



Level sensors Vibrating level switch, LBV311

LBV311-XXAGCRKMX



Model Name > **LBV311-XXAGCRKMX**
Part No. > **6044864**



Illustration may differ

At a glance

- Compact, rugged device design
- Several housing materials and electrical outputs available
- Monoprobe design prevents bulk materials from sticking and jamming
- No sensor orientation requirements when mounted
- Commissioning without filling
- Process temperature up to 250 °C
- Polished versions for use in the food industry
- ATEX versions (1D/2D/1G/2G) available

Your benefits

- Easy installation, no orientation of the sensor required
- Easy operation and integration, saves time
- Monoprobe design for continual operation in challenging materials
- Simple, on-site sensor checking - no mounting required, which reduces installation time
- Flexible, rugged system suitable for several types of applications



Features

Medium:	Bulk solids
Measurement:	Switch
Probe length:	160 mm
Process pressure:	-1 bar ... 16 bar
Process temperature:	-50 °C ... 150 °C
ATEX certification:	-
Fill material density:	0.02 g/cm ³

Performance

Accuracy of sensor element:	± 10 mm
Repeatability:	≤ 5 mm
Response time:	500 ms when covered / 1000 ms when uncovered

Mechanical data

Housing material:	Plastic
Process connection:	G 1 A
Sensor material:	Stainless steel 316L, 318S

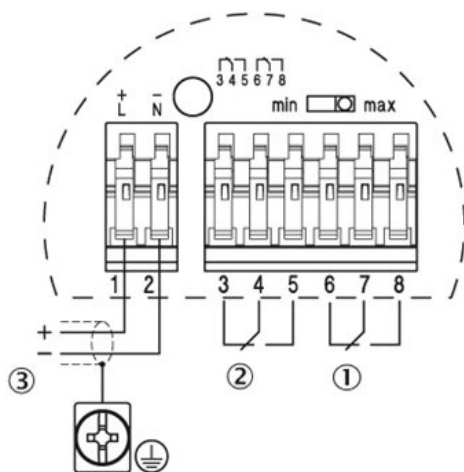
Electrical data

Enclosure rating:	IP 66/IP 67, IP 66/IP 68 (0.2 bar)
Power consumption:	5 mA ... 30 mA
VDE protection class 1:	✓
Initialization time:	< 2 s
Output signal:	Double relay (DPDT): 20 V DC ... 72 V DC/20 ... 253 V AC
Hysteresis:	10 mm
Output current:	> 10 μ A; < 3A AC, 1A DC
Connection type:	M20 x 1.5

Ambient data

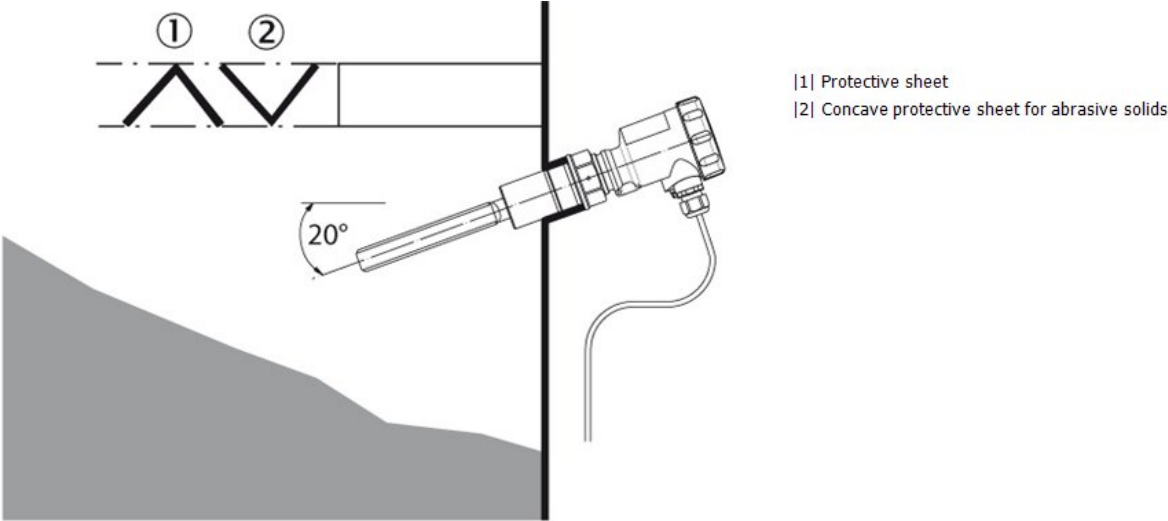
Ambient operating temperature:	-40 °C ... 70 °C
Ambient storage temperature:	-40 °C ... 80 °C

Double relay connection diagram

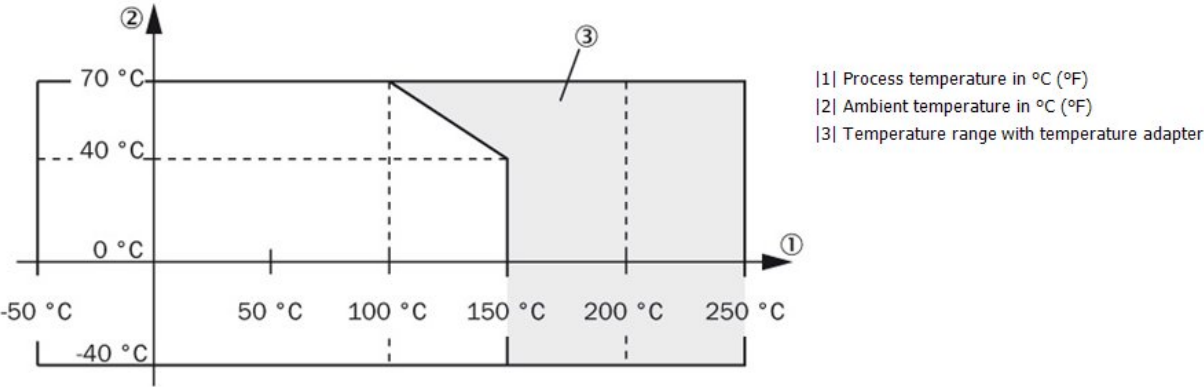


- [1] Relay output
- [2] Relay output
- [3] Power supply

Horizontal mounting



Ambient temperature - process temperature



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