Vibrating Fork Liquid Level Switch

This vibrating fork level switch is designed for point level detection in liquids and solids. The switch's vibrating fork oscillates at its natural frequency, triggering a switch output when immersed in the material.

Product Overview

Vibrating Fork Level Switch

The Vibrating Fork Level Switch utilizes a piezoelectric crystal to oscillate a fork at its natural frequency, providing highly reliable point level detection for powders, solids, and liquids. This maintenance-free design is unaffected by material density, moisture content, or dielectric constant, making it superior to traditional capacitance or paddle switches. With no moving parts and factory-set or user-adjustable fail-safe modes, it offers consistent performance in diverse environments including high-temperature and high-pressure process conditions.

Key Performance Metrics

Operational Performance

2 MPa	150 °C	0.6 g/cm³
Max Process Pressure	Max Process Temp	Min Material Density

Technical Specifications

Power Requirements

- DC24V
- AC220V
- Power consumption: 1.5W

Output Configuration

- Relay output (AC220V/5A, DC28V/10A)
- Adjustable delay: 0.3s, 1s, 3s, 10s, 30s
- User-selectable High/Low fail-safe modes

Environment and Safety

Ratings & Certs	IP65, Ex d II CT4
Environmental Temperature Range	-20 to 70°C