

Vibrating Fork Level Switch for Solids Detection

This level switch is designed for point level detection of solids using a vibrating fork. When the tines are immersed in the material, the vibration is dampened, triggering a switch.



Overview

Vibrating Fork Level Switch

This vibrating fork level switch provides reliable point-level detection for solids such as powders, granules, and flakes in tanks, silos, and hoppers. Utilizing a robust vibrating fork principle, the device features self-cleaning capabilities and minimal maintenance requirements. With a compact, industrial-grade design, it offers flexible installation options and high operational reliability.

Electrical Specifications

Relay Output Rating

- AC220V / 5A
- DC28V / 10A

Power Supply	DC24V, AC220V
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Power Consumption	1.5 W
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Operating Conditions

Working Temperature

-40 °C

Min Temperature

150 °C

Max Temperature

Max Process Pressure	2 MPa
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Minimum Material Density	0.6 g/cm ³
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Features & Performance

Protection Rating

IP65 • Ex d a CT4

Output Delay Settings	0.3s, 1s, 3s, 10s, 30s
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Mechanical Details

Process Connection	1" NPT thread (standard), BSPT and Flange optional
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Electrical Interface	G1/2" female
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