

## 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	EGS.1M.307.XLC
Status	active
Alternative part	



*Image is for illustrative purpose only*

### Download

[Request a quote](#)

[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug with arctic grip and mold stop
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	∅ 4.85 - 9.7 mm
Variant	
Weight	7.58 g

### Performance

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

### Specifications

Contact Type: Crimp  
Max. Matings: 3000

*LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.*

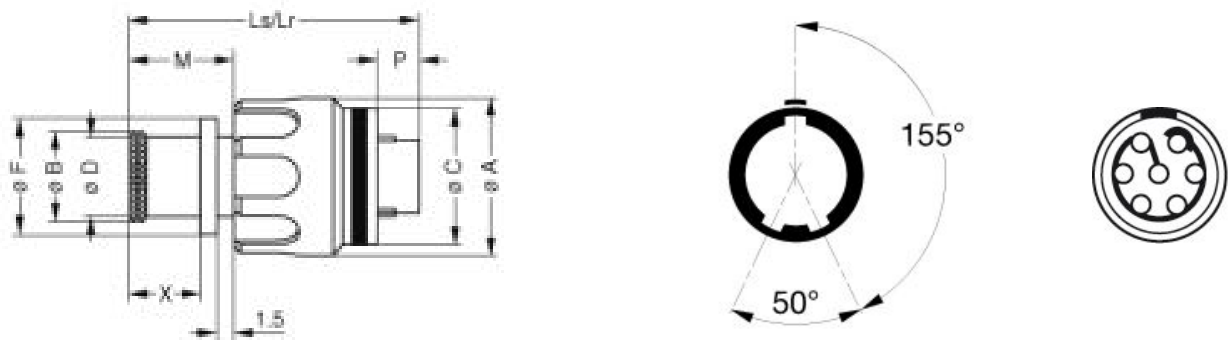
Contact Retention: 22 N  
Contact Dia.: 0.7 mm (0.028in)  
Bucket Dia.: 0.8 mm (0.031in)  
Min. Conductor: 0.14 mm<sup>2</sup> (AWG 26)  
Max. Conductor: 0.34 mm<sup>2</sup> (AWG 22)  
R (max): 6.1 mOhm  
Test voltage (kV rms) Contact-contact: 1.45  
Test voltage (kV rms) Contact-shell: 1.2

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	F	Lr	Ls	M	P	X
mm.	15.9	10.5	14.2	9.7	12.4	27.1	27.1	9.7	3.9	6.7
in.	0,63	0,41	0,56	0,38	0,49	1,07	1,07	0,38	0,15	0,26

LEMO products and services are provided “as is”. LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# 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

## Cables

*LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.*