

VEGASWING 61

Vibrating Level Switch



OVERVIEW

The VEGASWING 61 is used as a universal vibrating level switch for all liquids. Independent of the mounting position, it detects reliably with millimetre accuracy the limit level. The instrument can be used as empty or full detector, as approved overfill protection, dry run protection or pump protection in vessels and pipelines.

The VEGASWING 61 offers maximum reliability and safety in a wide application range.

FEATURES

- Minimum time and cost expenditure due to simple setup without medium
- Precise and reliable function due to product independent switching point
- Low maintenance costs

VEGASWING 61 SPECIFICATIONS

Technical Data

Process Pressure	-1 to +64 bar / -100 to +6400 kPa (-14.5 to +928 psig) The function of the instrument is ensured up to an operating pressure of 100 bar/10000 kPa (1450 psig) at a maximum process temperature of +50 °C (+122 °F) (only with threaded versions).
Process Temperature	-50 to +250 °C (-58 to +482 °F)
Viscosity - dynamic	0.1 to 10000 mPa s
Density	0.7 to 2.5 g/cm ³ (0.025 to 0.09 lbs/in ³) 0.5 to 2.5 g/cm ³ (0.018 to 0.09 lbs/in ³) by switching over
Ambient Temperature	40 to +70 °C (-40 to +158 °F)
Hysteresis	approx. 2 mm (0.08 in) with vertical installation
Process Fitting	Threads from G $\frac{3}{4}$, $\frac{3}{4}$ NPT, flanges from DN 25, 1", hygienic fittings

Electrical

Operating Voltage	20 to 253 V AC, 50/60 Hz; 20 to 72 V DC
Power Consumption	1 to 8 VA (AC), approximately 1.5 W (DC)
Switching Voltage	max. 253 V AC/DC
Switching Current	max. 3 A AC (cos phi > 0,9), 1 A DC
Breaking Capacity	min. 50 mW, max. 750 VA AC, 40 W DC (with U < 40 V DC)

Materials

Wetted Parts	Stainless Steel 316L
Display	LCD in dot matrix
Process Seal	Klingsil C-4400
Housing	Plastic, Stainless Steel, Aluminum
Protection Ratings	Up to IP67

Approvals

SIL Qualification	Optionally up to SIL 2
Ship Approval	GL, LRS, ABS
Hazardous	ATEX, FM, CSA, IEC