

CMCP423VTA Series Compact Vibration Switch



Features:

- Low Cost, Compact Vibration Switch
- 4-20mA and Relay Output
- Vibration Velocity RMS
- 1.0 or 2.0 Ranges (25.4 or 50.8mm/sec)
- 10 to 1kHz Frequency Response
- Adjustable Alarm Level (0-100% Full Scale)
- Adjustable Time Delay (0-60 Seconds)
- Locking Adjustments
- 4 Pin Eurofast Connector
- IP67 Rated

Typical Applications:

Building Services, Pulp and Paper, Mining, Metals, Utilities, Automotive, Water, Pharmaceutical

Technical Performance

Velocity Ranges -01 Model: 0-1.0 In/Sec RMS (0-25.4mm/Sec.)
-02 Model: 0-2.0 In/Sec RMS (0-50.8mm/Sec.)
Frequency Response: 10 Hz to 1 kHz \pm 5% - ISO 10816
Isolation: Base Isolated
Transverse Sensitivity: Less than 5%

Electrical

Output Current: 4-20mA DC Proportional to Range in RMS Velocity
Supply Voltage: 15 to 32 VDC
Switching Output: Normally Energized 24VDC Output (Opens on Alarm)
Output Impedance: Loop Resistance 600 Ohms Max @ 24VDC
Sensor OK Indication: Green LED
Alarm Indication: Yellow LED
Current Consumption: 50mA

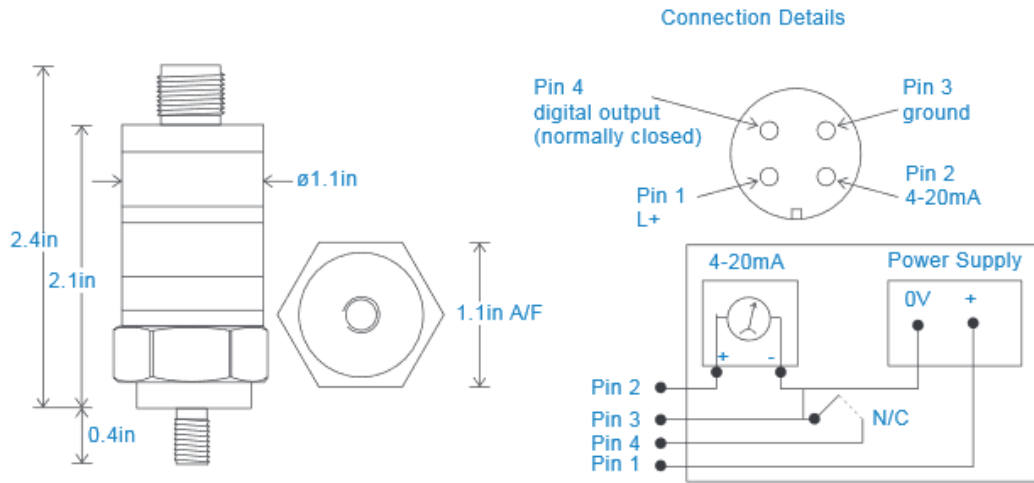
Environmental

Operating Temperature Range: -25 to 80° C (-13 to 176° F)
Sealing: IP67
Maximum Shock: 100 g
EMC: EN61326-1:2013
Reverse Polarity: Protected
MTBF: 510 Years

Mechanical

Case Material: Stainless Steel 316L / Plastic
Mounting Torque: 11.1 Ft-lbs
Weight: 4.1 Oz (116g)
Mounting: M8x1.25 and Optional 1/4"-28 UNF Thread Adapter
Mating Connector: 4 Pin Eurostyle

Dimensions and Connection Details:



Sensor Ordering Information:

CMCP423VTA	-XX	Description
	-01	1.00 In/Sec Full Scale (25.4mm/Sec)
	-02	2.00 In/Sec Full Scale (50.8mm/Sec)

Cable Ordering Information:

CMCP604M	-XX	-XXX	Description
	-01		Straight M12 4 Pin Shielded Cable, TPE Jacket, -50 to +80 Deg. C Range
	-02		Side Exit M12 4 Pin Shielded Cable, TPE Jacket, -50 to +80 Deg. C Range
		-16	16' Cable
		-32	32' Cable
		-64	64' Cable
		-XXX	Specify Cable Length

