

LFV230-XXTGBCPV0200 LFV200

VIBRATING LEVEL SWITCH





Ordering information

Туре	Part no.
LFV230-XXTGBCPV0200	6050420

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

Illustration may differ



Detailed technical data

Features

Medium	Fluids
Measurement	Switch
Probe length	200 mm
Process pressure	-1 bar 64 bar
Process temperature	-40 °C +150 °C
Fill material density	0.7 g/cm ³ 2.5 g/cm ³

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	20 V AC/DC 253 V AC/DC
Power consumption	≤ 4.2 mA
Initialization time	<3s
Connection type	Valve plug DIN 43650
Output signal	Non-contact switch
Hysteresis	2 mm
Inductive load	≤1H
Capacitive load	100 nF
Enclosure rating	IP65
Temperature drift	0.03 mm/K

Mechanics

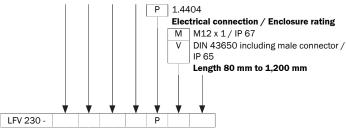
Wetted parts	Stainless steel 1.4404

Process connection	G 3/4 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	
ECLASS 5.0	27273202
ECLASS 5.1.4	27273202
ECLASS 6.0	27273202
ECLASS 6.2	27273202
ECLASS 7.0	27273202
ECLASS 8.0	27273202
ECLASS 8.1	27273202
ECLASS 9.0	27273202
ECLASS 10.0	27273202
ECLASS 11.0	27273202
ECLASS 12.0	27273106
ETIM 5.0	EC002654
ETIM 6.0	EC002654
ETIM 7.0	EC002654
ETIM 8.0	EC002654
UNSPSC 16.0901	41111938

Type code

LFV230 type code

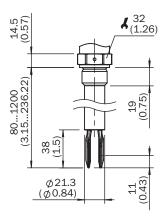
Certification XX without XA Overfill protection in acc. with WHG (German Federal Water Act) Execution / Process temperature S Standard / -40 °C ... +100 °C T Expanded / -40 °C ... +150 °C H Hygiene applications / -40 °C ... +150 °C Process connection / Material GB G 3/4 A, PN 64 / 316L NB 3/4" NPT, PN 64 / 316L GA G 1 A, PN 64 / 316L 1" NPT, PN 64 / 316L NA CL Tri-clamp 1", PN 16, L, Ra < 0.8 μm Tri-clamp 2", PN 16, L, Ra < 0.8 μm CN Conical adapter DN 25, DIN 11851 with coupling nut PN 40 / 316L, Ra < $0.8 \mu m$ 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 40 / 316L, Ra < $0.8 \mu m$ R3 Thread R 3/4, PN 64, 316L, EN10226-1 **Electronics** C Contact-free switch, 20 ... 253 V AC/DC PNP transistor output, 9.6 ... 35 V DC I PNP transistor output with IO-Link, 18 ... 30 V DC Housing



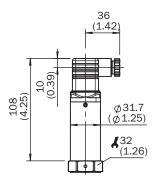
Not all variants of the type code can be combined!

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

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VIBRATING LEVEL SWITCH

	Brief description	Туре	Part no.
	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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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."

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