

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

Series	1M
Termination type	Male crimp
IP rating	68
AWG wire size	0.00 - 0.00
Cable Ø	4.85 - 9.70 mm
Status	active
Matching parts	PEN.1M.304.XRMT2

Download

[Request a quote](#)

[Catalog](#)

TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug with arctic grip and mold stop
Keying	3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Housing Material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Weight	7.77 g

Performance

Configuration	1M.304_2 : 2 (0.7 mm) + 2 (1.3 mm) Low Voltage
Insulator	R: PEEK (mixed multipole)
Rated Current	

Specifications

Contact Type: Crimp

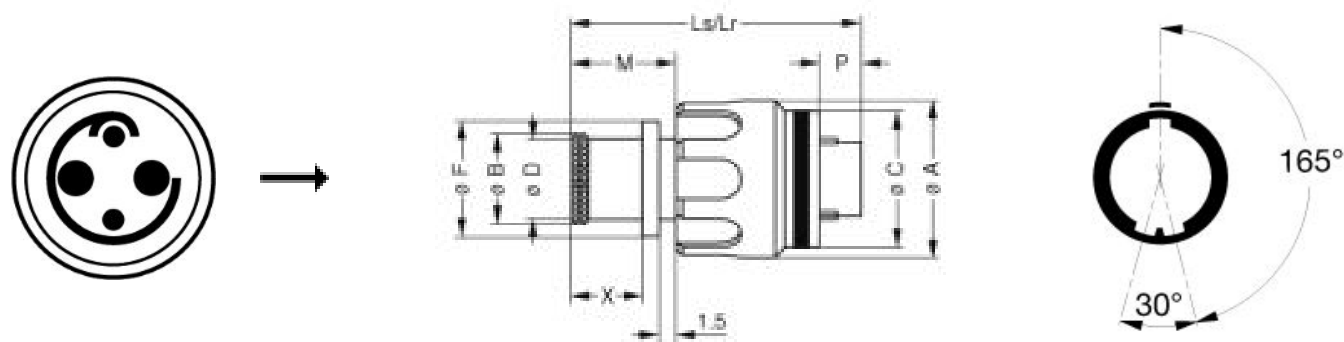
Others

Endurance (Shell): 3000 mating cycles
Temp (min / max): -20°C / +200°C
Humidity (max): 21 days at 95%
Gunfire vibration: 25 Hz - 2000 Hz, 3 axis (Apache helicopter)

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.

Vibration-Sine: 30 g, 3 axes, 12 hr [10 Hz - 2000 Hz]
Vibration-Random: 37.8 g rms - 3 axes, 4 hr amb [50 Hz - 2000 Hz]
Shock Resistance: 300 g [3 ms]
Lighting strike EIA 364-75: 10K amps - 6 times
Thermal shock: 5 cycles: -65°C to +150°C
EMI Shielding EIA 364-66A: >= 80 dB (1 GHz), >=70 dB (3 GHz), >= 58 dB (6 GHz), >= 40 dB (10 GHz)
Salt Spray Corrosion: max. 48 hr

DRAWINGS



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

RECOMMENDED BY LEMO

Tools

- Crimp settings: AWG/Selector = 22-24-26 16-18-20/6-5-5 8-7-7
- Positionner: [DCE.91.130.5MVC](#)
- Positionner 2: [DCE.91.070.5MVC](#)
- Extractor: [DCF.93.131.4LT](#)
- Extractor 2: [DCF.93.070.4LT](#)

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.

Replacement contact: FGN.0M.555.ZZC / FGN.0M.565.ZZC

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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

LEMO:

[FGN.1M.304.XRCT2](#)