

# FGT.1M.308.XLMTY

## **SUMMARY**

#### # Wires

Low voltage

8

and the	

Image is for illustrative purpose only

Series	1M
Termination type	Female crimp
IP rating	68 when mated
AWG wire size	26.00 - 22.00
Cable Ø	4.85 - 9.70 mm
Status	active
Matching parts	EGT.1M.308.XLC

Download Request a quote Catalog

# **TECHNICAL DETAILS**

#### **Mechanics**

Shell Style/Model	FG*: Straight plug with arctic grip and mold stop				
Keying	3 keys (beta=135, gamma=90, plug: female contacts, receptacle: male contacts)				
Housing Material	Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass				
Weight	8.00 g				
Performance					
Configuration	1M.308 : 8 Low Voltage				
Insulator	L: PEEK				
Rated Current	5.0 Amps				
Specifications					

Contact Type: Crimp 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: 1.3

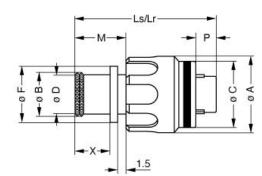
LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO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

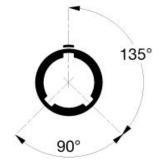
#### Others

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) 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

		А	В	С	D	F	Lr	Ls	Μ	Р	Х
n	nm.	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**

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.

#### 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

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.