

## SUMMARY

### # Wires

Low voltage	48
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Image is for illustrative purpose only

Series	4M
Termination type	Female print PCB
IP rating	68
AWG wire size	30.00 - 22.00
Cable Ø	0.00 - 0.00 mm
Status	active
Matching parts	<a href="#">FMW.4M.348.XLC</a>

### Download

- [Request a quote](#)
- [PCB Eagle Pattern](#)
- [PCB Altium Pattern](#)
- [PCB KiCad Pattern](#)
- [Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	HE*: Fixed receptacle, nut fixing for printed circuit, watertight
Keying	5 keys (alpha=95, beta=115, gamma=35, delta=25, 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
Variant	P : Watertight
Weight	21.12 g

### Performance

Configuration	4M.348 : 48 Low Voltage
Insulator	L: PEEK
Rated Current	3 Amps

### Specifications

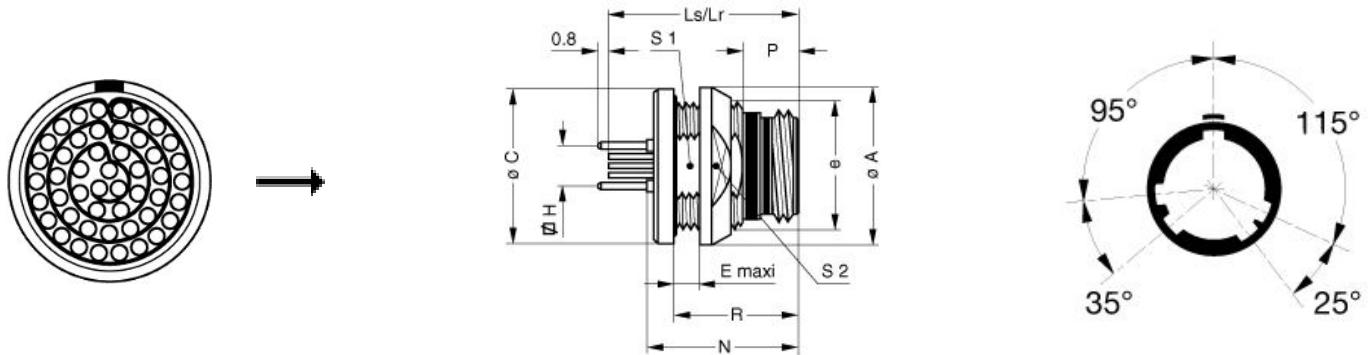
Contact Type:	Print (straight)
Contact Dia.:	0.7 mm (0.028in)
R (max):	6.1 mOhm
Test voltage (kV rms)	Contact-contact: 1.10
Test voltage (kV rms)	Contact-shell: 1.35

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## 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]  
Lightning 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	C	E	H	Lr	Ls	N	P	R	S1	S2	e
mm.	29	27.8	4	13.97	24.6	24.6	19.9	7.9	16.9	22.5	25	M24x1.00
in.	1,14	1,09	0,16	0,55	0,97	0,97	0,78	0,31	0,67	0,89	0,98	

## RECOMMENDED BY LEMO

### Tools

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Spanner wrench:

[DCM.65.040.8PA](#)

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