

Mechanical vibration switch

Switch 5550

Switch (epoxy coating) 5550G



Product description

The models 5550 and 5550G Mechanical Switch provide basic, economical vibration protection through a simple and highly reliable spring-mass mechanism. The presence of sufficient vibration along the switch's sensitive axis triggers a change in state. This enables automatic machine shutdown or alarming.

To restart the switch, it must be reset locally by means of a reset button (5550 only) or by applying an electrical voltage (standard for 5550G, opt. for 5550). A built-in switch-on delay suppresses tripping during start-up.

Applications

- Cooling tower fans
- Fan blowers
- Pumps
- Gearboxes

Advantages

- Robust, cost-effective monitoring
- Type 5550G especially for use in hazardous areas (gas applications)

Features

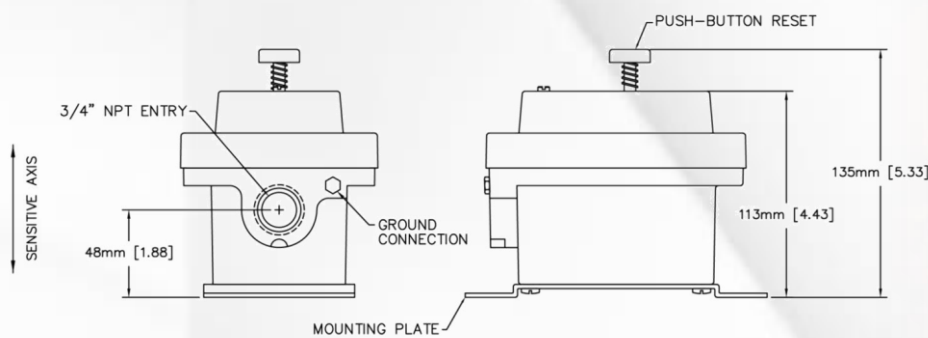
- Robust, reliable and cost effective
- Ideal for machines / motors and drives with low to medium speed (<3600rpm)
- Machine shutdown or alarm in case of strong vibrations (limit exceeded)
- Manual or electrical reset
- Power-on delay
- Silver or gold plated relay contacts
- Weatherproof housing
- Various cable bushings and fastenings
- Various EX approvals
- (Ex db IIC T6 Gb with model 5555G)
- SIL approval



Technical data

Characteristic	Technical values
Vibration transducer	mechanical, with return spring
Frequency range	0 ... 60 Hz (0 ... 3600rpm)
Setting range / setting accuracy	0 ... 16g pk / ca. 1g
Relay contacts	silver-plated, gold-plated (corrosive environment), SPDT, DPDT
Housing material	Cast aluminum (5550) / with epoxy coating (5550G)
Operating temperature range	-53°C ... +70°C (with electric reset: -40°C ... +70°C)
Cable entry	3/4" NPT / M20 x 1,5
Protection class	NEMA 4X IP66 (5550) / NEMA 4X IP66 (5550G)
Reset (electr.)	115VAC, 230VAC, 24VDC, 115VDC
Switch-on delay	Thermistor, approx. 30s
Weight	ca. 1.8kg (5550)

Drawings



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