

SUMMARY

Wires

Low	2
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0



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Series	1M
Termination type	Female crimp
IP rating	68
Cable Ø	4.85 - 9.70 mm
Status	active
Alternative part	
Matching parts	FMN.1M.302.XLCT

TECHNICAL DETAILS

Mechanics

Shell Style/Model	PM*: Free receptacle with knurled grip and mold stop
Keying	3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Housing Material	Environment friendly aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass
Variant	
Weight	8.18 g

Performance

Configuration	1M.302 : 2 Low Voltage
Insulator	L: PEEK
Rated Current	19.0 Amps

Specifications

Contact Type: Crimp
Max. Matings: 3000
Contact Retention: 40 N

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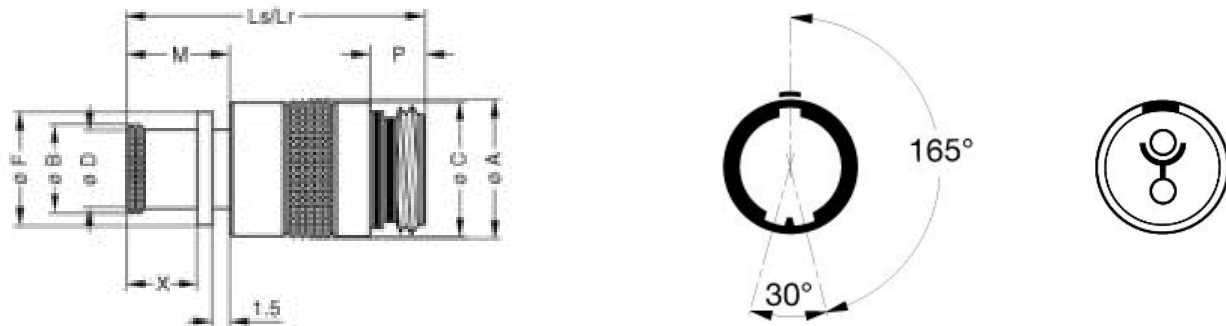
Contact Dia.: 1.3 mm (0.051in)
 Bucket Dia.: 1.4 mm (0.055in)
 Min. Conductor: 0.5 mm² (AWG 20)
 Max. Conductor: 1 mm² (AWG 18)
 R (max): 3.6 mOhm

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
 IP Rating: 68

DRAWINGS

Draws



Dimensions

	A	B	C	D	F	Lr	Ls	M	P	X
mm.	14.6	10.5	14.2	9.7	12.4	28.6	28.6	9.7	5.3	6.7
in.	0,57	0,41	0,56	0,38	0,49	1,13	1,13	0,38	0,21	0,26

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RECOMMENDED BY LEMO

Tools

Crimp Tool: DPC.91.701.V









Crimp settings: AWG/Selector = 16-18-20/8-7-7

Positionner: DCE.91.130.5MVM

Extractor: DCF.93.131.4LT

Replacement contact: EGN.0M.665.ZZM

Cables

CMN.02.T18.064UNCU			
002 200	PVC	Black	
120 184	PVC	Black	
120 500	PVC	Grey	
120 501	PVC	Grey	
120 751	PVC	Grey	
220 151	PVC	Grey	
220 750	PVC	Grey	
320 150	PVC	Grey	

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