



## 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 ± 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

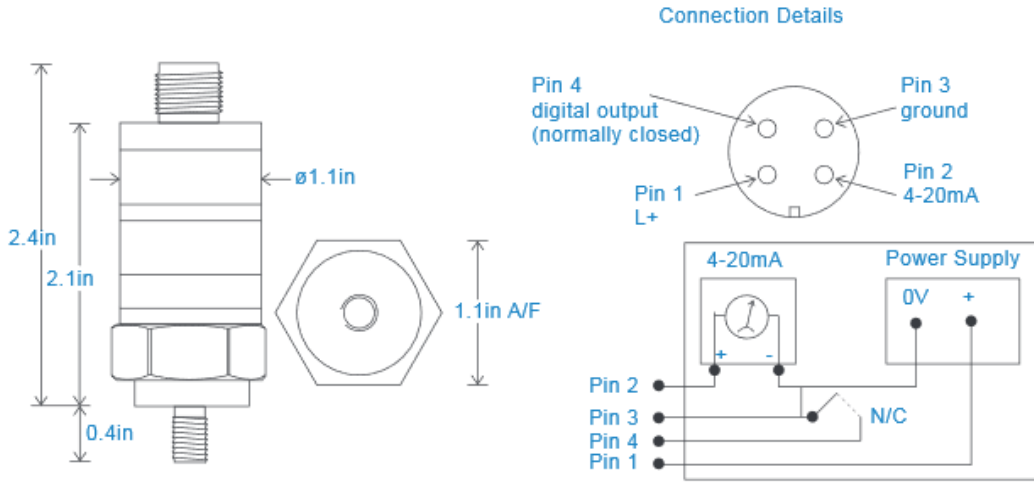
Mounting Torque:                  11.1 Ft-lbs

Weight:                                4.1 Oz (116g)

Mounting:                            M8x1.25 and Optional ¼"-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

