



## Level sensors Vibrating level switch, LFV230

LFV230-XXSGBCPV0120



**Model Name** > LFB230-XXSGBCPV0120  
**Part No.** > 6043602



*Illustration may differ*

#### At a glance

- Housing made of 316L stainless steel
- Two electrical output versions available
- Commissioning without filling
- Process temperature up to 150 °C
- Immune to deposit formation
- Very high repeatability
- Aseptic versions with polished surface, CIP and SIP resistant
- Tube extension up to 6 m

#### 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
- Universal technology works in all kinds of liquids
- Economical solution for vertical mounting, reduces costs
- Vertical mounting protects against leaks



#### Features

|                        |                           |
|------------------------|---------------------------|
| Medium:                | Fluids                    |
| Measurement:           | Switch                    |
| Probe length:          | 120 mm                    |
| Process pressure:      | -1 bar ... 64 bar         |
| Process temperature:   | -40 °C ... +100 °C        |
| Silicon free:          | -                         |
| Fill material density: | $\geq 0.7 \text{ g/cm}^3$ |

#### Performance

|                             |                          |
|-----------------------------|--------------------------|
| Resolution:                 | $\leq 1 \text{ mm}$      |
| Accuracy of sensor element: | $\pm 2 \text{ mm}$       |
| Repeatability:              | $\leq 1 \text{ mm}$      |
| Viscosity:                  | 0.1 mPas ... 10,000 mPas |
| Response time:              | 500 ms                   |

### Mechanical data

|                     |                             |
|---------------------|-----------------------------|
| Housing material:   | Stainless steel 1.4404, PEI |
| Process connection: | G 3/4 A PN 64               |
| Wetted parts:       | 316L (optional Ra < 0.8 µm) |

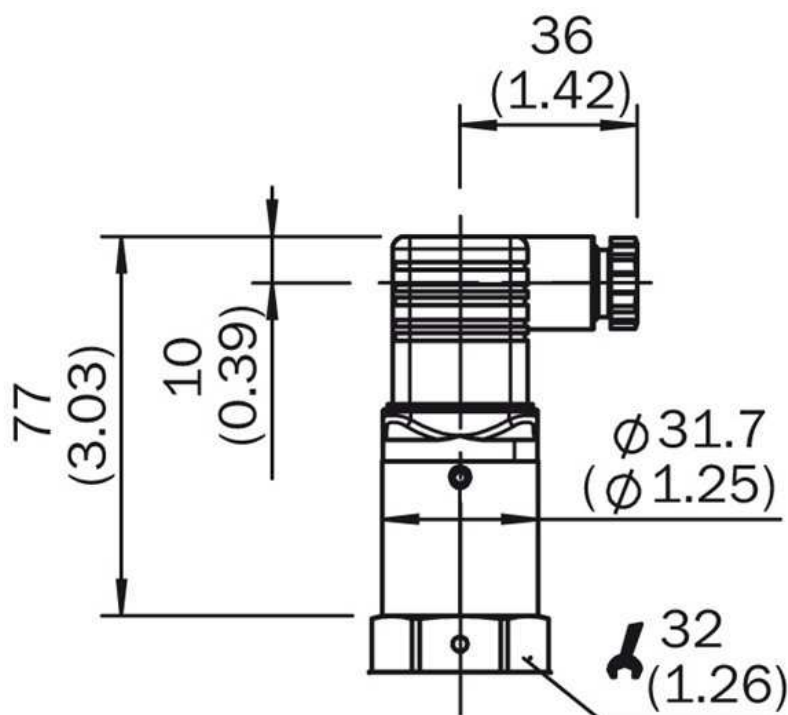
### Electrical data

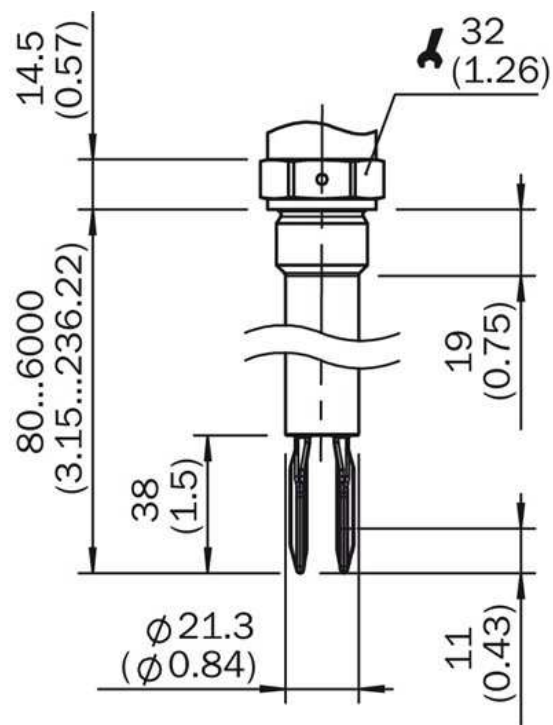
|                         |                            |
|-------------------------|----------------------------|
| Temperature drift:      | 0,03 mm/K                  |
| Enclosure rating:       | IP 65                      |
| Supply voltage:         | 20 V AC/DC ... 253 V AC/DC |
| Power consumption:      | < 10 mA                    |
| VDE protection class 2: | ✓                          |
| Initialization time:    | < 3 s                      |
| Hysteresis:             | 2 mm                       |
| Output current:         | < 250 mA                   |
| Capacitive load:        | 100 nF                     |
| Inductive load:         | ≤ 1 H                      |
| Electrical connection:  | Valve plug DIN 43650       |

### Ambient data

|                                |                   |
|--------------------------------|-------------------|
| Ambient temperature operation: | -40 °C ... +70 °C |
| Ambient storage temperature:   | -40 °C ... +80 °C |

### Dimensional drawing housing





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