

## SUMMARY

### # Wires

Low voltage 30



*Image is for illustrative purpose only*

Series 3M  
Termination type Female print PCB  
IP rating 68 mated (mating interface)  
AWG wire size 30.00 - 22.00  
Cable Ø 0.00 - 0.00 mm  
Status active  
Matching parts [FMN.3M.330.XLC](#)

### Download

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[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 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  
Variant P : Watertight unmated (connector to device)  
Weight 11.45 g

### Performance

Configuration 3M.330 : 30 Low Voltage  
Insulator L: PEEK  
Rated Current 3.5 Amps

### Specifications

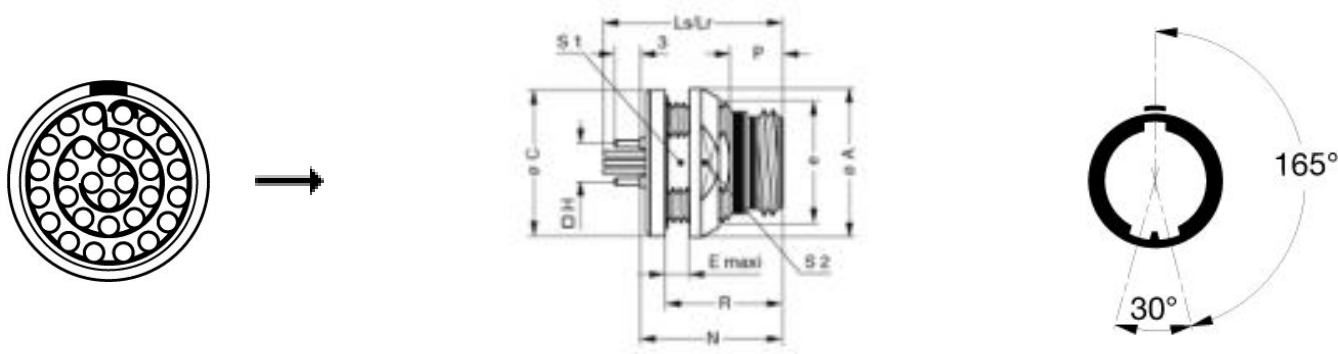
Contact Type: Print (straight)  
Contact Dia.: 0.7 mm (0.028in)  
R (max): 6.1 mOhm  
Test voltage (kV rms) Contact-contact: 1.10  
Test voltage (kV rms) Contact-shell: 1.00

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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]
- Lighting strike EIA 364-75: 10K amps - 6 times
- 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.	23	22.8	5	10.16	21	20.8	16.8	5.3	13.8	17.5	20	M19x1.00
in.	0,91	0,90	0,20	0,40	0,83	0,82	0,66	0,21	0,54	0,69	0,79	

RECOMMENDED BY LEMO

Tools

Spanner wrench: [Socket for torque wrench DCM.65.200.AZ](#)

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