



SICK Sensor Intelligence.

LEVEL SENSORS

LEVEL SENSORS



Ordering information

Туре	Part no.
LFP1000-G7DMC	1083790

2077391 included in delivery

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





Detailed technical data

Features

Medium	Fluids
Measurement	Switch, Continuous
Design	Remote amplifier, length of cable 3.3 m
Probe length	1,000 mm
Process pressure	-1 bar 16 bar
Process temperature	-20 °C +180 °C
UL approval	\checkmark
RoHS certificate	\checkmark
IO-Link	\checkmark
EHEDG approval	\checkmark

Performance

Accuracy of sensor element	± 5 mm
Reproducibility	≤ 2 mm
Resolution	1 mm
Response time	< 400 ms ¹⁾
Dielectricity constant	≥ 5 for rod probe≥ 1.8 with coaxial tube
Conductivity	No limitation
Deactivated area at process connection	25 mm ²⁾
Deactivated area at end of probe	≥ 10 mm ³⁾
MTTF	194.3 years (EN ISO 13849-1)
Display	\checkmark

 $^{1)}$ Dependent on measuring mode (high speed < 400 ms, high accuracy < 2,800 ms).

 $^{2)}$ With parameterized container with water under reference conditions, otherwise 40 mm.

 $^{\rm 3)}$ With water under reference conditions.

Electronics

LICOUDINGS	
Communication interface	IO-Link
Supply voltage	12 V DC 30 V DC ¹⁾
Power consumption	\leq 75 mA at 24 V DC without output load
Initialization time	≤2s
Protection class	III
Connection type	M12 round connector x 1, 8-pin
Length of cable	3.3 m
Output signal	1 x PNP + 3 x PNP/NPN + 4 mA 20 mA / 0 V 10 V
Output load	4 mA 20 mA < 500 Ohm at Uv > 13,5 V, 4 mA 20 mA < 400 Ohm at Uv > 12 V, 0 V 10 V > 750 Ohm at Uv 14 \geq V
Hysteresis	Min. 2 mm, free adjustable
Output current	< 100 mA
Inductive load	<1H
Capacitive load	< 100 nF
Enclosure rating	IP67 / 69: EN 60529
Temperature drift	< 0.1 mm/K
Lower signal level	3.8 mA 4 mA, 0 V
Upper signal level	20 mA 20.5 mA, 10.5 V
EMC	EN 61326-2-3, 2014/30/EU

 $^{\left(1\right) }$ All connections are polarity protected. All outputs are overload and short-circuit protected.

Mechanics

Wetted parts	316L (Ra ≤ 0,8 µm), PEEK
Process connection	G 3⁄4 A
Housing material	303
Housing design	With closed cover
Max. probe load	≤ 6 Nm
Material coaxial cable	FEP
Length coaxial cable	3.3 m
Ambient data	
Ambient operating temperature	-20 °C +60 °C
Ambient temperature, storage	-40 °C +80 °C
Ambient temperature coaxial cable	-20 °C +60 °C
Outdoor use	Only with weather hood
Classifications	
ECLASS 5.0	27200513
ECLASS 5.1.4	27200513
ECLASS 6.0	27200513
ECLASS 6.2	27200513
ECLASS 7.0	27200513

27200513

ECLASS 8.0

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ECLASS 8.1	27200513
ECLASS 9.0	27200513
ECLASS 10.0	27200513
ECLASS 11.0	27200513
ECLASS 12.0	27200513
ETIM 5.0	EC001447
ETIM 6.0	EC001447
ETIM 7.0	EC001447
ETIM 8.0	EC001447
UNSPSC 16.0901	41113710

