

SUMMARY

Wires

Low voltage 2



Image is for illustrative purpose only

Series 0M
Termination type Female crimp
IP rating 68 when mated
AWG wire size 24.00 - 20.00
Cable Ø 4.00 - 8.00 mm
Status active
Matching parts [FMN.0M.302.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 4.55 g

Performance

Configuration 0M.302 : 2 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 mm² (AWG 24)
Max. Conductor: 0.5 mm² (AWG 20)
R (max): 4.8 mOhm
Test voltage (kV rms) Contact-contact: 1.45

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Test voltage (kV rms) Contact-shell: 1

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]

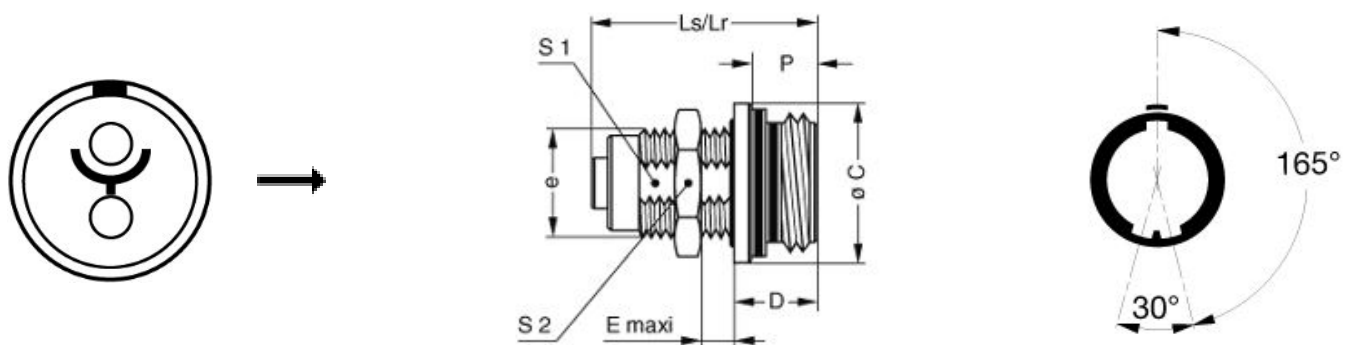
Lighting strike EIA 364-75: 10K amps - 6 times

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

	C	D	E	LS	LS	P	S1	S2	e
mm.	12.7	6.8	5	18.3	18.3	5.3	8.2	11	M9x0.6
in.	0,50	0,27	0,20	0,72	0,72	0,21	0,32	0,43	

RECOMMENDED BY LEMO

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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:	DCC.09.05B.LAG
Replacement contact:	EGN.0M.660.ZZM

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