

SUMMARY

Wires

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



Image is for illustrative purpose only

Download

[Request a quote](#)

[Catalog](#)

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

TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug with arctic grip and MIL spec backend
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	∅ 0 - 0 mm
Variant	

Performance

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

Specifications

Contact Type: Crimp
Max. Matings: 5000
Contact Retention: 30 N
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 1.1 mm (0.043in)

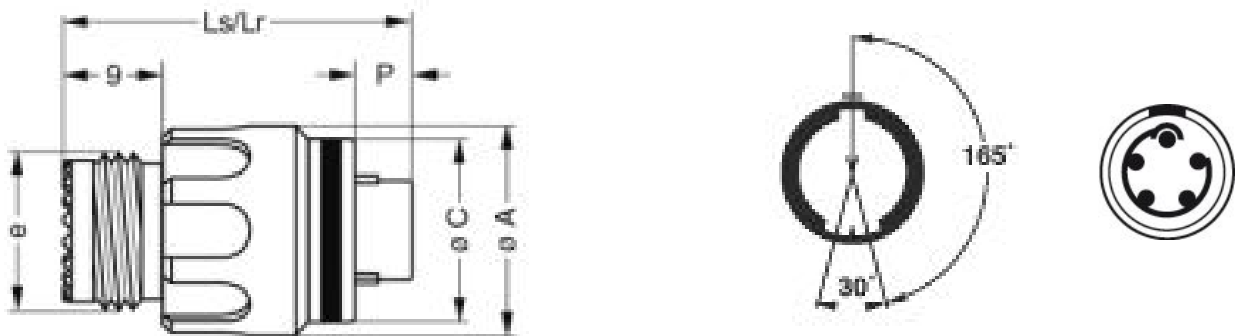
Min. Conductor: 0.25 mm² (AWG 24)
 Max. Conductor: 0.5 mm² (AWG 20)
 R (max): 4.8 mOhm
 Test voltage (kV rms) Contact-contact: 1.3
 Test voltage (kV rms) Contact-shell: 1.3

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	C	Lr	Ls	P	e
mm.	15.9	14.2	26.4	26.4	3.9	M12x1.0
in.	0,63	0,56	1,04	1,04	0,15	

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