

LFV200-XXTNAIPM

LFV200

LEVEL SENSORS





Ordering information

Туре	Part no.
LFV200-XXTNAIPM	6066387

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

Illustration may differ



Detailed technical data

Features

Medium	Fluids
Measurement	Switch
Probe length	67 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
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	1" NPT 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

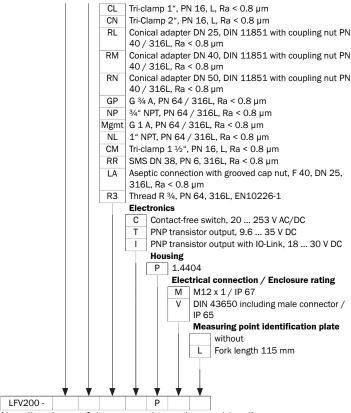
ECI@ss 5.0	27273202
ECI@ss 5.1.4	27273202
ECI@ss 6.0	27273202
ECI@ss 6.2	27273202
ECI@ss 7.0	27273202
ECI@ss 8.0	27273202
ECI@ss 8.1	27273202
ECI@ss 9.0	27273202
ECI@ss 10.0	27273202
ECI@ss 11.0	27273202
ETIM 5.0	EC002654
ETIM 6.0	EC002654
ETIM 7.0	EC002654
UNSPSC 16.0901	41111938

Type code

LFV200 type code

Certification

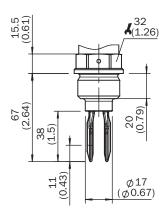
	Ce	rti	ification			
	X	X without				
	X	Α	Overfill protection in acc. with WHG (German Federal Water Ac			
	Execution / Process temperature					
	ĺ		S	Stand	dard / -40 °C +100 °C	
			Т	Expar	nded / -40 °C +150 °C	
	H Hygiene applications / -40 °C +150 °C			ne applications / -40 °C +150 °C		
	Process connection / Material					
				GH	G ½, DIN3852-A, PN 64 / 316L	
				NH	½" NPT, ASME B1.20.1, PN 64 / 316L	
GB G		GB	G ¾ A, PN 64 / 316L			
				NB	3/4" NPT, PN 64 / 316L	
				GA	G 1 A, PN 64 / 316L	
				NA	1" NPT, PN 64 / 316L	



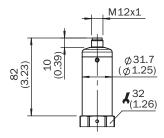
Not all variants of the type code can be combined!

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				
1	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				
Fieldbus modules							
	Number of IO-Link ports: 4; Communication mode: COM1/COM2; IO-Link version: IO-Link V1.0; Switching input: PNP; Supply voltage Vs, IO-Link ports: DC 24 V; Current loading: 800 mA; Data transmission rate: Max. 12 MBaud, Autobaud; Address space occupation: 1 bis 126; Connection type: Connector M12; Connection type, IO-Link ports: Connector M12, 5-pin; Suppyl voltage Vs, module: DC 18 30 V; Power consumption: Typ. 75 mA / max. 100 mA (at UL with DC 24 V), Typ. 25 mA + sensor current / max. 80	IOLSHPB-P3104R01	6039728				

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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