



Level sensors
Vibrating level switch, LBV310

LBV310-XXAGDCKMX



Model Name > [LBV310-XXAGDCKMX](#)
Part No. > [6038006](#)



Product might differ from illustration

At a glance

- Rugged device design
- 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
- Tube extensions (LBV330) and rope extensions (LBV320) available for vertical mounting up to 80 m distance

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 tough system for a multitude of applications



Features

| | |
|------------------------|-------------------------|
| Medium: | Bulk solids |
| Measurement: | Switch |
| Probe length: | 220 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: | Plastic |
| Process connection: | G 1½ A PN 25/316L |
| Sensor material: | Stainless steel 1.4404 |

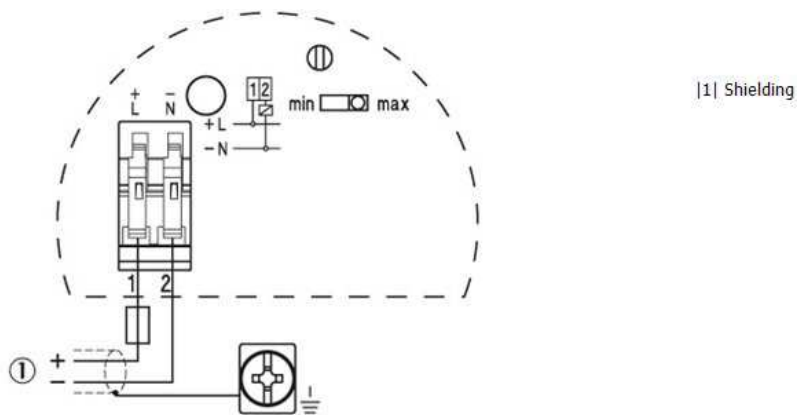
Electrical data

| | |
|-------------------------|--|
| Enclosure rating: | IP 66 |
| Power consumption: | < 4.2 mA |
| VDE protection class 1: | ✓ |
| Initialization time: | 3 s |
| Output type: | Contactless electronic switch: 20 V AC/DC ... 253 V DC |
| Hysteresis: | 10 mm |
| Output current: | < 400 mA |
| Capacitive load: | 100 nF |
| Inductive load: | 1 H |
| Electrical connection: | M20x1,5 |

Ambient data

| | |
|--------------------------------|------------------|
| Ambient temperature operation: | -40 °C ... 80 °C |
| Ambient storage temperature: | -40 °C ... 80 °C |

Contactless electronic switch connection diagram

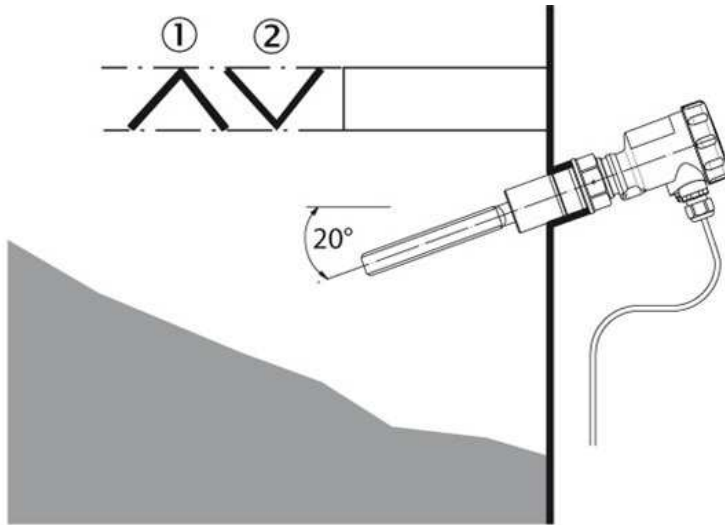


Flow orientation of the tuning fork



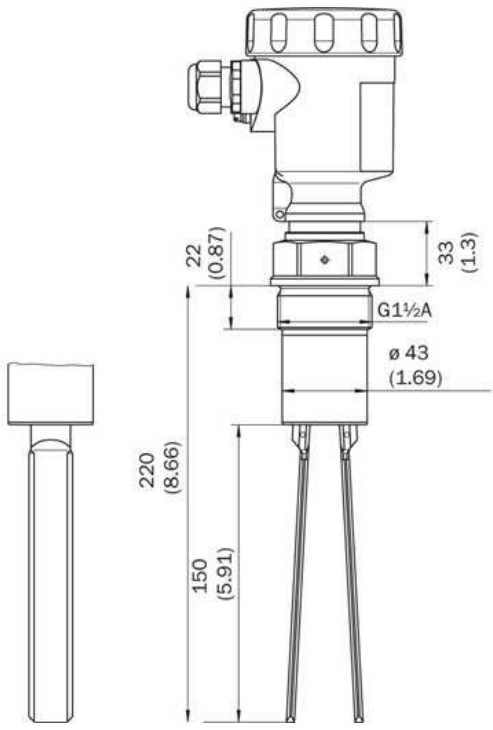
- |1| Marking with screwed version
- |2| Direction of flow

Horizontal mounting



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

Dimensional drawing



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