ONLINE DATA SHEET
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Level sensors
Vibrating level switch, LFV200

LFV200-XATGATPVM

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Level sensors
Vibrating level switch, LFV200

Model Name > LFV200-XATGATPVM
Part No. > 6042562

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:	117 mm
Process pressure:	-1 bar ... 64 bar
Process temperature:	-40 °C ... +150 °C
Silicon free:	-
Authorizations:	WHG approval
WHG approval:	✓
Fill material density:	≥ 0.7 g/cm^3

Performance

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

Mechanical data

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Housing material:	Stainless steel 1.4404, PEI
Process connection:	G 1 A PN 64
Wetted parts:	316L (optional Ra < 0.8 µm)

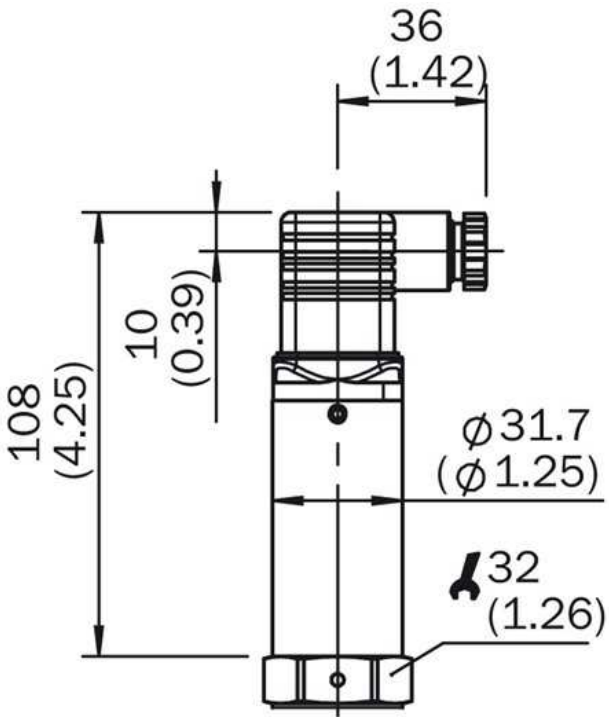
Electrical data

Temperature drift:	0,03 mm/K
Enclosure rating:	IP 65
Supply voltage:	10 V DC ... 55 V DC
Residual ripple:	≤ 5 Vpp
Power consumption:	< 10 mA
VDE protection class 2:	✓
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 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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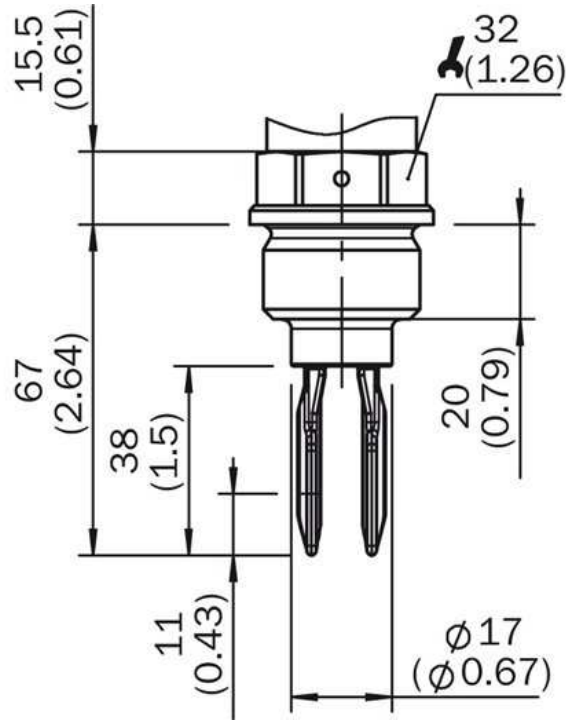
Dimensional drawing process connection



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