

# LFV200-XXSGATPVL

LFV200

**LEVEL SENSORS** 





Illustration may differ

# Ordering information

Туре	Part no.
LFV200-XXSGATPVL	6039203

Other models and accessories → www.sick.com/LFV200



# Detailed technical data

# **Features**

Medium	Fluids
Measurement	Switch
Probe length	115 mm
Process pressure	-1 bar 64 bar
Process temperature	-40 °C +100 °C
Fill material density	0.7 g/cm <sup>3</sup> 2.5 g/cm <sup>3</sup>

#### Performance

Accuracy of sensor element	± 2 mm
Reproducibility	≤ 1 mm
Viscosity	0.1 mPas 10,000 mPas
Resolution	≤ 1 mm
Response time	500 ms
MTBF	1,25*10^7 h

# Electronics

Supply voltage	9.6 V DC 35 V DC
Residual ripple	≤ 5 V <sub>pp</sub>
Power consumption	≤ 4.2 mA
Initialization time	<2s
VDE protection class 2	✓
Connection type	Valve plug DIN 43650
Output signal	Transistor output PNP
Hysteresis	2 mm
Signal voltage HIGH	Vs -3 V
Signal voltage LOW	0 V +- 1 V
Output current	< 250 mA
Inductive load	≤1H
Capacitive load	100 nF
Enclosure rating	IP65
Temperature drift	0.03 mm/K

#### Mechanics

Wetted parts	Stainless steel 1.4404
Process connection	G 1 A PN 64
Housing material	Stainless steel 1.4404, PEI

#### Ambient data

Ambient operating temperature	-40 °C +70 °C
Ambient temperature, storage	-40 °C +80 °C

#### Classifications

ECI@ss 5.0	27273202
ECI@ss 5.1.4	27273202
ECI@ss 6.0	27273202
ECI@ss 6.2	27273202
ECI@ss 7.0	27273202
ECI@ss 8.0	27273202
ECI@ss 8.1	27273202
ECI@ss 9.0	27273202
ECI@ss 10.0	27273202
ECI@ss 11.0	27273202
ETIM 5.0	EC002654
ETIM 6.0	EC002654
ETIM 7.0	EC002654
ETIM 8.0	EC002654
UNSPSC 16.0901	41111938

# Type code

# LFV200 type code

XX without

Overfill protection in acc. with WHG (German Federal Water Act)

Execution / Process temperature

S Standard / -40 °C ... +100 °C

Expanded / -40 °C ... +150 °C

H Hygiene applications / -40 °C ... +150 °C

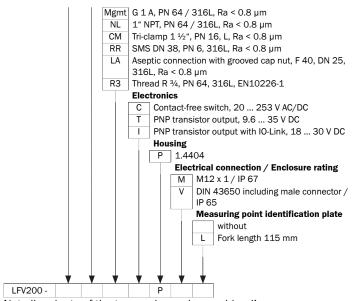
Process connection / Material

GH G ½, DIN3852-A, PN 64 / 316L

NH ½" NPT, ASME B1.20.1, PN 64 / 316L

RM Conical adapter DN 40, DIN 11851 with coupling nut PN 40/316L, Ra <  $0.8~\mu m$  Conical adapter DN 50, DIN 11851 with coupling nut PN

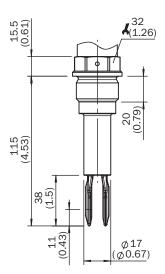
G 3/4 A, PN 64 / 316L, Ra < 0.8 μm NP 3/4" NPT, PN 64 / 316L, Ra < 0.8 μm



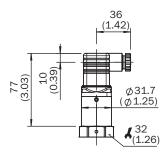
Not all variants of the type code can be combined!

Dimensional drawing (Dimensions in mm (inch))

Dimensional drawing process connection



Dimensional drawing housing



# Recommended accessories

Other models and accessories → www.sick.com/LFV200

	Brief description	Туре	Part no.
Flanges			
	Welded flange/welded connector, DIN11851-1, DN25 / PN40, Stainless steel 1.4404	BEF-FL-851D25-LFV2	5321527
	Welded flange/welded connector DIN11851-1, DN40 / PN40, Stainless steel 1.4404	BEF-FL-851D40-LFV2	5321459
	Welded flange/welded connector DIN11851-1, DN50 / PN25, Stainless steel 1.4404	BEF-FL-851D50-LFV2	5321528
	Welded flange/welded connector, process connection G 1, Stainless steel 1.4404	BEF-FL- GEWG10-LFV2	4054605
	Welded flange/welded connector, G 3/4 process connection, Stainless steel 1.4404	BEF-FL- GEWG34-LFV2	4054604
	Welded flange/welded connector, process connection Tri-Clamp 1", Stainless steel $1.4404$	BEF-FL-TCLI10-LFV2	5321678
	Welded flange/welded connector, process connection Tri-Clamp 2", Stainless steel 1.4404	BEF-FL-TCLI20-LFV2	5321679

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SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

# **WORLDWIDE PRESENCE:**

Contacts and other locations -www.sick.com

