

# HS-429 Vibration Trip

## 4-20mA velocity and switch output via M12 Connector

### Key Features

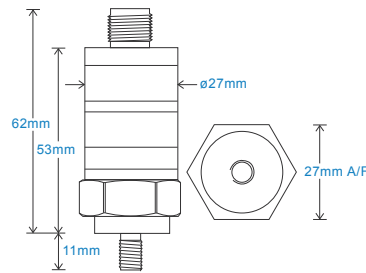
- Compact vibration switch
- Retransmit 4-20mA signal
- False trigger delay
- Overload protected

### Industries

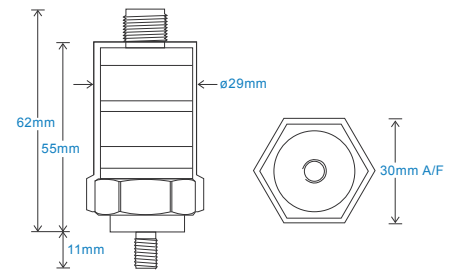
Building services, Pulp and Paper, Mining, Metals, Utilities, Automotive, Water, Pharmaceutical



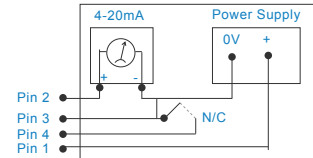
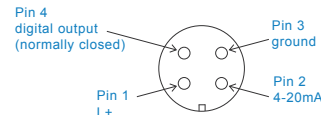
Product dimensions



Dimensions with included protective cover



Connection details



### Technical Performance

|                     |  |
|---------------------|--|
| Velocity Ranges     | see: 'How To Order' table $\pm 10\%$<br>Nominal 80Hz at 22°C |
| Frequency Response  | 10Hz (600cpm) to 1kHz (60kcpm)                               |
| False Trigger Delay | Adjustable up to 60 seconds                                  |
| Trip Setting        | Fully adjustable   |

### Mechanical

|                           |   |
|---------------------------|---|
| Case Material             | Stainless Steel 316L/Plastic                  |
| Mounting Torque           | 15Nm  |
| Weight                    | 116gms (nominal)                              |
| Screened Cable Assembly   | HS-AC010 - straight<br>HS-AC011 - right angle |
| Mounting Threads          | M8 x 1.25mm male                              |
| Protective Plastic Casing | PP Polypropylene (transparent)                |

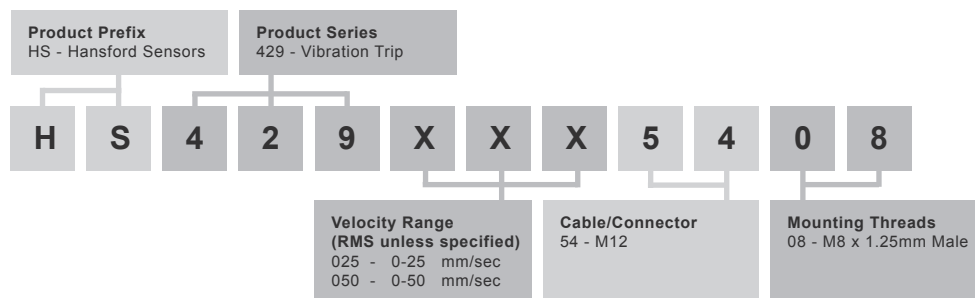
### Electrical

|                     |  |
|---------------------|--|
| Current Output      | 4-20mA DC proportional to Velocity Range |
| Supply Voltage      | 18-32 Volts DC                           |
| Switching Output    | NC, PNP up to 500mA                      |
| Display OK LED      | Green                                    |
| Trip LED            | Yellow                                   |
| Current Consumption | 18-30volts DC at 50mA                    |

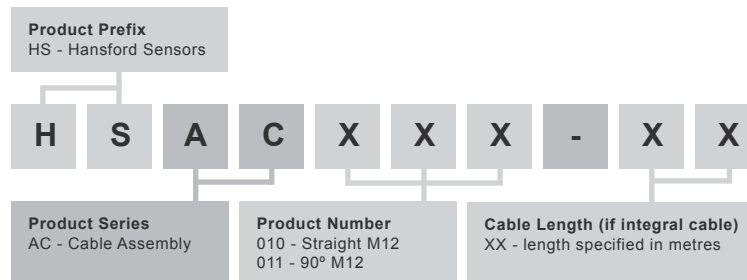
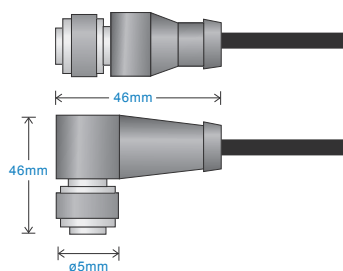
### Environmental

|                             |                |
|-----------------------------|----------------|
| Operating Temperature Range | -25 to 80°C    |
| Sealing                     | IP67           |
| Maximum Shock               | 100g           |
| EMC                         | EN61326-1:2013 |
| Reverse Polarity            | Protected      |
| MTBF                        | 510 years      |

### How To Order



### Screened Cable Assembly Details



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We reserve the right to alter the specification of this product without prior notice  
TS434.4

