

SUMMARY

Wires

Low voltage 5



Image is for illustrative purpose only

Series	0M
Termination type	Female crimp
IP rating	68
AWG wire size	32.00 - 28.00
Cable Ø	4.00 - 8.00 mm
Status	active
Matching parts	FMN.0M.305.XLB

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PM*: Free receptacle with knurled grip
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	11.18 g

Performance

Configuration	0M.305 : 5 Low Voltage
Insulator	L: PEEK
Rated Current	6.5 Amps

Specifications

Contact Type: Crimp
Contact Retention: 22 N
Contact Dia.: 0.7 mm (0.028in)
Bucket Dia.: 0.45 mm (0.018in)
Min. Conductor: 0.035 mm² (AWG 32)
Max. Conductor: 0.09 mm² (AWG 28)
R (max): 6.1 mOhm
Test voltage (kV rms) Contact-contact: 1.25

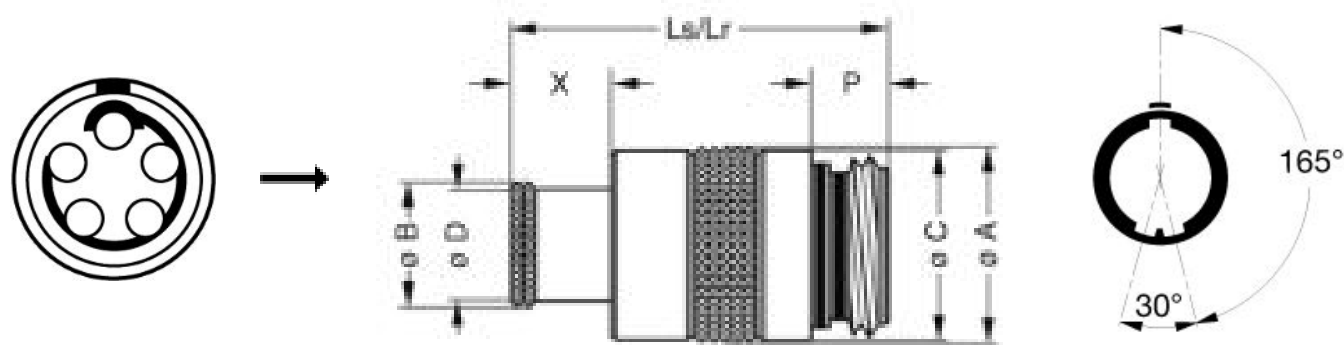
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Test voltage (kV rms) Contact-shell: 1

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

	A	B	C	D	Lr	Ls	P	X
mm.	13.1	8.8	12.7	8	25.6	25.6	5.3	6.7
in.	0,52	0,35	0,50	0,31	1,01	1,01	0,21	0,26

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Tools

Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 28-30-32/4-3-3
Positionner:	DCE.91.070.3MVM
Extractor:	DCF.93.070.4LT
Replacement contact:	EGN.0M.656.ZZM

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