

# LFV230-XASNBTPV0100

LFV200

**VIBRATING LEVEL SWITCH** 





## Ordering information

Туре	Part no.	
LFV230-XASNBTPV0100	6053631	

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

Illustration may differ



#### Detailed technical data

#### **Features**

Medium	Fluids
Measurement	Switch
Probe length	100 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>
WHG approval	✓
Authorizations	WHG approval

#### 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	< 10 mA
Initialization time	<2s
VDE protection class 2	✓
Connection type	Valve plug DIN 43650
Output signal	Transistor output PNP
Hysteresis	2 mm
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	<sup>3</sup> ⁄ <sub>4</sub> " NPT 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

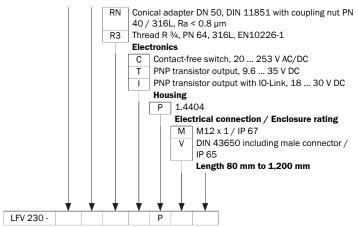
ECLASS 5.0	27273202
ECLASS 5.1.4	27273202
ECLASS 6.0	27273202
ECLASS 6.2	27273202
ECLASS 7.0	27273202
ECLASS 8.0	27273202
ECLASS 8.1	27273202
ECLASS 9.0	27273202
ECLASS 10.0	27273202
ECLASS 11.0	27273202
ECLASS 12.0	27273106
ETIM 5.0	EC002654
ETIM 6.0	EC002654
ETIM 7.0	EC002654
ETIM 8.0	EC002654
UNSPSC 16.0901	41111938

## Type code

## LFV230 type code

#### Certification

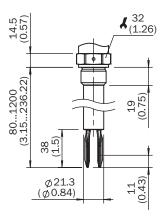
IICat	IUII		
with	nout		
Overfill protection in acc. with WHG (German Federal Water Act)			
Execution / Process temperature			
S	Stand	dard / -40 °C +100 °C	
T Expanded / -40 °C +150 °C			
H Hygiene applications / -40 °C +150 °C			
Process connection / Material			
- 1	GB	G 3/4 A, PN 64 / 316L	
	NB	<sup>3</sup> / <sub>4</sub> " NPT, PN 64 / 316L	
	GA	G 1 A, PN 64 / 316L	
	NA	1" NPT, PN 64 / 316L	
	CL	Tri-clamp 1", PN 16, L, Ra < 0.8 μm	
	CN	Tri-clamp 2", PN 16, L, Ra < 0.8 μm	
	RL	Conical adapter DN 25, DIN 11851 with coupling nut PN	
		40 / 316L, Ra < 0.8 μm	
	RM	Conical adapter DN 40, DIN 11851 with coupling nut PN	
		40 / 316L, Ra < 0.8 μm	
	with Ove <b>Exe</b> S	S Stanc T Expar H Hygie Proce GB NB GA NA CL CN RL	



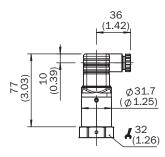
Not all variants of the type code can be combined!

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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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

