

LFV200-XXSGBCPV

LFV200

LEVEL SENSORS





Illustration may differ

Ordering information

Туре	Part no.
LFV200-XXSGBCPV	6036367

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

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Detailed technical data

Features

Medium	Fluids
Measurement	Switch
Probe length	67 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

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
VDE protection class 1	✓
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 ¾ 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

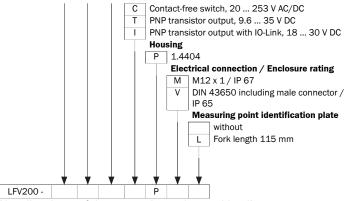
F018 F 0	07072000
ECI@ss 5.0	27273202
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ECI@ss 7.0	27273202
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ECI@ss 11.0	27273202
ETIM 5.0	EC002654
ETIM 6.0	EC002654
ETIM 7.0	EC002654
ETIM 8.0	EC002654
UNSPSC 16.0901	41111938

Type code

LFV200 type code

Ce	rtifica	atio	n			
X	X w	itho	ut			
X	A 0	Overfill protection in acc. with WHG (German Federal Water Act)				
	E	Execution / Process temperature				
	5	S	Stand	lard / -40 °C +100 °C		
	-	Т	Expan	nded / -40 °C +150 °C		
	ŀ	Н	Hygie	ne applications / -40 °C +150 °C		
			Proce	ess connection / Material		
			GH	G ½, DIN3852-A, PN 64 / 316L		
			NH	½" NPT, ASME B1.20.1, PN 64 / 316L		
			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		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 $<0.8~\mu m$			
	PM.		RM	Conical adapter DN 40, DIN 11851 with coupling nut PN		
				40 / 316L, Ra < 0.8 µm		
		RN	Conical adapter DN 50, DIN 11851 with coupling nut PN			
				40 / 316L, Ra < 0.8 μm		
			GP	G ³ / ₄ A, PN 64 / 316L, Ra < 0.8 μm		
			NP	$^{3}\!4$ " NPT, PN 64 / 316L, Ra < 0.8 μ m		
		1	Mgmt	G 1 A, PN 64 / 316L, Ra < 0.8 μm		
			NL	1" NPT, PN 64 / 316L, Ra < 0.8 μm		
			CM	Tri-clamp 1 ½", PN 16, L, Ra < 0.8 μm		
			RR	SMS DN 38, PN 6, 316L, Ra < 0.8 μm		
			LA	Aseptic connection with grooved cap nut, F 40, DN 25,		
				316L, Ra < 0.8 μm		
			R3	Thread R ³ / ₄ , PN 64, 316L, EN10226-1		

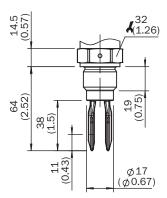
Electronics



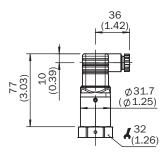
Not all variants of the type code can be combined!

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

LFV200-XXSGBCPV | LFV200

LEVEL SENSORS

Brief description	Туре	Part no.
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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For us, that is "Sensor Intelligence."

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