

# EGN.2M.308.XLM

## **SUMMARY**

#### # Wires

Low voltage

8



Image is for illustrative purpose only

Series	2M
Termination type	Female crimp
IP rating	68
AWG wire size	24.00 - 20.00
Cable Ø	6.50 - 13.00 mm
Status	active
Matching parts	FMN.2M.308.XLC

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# **TECHNICAL DETAILS**

### **Mechanics**

Shell Style/Model	EG*: Fixed receptacle, nut fixing
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	7.41 g
Performance	
Configuration	2M.308 : 8 Low Voltage
Insulator	L: PEEK
Rated Current	10 Amps
Specifications	

Contact Type: Crimp Contact Retention: 30 N Contact Dia.: 0.9 mm (0.035in) Bucket Dia.: 1.1 mm (0.043in) Min. Conductor: 0.25 mm^2 (AWG 24) Max. Conductor: 0.5 mm^2 (AWG 20) R (max): 4.8 mOhm

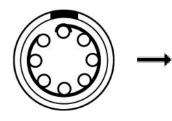
Test voltage (kV rms) Contact-contact: 1.95

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### Others

Endurance (Shell): 3000 mating cycles Temp (min / max):  $-20^{\circ}$ C /  $+200^{\circ}$ 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:  $-65^{\circ}$ C to  $+150^{\circ}$ 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





165°

#### Dimensions

	С	D	E	Ls	Ls	Р	S1	S2	е
mm.	17.2	6.8	4.5	18.3	18.3	5.3	12.5	17	M14x1.0
in.	0,68	0,27	0,18	0,72	0,72	0,21	0,49	0,67	

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### Tools

Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 20-22-24/6-5-5
Positionner:	DCE.91.090.3MVM
Extractor:	DCF.93.090.4LT
Replacement contact:	EGN.0M.660.ZZM

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