

**S-CAN 3D Ltd.**

Unit 10b,  
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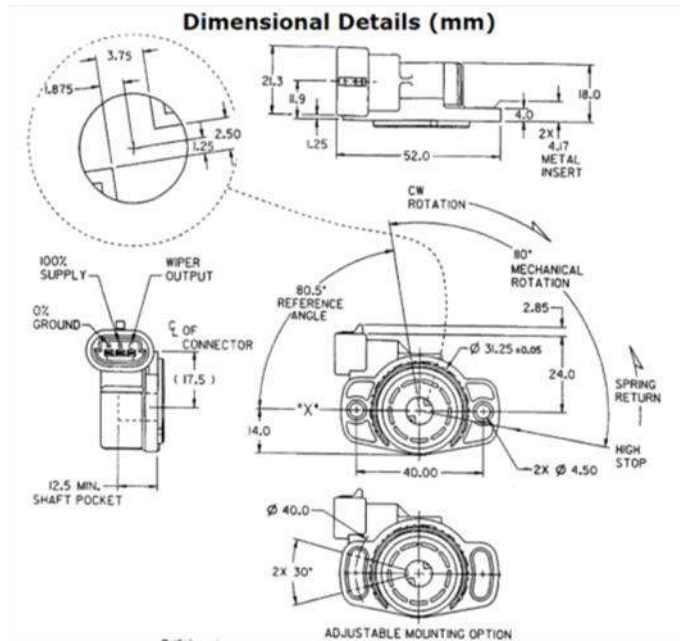
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## Magneti Marelli Type (PF1C/PF2C) Throttle position sensor

Sealed, Spring Return Rotor  
Clockwise or CounterClockwise Rotation Available  
Tin Plated Terminals

Pin information  
A – Ground  
B – 5v Supply  
C – Signal



### Ordering information

101-130-00013 - Output D-Shaft drive orientation is 'Anti-Clockwise' when viewed from the mounting face of the sensor.  
101-130-00014 - Output D-Shaft drive orientation is 'Clockwise' when viewed from the mounting face of the sensor.

### ELECTRICAL/MECHANICAL

Total Resistance: 1.2 K $\Omega$   $\pm$ 30%  
Linearity:  $\pm$ 3.0% (absolute)  
Rotation Max: 110 Mechanical  
107 Typ. Electrical  
Hysteresis:  $\leq$ 1.0% Applied Voltage  
Electrical Limit: 16 VDC Maximum  
Typ. Voltage: 5-10VDC  
Max Power Rating: 0.08 Watts  
Torque – Start of rotation:  $>$ 0.020Nm  
End of rotation:  $<$ 0.120Nm  
Stop Strength: 0.6Nm

### DURABILITY/ENVIRONMENTAL

Mechanical Cycling: 1 x 10<sup>6</sup> Full Strokes  
0.5 x 10<sup>6</sup> Half Strokes  
4 x 10<sup>6</sup> Dither Strokes  
Standard Vibration: 24 hrs; 3 Planes;  
33 – 600Hz; 3 – 25g  
Thermal Shock: 100 Cycles, -40 to 140  
Temp Range (Operating & Storage) -30 to 125 C  
Salt Spray: 250hrs  
Humidity: 96hrs, 93% RH at 40 C  
Resistant to gasoline, engine oil, brake fluid & antifreeze

The above specification has been met on existing production tooled units. However, it does not constitute a warranty that the product will meet the above specifications in your application.

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