



## Level sensors Vibrating level switch, LFV200

LFV200-XXTNBTPV



**Model Name** > [LFV200-XXTNBTPV](#)  
**Part No.** > [6041692](#)



*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 according to EHEDG and FDA available, CIP and SIP resistant

#### 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



#### Features

|                        |                   |
|------------------------|-------------------|
| Medium:                | Fluids            |
| Measurement:           | Switch            |
| Probe length:          | 40 mm             |
| Measuring range:       | 40 mm             |
| Process pressure:      | -1 bar ... 64 bar |
| Process temperature:   | -40 °C ... 150 °C |
| Silicon free:          | -                 |
| Fill material density: | 0.7               |

#### Performance

|                             |                          |
|-----------------------------|--------------------------|
| Resolution:                 | ≤ 1 mm                   |
| Accuracy of sensor element: | ± 2 mm                   |
| Repeatability:              | 1                        |
| Viscosity:                  | 0.1 mPas ... 10,000 mPas |
| Response time:              | 500 ms                   |

#### Mechanical data

|                   |                             |
|-------------------|-----------------------------|
| Aseptic:          | -                           |
| Housing material: | Stainless steel 1.4404, PEI |

|                     |                             |
|---------------------|-----------------------------|
| Process connection: | 3/4" NPT PN 64              |
| Wetted parts:       | 316L (optional Ra < 0.8 µm) |

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**Electrical data**

|                      |                      |
|----------------------|----------------------|
| Temperature drift:   | 0,03 mm/K            |
| Enclosure rating:    | IP 65                |
| Supply voltage:      | 10 V DC ... 55 V DC  |
| Ripple:              | ≤ 5 Vpp              |
| Power consumption:   | < 10 mA              |
| Protection class:    | 1                    |
| Initialization time: | 2 s                  |
| Hysteresis:          | 2 mm                 |
| Output current:      | < 250 mA             |
| Signal voltage HIGH: | Vs - < 3 V           |
| Signal voltage LOW:  | 0 V +- 1 V           |
| Capacitive load:     | 100 H                |
| Inductive load:      | ≤ 1 H                |
| Connection type:     | Valve plug DIN 43650 |

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**Ambient data**

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

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