	0,56	0,50	0,51	0,06	0,71	0,71	0,72	0,21	0,13

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# RECOMMENDED BY LEMO

## Tools

Crimp Tool: DPC.91.701.V

Crimp settings: AWG/Selector = 20-22-24/6-5-5

Positionner: DCE.91.090.5MVC

Extractor: DCF.93.090.4LT

Replacement contact: FGN.0M.560.ZZC

## Cables

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