

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

Series 2M
Termination type Male crimp
IP rating 68
AWG wire size 20.00 - 16.00
Cable Ø 6.50 - 13.00 mm
Status active
Matching parts [EGN.2M.304.XLM](#)

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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 Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass
Weight 10.09 g

Performance

Configuration 2M.304 : 4 Low Voltage
Insulator L: PEEK
Rated Current 15.5 Amps

Specifications

Contact Type: Crimp
Contact Retention: 40 N
Contact Dia.: 1.3 mm (0.051in)
Bucket Dia.: 1.4 mm (0.055in)
Min. Conductor: 0.5 mm² (AWG 20)
Max. Conductor: 1 mm² (AWG 18)
R (max): 3.6 mOhm
Test voltage (kV rms) Contact-contact: 1.55

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Test voltage (kV rms) Contact-shell: 1.55

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]

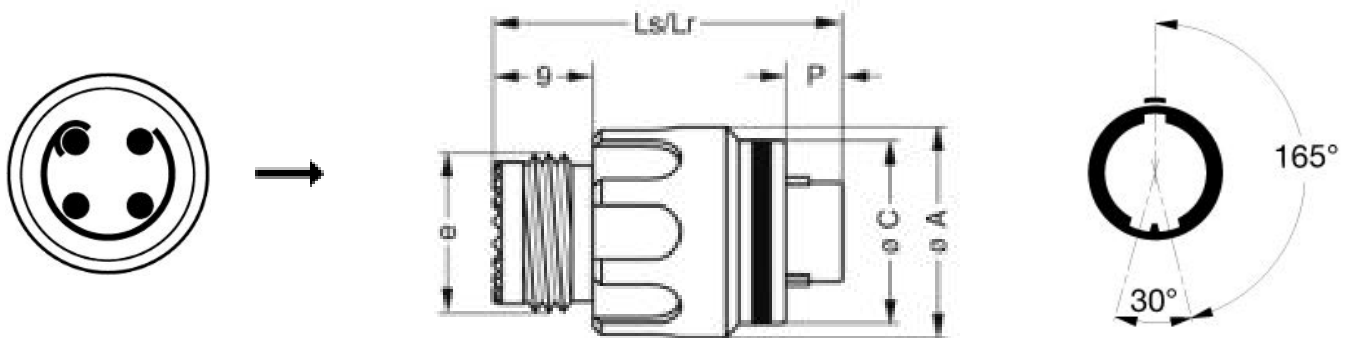
Lighting strike EIA 364-75: 10K amps - 6 times

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

	A	C	Lr	Ls	P	e
mm.	18.9	17.2	26.4	26.4	3.9	M15x1.0
in.	0,74	0,68	1,04	1,04	0,15	

RECOMMENDED BY LEMO

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Tools

Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 16-18-20/8-7-7
Positionner:	DCE.91.130.5MVC
Extractor:	DCF.93.131.4LT
Replacement contact:	FGN.0M.565.ZZC

Cables

240750	PVC	Grey	
417920	PVC	Grey	
CTR.75.030.121870G	PVC	Grey	

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