ONLINE DATA SHEET
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Level sensors
Vibrating level switch, LBV330

LBV330-XXANDRAMX2000

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Vibrating level switch, LBV330

Model Name > LBV330-XXANDRAMX2000
Part No. > 6038238

Product may differ from illustration

At a glance

- Rugged device design with tube extension up to 6 m
- Several housing materials and electrical outputs available
- Immune to deposit formation
- Commissioning without filling
- Process temperature up to 250 °C
- Very high repeatability
- ATEX versions (1D/2D/1G/2G) available
- Short versions (LBV310) and rope-extended devices (LBV330) available

Your benefits

- Easy installation and commissioning, no calibration necessary
- Easy operation and integration, saves time
- Maintenance-free sensor, reduces downtime
- Testing in place possible - no mounting required, which reduces installation time
- Flexible and robust system for a multitude of applications
- Solutions for vertically mounted sensors in difficult installation conditions

Features

Medium:	Bulk solids
Measurement:	Switch
Probe length:	2,000 mm
Process pressure:	-1 bar ... 25 bar
Process temperature:	-50 °C ... 150 °C
ATEX certification:	-
Particle size:	< 10 mm
Fill material density:	0.008 g/cm^3

Performance

Accuracy:	± 10 mm
Repeatability:	± 5 mm
Response time:	500 ms

Mechanical data

Housing material:	Aluminum
Process connection:	1 1/2" NPT PN 25/316L
Sensor material:	Stainless steel 1.4404

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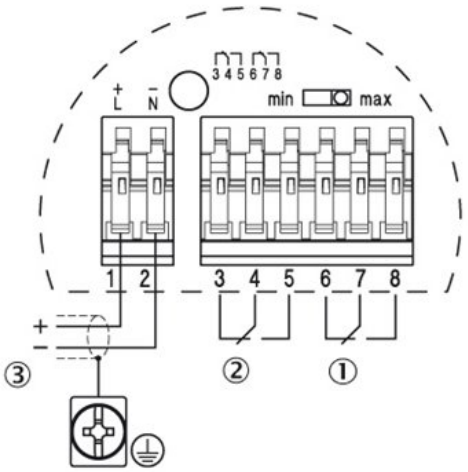
Electrical data

Enclosure rating:	IP 66
Power consumption:	5 mA ... 30 mA
VDE protection class 1:	✓
Initialization time:	2 s
Output type:	Double relay (DPDT): 20 V DC ... 72 V DC/20 ... 253 V AC
Hysteresis:	10 mm
Output current:	> 10 UA, 3A AC, 1A DC
Capacitive load:	750 VA 54 W
Inductive load:	750 VA 54 W
Connection type:	M20x1,5

Ambient data

Ambient operating temperature:	-40 °C ... 80 °C
Ambient storage temperature:	-40 °C ... 80 °C

Double relay connection diagram



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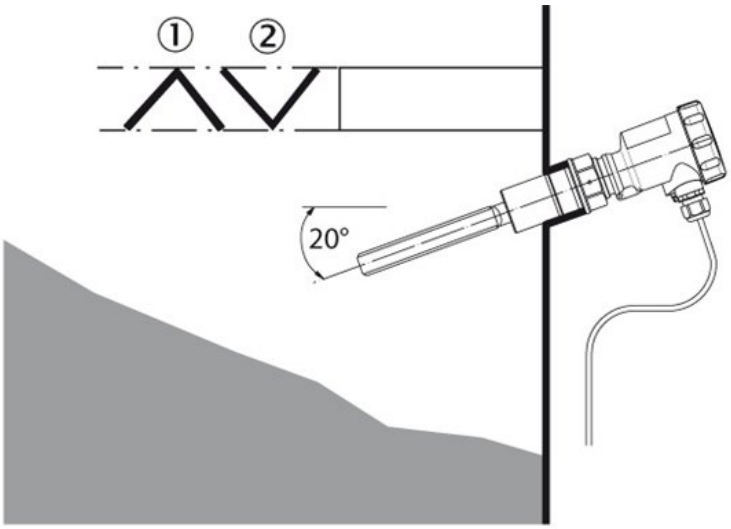
Flow orientation of the tuning fork

|1| Marking with screwed version
|2| Direction of flow

Horizontal mounting



|1| Protective sheet
|2| Concave protective sheet for abrasive solids

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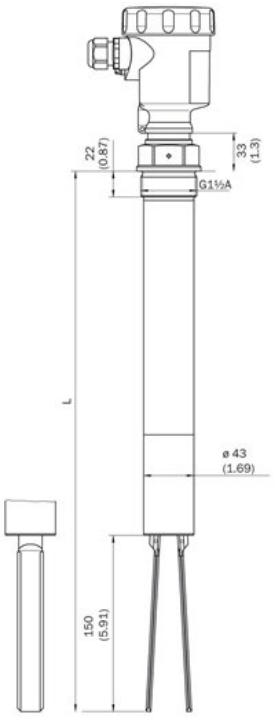
Dimensional drawing



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