

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

Series 0M
Termination type Female crimp
IP rating 50
AWG wire size 26.00 - 22.00
Cable Ø 4.00 - 8.00 mm
Status Active
Matching parts [FMP.0M.304.XLC](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model EC*: Fixed receptacle with two nuts
Keying 3 keys (beta=150, gamma=60, 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 7.20 g

Performance

Configuration 0M.304 : 4 Low Voltage
Insulator L: PEEK
Rated Current 7 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 mm² (AWG 26)
Max. Conductor: 0.34 mm² (AWG 22)
R (max): 6.1 mOhm
Test voltage (kV rms) Contact-contact: 1.35

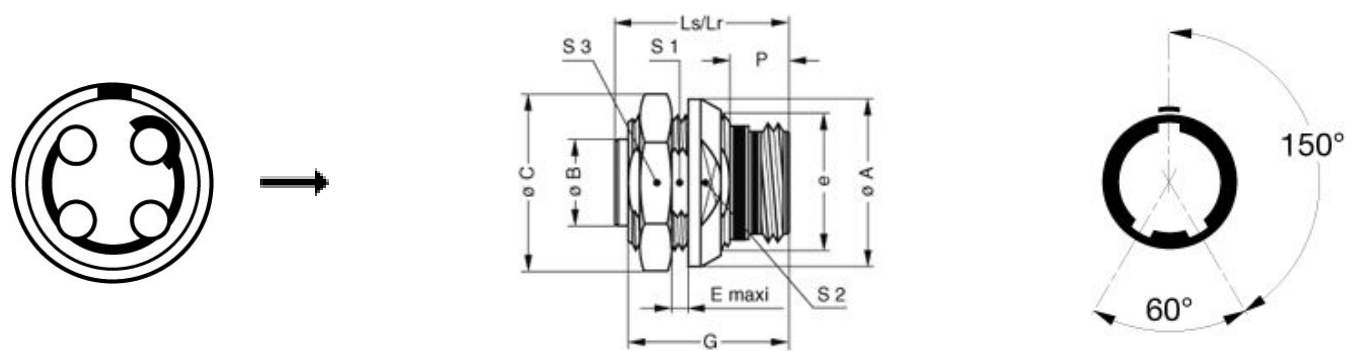
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Test voltage (kV rms) Contact-shell: 0.9

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	B	C	E	G	Lr	Ls	P	S1	S2	S3	e
mm.	17	4.72	18.2	5	16.8	18.3	18.3	5.3	11.5	14	16	M13x0.75
in.	0,67	0,19	0,72	0,20	0,66	0,72	0,72	0,21	0,45	0,55	0,63	

RECOMMENDED BY LEMO

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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
Spanner wrench:	Socket for torque wrench DCM.65.140.AZ

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