

## SUMMARY

### # Wires

Low	12
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0



*Image is for illustrative purpose only*

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Series	2M
Termination type	Male print PCB
IP rating	68
Cable Ø	0.00 - 0.00 mm
Status	active
Alternative part	
Matching parts	<a href="#">FMS.2M.312.XLM</a>

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	HE*: Fixed receptacle, nut fixing for printed circuit, watertight
Keying	3 keys (beta=155, gamma=50, plug: female contacts, receptacle: male contacts)
Housing Material	Aluminium (nickel plated, anthracite color) shell and nut, other pieces bronze/brass
Variant	P : Watertight
Weight	8.74 g

### Performance

Configuration	2M.312 : 12 Low Voltage
Insulator	L: PEEK
Rated Current	7 Amps

### Specifications

Contact Type:	Print (straight)
Contact Dia.:	0.7 mm (0.028in)
R (max):	6.1 mOhm
Test voltage (kV rms) Contact-contact:	1.65

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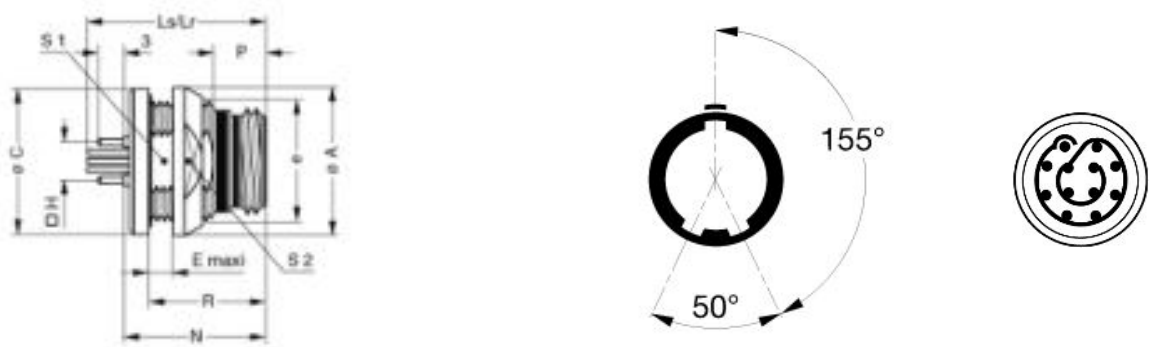
Test voltage (kV rms) Contact-shell: 1.15

Others

- Endurance (Shell): 3000 mating cycles
- Temp (min / max): -20°C / +80°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	C	E	H	Lr	Ls	N	P	R	S1	S2	e
mm.	21	20.8	5	8.89	21	20.8	16.8	5.3	13.8	15.5	18	M17x1.00
in.	0.83	0.82	0.20	0.35	0.83	0.82	0.66	0.21	0.54	0.61	0.71	

RECOMMENDED BY LEMO

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## Tools

Spanner wrench: DCM.65.000.4PA

## Cables

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