

LFV230-XXSGAIPM0128

LFV200

LEVEL SENSORS





Ordering information

Туре	Part no.	
LFV230-XXSGAIPM0128	6068332	

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

Illustration may differ



Detailed technical data

Features

Medium	Fluids
Measurement	Switch
Probe length	128 mm
Process pressure	-1 bar 64 bar
Process temperature	-40 °C +100 °C
Fill material density	0.7 g/cm ³ 2.5 g/cm ³
IO-Link	✓

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	1,3*10^7 h

Electronics

Supply voltage	18 V DC 30 V DC
Residual ripple	≤ 5 V _{pp}
Power consumption	< 10 mA
Initialization time	<2s
VDE protection class 2	✓
Connection type	M12 round connector x 1, 4-pin
Output signal	Transistor output PNP with IO-Link
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	IP67
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 storage temperature	-40 °C +80 °C

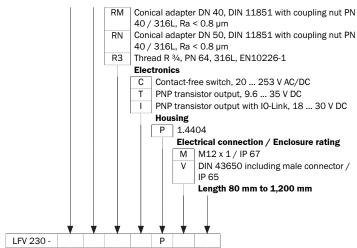
Classifications

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
UNSPSC 16.0901	41111938

Type code

LFV230 type code

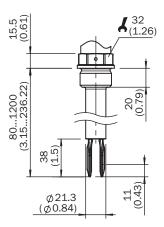
٠.				
Certi	fication	on		
XX	with	out		
XA	Over	fill pro	tection in acc. with WHG (German Federal Water Act)	
,	Exe	cution	/ Process temperature	
	S	Stand	dard / -40 °C +100 °C	
	T	Expai	nded / -40 °C +150 °C	
	H Hygiene applications / -40 °C +150 °C			
	Process connection / Material			
		GB	G 3/4 A, PN 64 / 316L	
		NB	³ / ₄ " NPT, PN 64 / 316L	
		GA	G 1 A, PN 64 / 316L	
		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 I	
			40 / 316L, Ra < 0.8 μm	
			-	



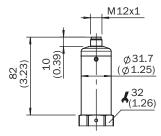
Not all variants of the type code can be combined!

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

Recommended services

Additional services → www.sick.com/LFV200

	Туре	Part no.
Function Block Factory		
• Description: The Function Block Factory supports common programmable logic controllers (PLCs) from various manufacturers, such as Siemens, Beckhoff, Rockwell Automation and B&R. More information on the FBF can be found here .	Function Block Factory	On request

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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:

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