

## SUMMARY

### # Wires

Low	2
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0
Series	0M
Termination type	Female crimp
IP rating	68
Cable Ø	0.00 - 0.00 mm
Status	active
Alternative part	
Matching parts	<u>FMN.0M.302.XLC</u>



*Image is for illustrative purpose only*

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	PH*: Free receptacle with arctic grip
Keying	3 keys (beta=165, gamma=30, plug: male contacts, receptacle: female contacts)
Housing Material	Aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass
Variant	
Weight	7.62 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)

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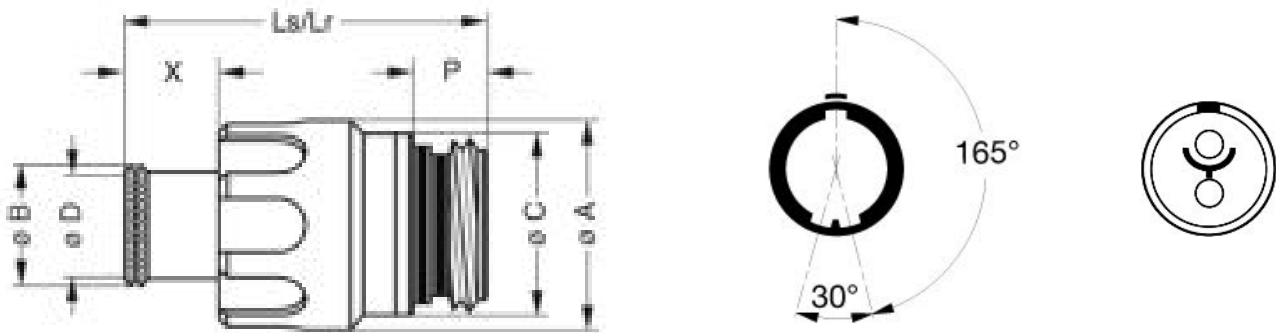
Min. Conductor: 0.25 mm<sup>2</sup> (AWG 24)  
Max. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
R (max): 4.8 mOhm  
Test voltage (kV rms) Contact-contact: 1.45  
Test voltage (kV rms) Contact-shell: 1

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  
IP Rating: 68

DRAWINGS

Draws



Dimensions

	A	B	C	D	Lr	Ls	P	X
mm.	14.4	8.8	12.7	8	25.6	25.6	5.3	6.7
in.	0,57	0,35	0,50	0,31	1,01	1,01	0,21	0,26

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# RECOMMENDED BY LEMO

## Tools

Crimp Tool: DPC.91.701.V

Crimp settings: AWG/Selector = 20-22-24/6-5-5

Positionner: DCE.91.090.3MVM

Extractor: DCF.93.090.4LT

Replacement contact: EGN.0M.660.ZZM

## Cables

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