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