

## SUMMARY

### # Wires

Low	7
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	4.85 - 9.70 mm
Matching parts	EGP.1M.307.XLM

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug with arctic grip
Keying	3 keys (beta=150, gamma=60, 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	

### Performance

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

### Specifications

Contact Type: Crimp
Max. Matings: 5000
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)

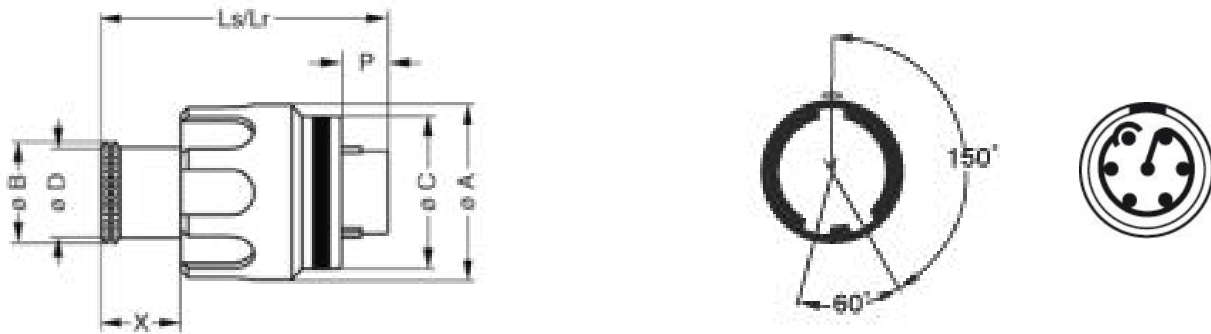
R (max): 6.1 mOhm  
 Test voltage (kV rms) Contact-contact: 1.45  
 Test voltage (kV rms) Contact-shell: 1.2

## 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







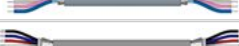
	A	B	C	D	Lr	Ls	P	X
mm.	15.9	10.5	14.2	9.7	24.1	24.1	3.9	6.7
in.	0,63	0,41	0,56	0,38	0,95	0,95	0,15	0,26

# RECOMMENDED BY LEMO

## Tools

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

## Cables

CMN.07.T22.055PGCE	PVC	GREY	
CMN.07.T22.055PGZE		Grey	
CMN.07.T22.055PNCE	PVC	Black	
CMN.07.T22.055PNZE			
070 140	PVC	Grey	
270 250	PVC	Grey	
717 920	PVC	Grey	
CTR.75.030.121875G	PVC	Grey	