

## 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 [FGN.3M.330.CLC](#)

### 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 Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces  
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]

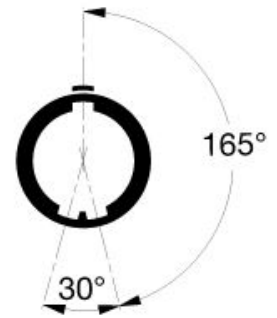
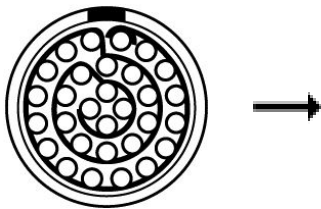
Lighting strike EIA 364-75: 10K amps - 6 times

EMI Shielding EIA 364-66A:  $\geq 80$  dB (1 GHz),  $\geq 70$  dB (3 GHz),  $\geq 58$  dB (6 GHz),  $\geq 40$  dB (10 GHz)

Salt Spray Corrosion: >1000 hr

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## DRAWINGS



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## RECOMMENDED BY LEMO

### Tools

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

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