Type code

Type code

Utility Without probe 2000 200 mm (in increments of 10 mm) 4,000 4,000 mm Process connection/probe version C 6 % A; probe rod 1.4404 interchangeable; 150 °C 16 bar D %* NPT; probe rod 1.4404 interchangeable; 150 °C 16 bar D %* NPT; probe rod 1.4404 P %* A (connection for plarmaceutical process connection) / probe rod made of 1.4404, Ra ≤ 0.4 µm (verification), 150 °C, 16 bar, 3.1 material certificate, calibration certificate Housing /display/device connection I Stainless-steel housing with display, cover with sight glass / 1 x 5-pin M12 male connector 2 Stainless-steel housing with display, cover with sight glass / 1 x 5-pin M12 male connector 6 Stainless-steel housing with display, cover with sight glass / 1 x 5-pin M12 male connector 7 Stainless-steel housing with display, cover with sight glass / 1 x 5-pin M12 male connector 8 Stainless-steel housing with display, cover with sight glass/cable connection, 5-pin C Stainless-steel housing with display, cover with sight glass/cable connection, 5-pin C Stainless-steel housing with display, cover with sight glass/cable connection, 5-pin D Stainless-steel housing with display, solid cover/cable connection, 5-pin D	Probe len	gth in mm
0200 200 mm (in increments of 10 mm) 4000 Process connection/probe version C G % A; probe rod 1.4404 interchangeable; 150 °C 16 bar D %* NPT; probe rod 1.4404 P G % A (connection for hygienic adapters) / probe rod made from 1.4404 N %* NPT/probe rod from 1.4404 P G % A (connection for pharmaceutical process connection) / probe rod made of 1.4404, Ra ≤ 0.4 µm (verification), 150 °C, 16 bar, 3.1 material certificate, calibration certificate Housing/display/device connection 1 Stainless-steel housing with display, cover with sight glass / 1 × 5-pin M12 male connector 3 Stainless-steel housing with display, solid cover / 1 x 5-pin M12 male connector G Stainless-steel housing with display, solid cover / 1 x 5-pin M12 male connector G Stainless-steel housing with display, solid cover / 1 x 8-pin M12 male connector G Stainless-steel housing with display, solid cover / cable connection, 5-pin B Stainless-steel housing with display, solid cover/cable connection, 8-pin C Stainless-steel housing with display, solid cover/cable connection, 8-pin D Stainless-steel housing with display, solid cover/cable connection, 8-pin D Stainless-steel housing with display, solid cover/cable connection, 8-pin		-
4000 4.000 mm Process connection/probe version C G % A: probe rod 1.4404 interchangeable; 150 °C 16 bar G G % A: (connection for hygienic adapters) / probe rod made from 1.4404 N %" NPT; probe rod from 1.4404 P G % A: (connection for pharmaceutical process connection) / probe rod made of 1.4404, Ra ≤ 0.4 µm (verification), 150 °C, 16 bar, 3.1 material certificate, calibration certificate Volume Tainless-steel housing with display, solid cover / 1x S tainless-steel housing with display, solid cover / 1x S tainless-steel housing with display, solid cover / 1x S tainless-steel housing with display, solid cover / 1x S tainless-steel housing with display, solid cover / 1x S tainless-steel housing with display, solid cover / 1x S tainless-steel housing with display, solid cover / 1x S tainless-steel housing with display, solid cover / 1x S tainless-steel housing with display, solid cover / 1x S tainless-steel housing with display, solid cover/cable connection, 5-pin B Stainless-steel housing with display, solid cover/cable connection, 5-pin C Stainless-steel housing with display, solid cover/cable connection, 5-pin D Stainless-steel housing with display, solid cover/cable connection, 5-pin D Stainless-ste		•
C G ¾ A; probe rod 1.4404 interchangeable; 150 °C 16 bar D ¾ NPT; probe rod 1.4404 P G ¾ A (connection for hygienic adapters) / probe rod made from 1.4404 N ¾ NPT/probe rod from 1.4404 P G ¼ A (connection for pharmaceutical process connection) / probe rod made of 1.4404, Ra \$ 0.4 µm (verification), 150 °C, 16 bar, 3.1 material certificate, calibration certificate Housing/display/device connection 1 Stainless-steel housing with display, cover with sight glass / 1 x 5-pin M12 male connector 2 Stainless-steel housing with display, sold cover / 1 x 5-pin M12 male connector 3 Stainless-steel housing with display, sold cover / 1 x 5-pin M12 male connector 6 Stainless-steel housing with display, sold cover / 1 x 8-pin M12 male connector 7 Stainless-steel housing with display, sold cover / 1 x 8-pin M12 male connector 7 Stainless-steel housing with display, sold cover / 1 x 8-pin M12 male connector 7 Stainless-steel housing with display, sold cover / 1 x 8-pin M12 male connector 7 Stainless-steel housing with display, sold cover / 1 x 8-pin M12 male connector 7 Stainless-steel housing with display, sold cover/cable connection, 8-pin 8 Stainless-steel housing with display, solid cover/cable connection, 8-pin 9 Stainless-		
D %* NPT; probe rod 1.4404 interchangeable; 150 °C 16 bar G 3% A (connection for hygienic adapters) / probe rod made from 1.4404 N %* NPT/probe rod from 1.4404 P G 3% A (connection for pharmaceutical process connection) / probe rod made of 1.4404, Ra ≤ 0.4 µm (verification), 150 °C 16 bar, 3.1 material certificate, calibration certificate Housing/display/device connection 1 Stainless-steel housing with display, cover with sight glass / 1 x 5-pin M12 male connector 2 Stainless-steel housing 3-A-compliant with display, solid cover / 1 x 5-pin M12 male connector 3 Stainless-steel housing with display, solid cover / 1 x 8-pin M12 male connector 6 Stainless-steel housing with display, solid cover / 1 x 8-pin M12 male connector 7 Stainless-steel housing with display, solid cover / 1 x 8-pin M12 male connector 8 Stainless-steel housing with display, solid cover / 1 x 8-pin M12 male connector A Stainless-steel housing with display, solid cover/cable connection, 5-pin B Stainless-steel housing with display, solid cover/cable connection, 8-pin D Stainless-steel housing with display, solid cover/cable connection, 8-pin B Stainless-steel housing with display, solid cover/cable connection, 8-pin D Stainless-steel housing with display, solid cover/cable connection, 8-pin <th></th> <th>Process connection/probe version</th>		Process connection/probe version
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from 1.4404 N 3/4" NPT/probe rod from 1.4404 P G 3/4 A (connection for pharmaceutical process connection) / probe rod made of 1.4404, Ra ≤ 0.4 µm (verification), 150 °C, 16 bar, 3.1 material certificate, calibration certificate Housing/display/device connection 1 Stainless-steel housing with display, cover with sight glass / 1 x 5-pin M12 male connector 2 Stainless-steel housing 3.4-compliant with display, solid cover / 1 x 5-pin M12 male connector 3 Stainless-steel housing with display, coure with sight glass / 1 x 8-pin M12 male connector 6 Stainless-steel housing with display, coure with sight glass / 1 x 8-pin M12 male connector 7 Stainless-steel housing with display, coure with sight glass / 1 x 8-pin M12 male connector 8 Stainless-steel housing with display, solid cover / 1 x 8-pin M12 male connector 7 Stainless-steel housing with display, solid cover/cable connection, 5-pin 8 Stainless-steel housing with display, solid cover/cable connection, 5-pin C Stainless-steel housing with display, solid cover/cable connection, 8-pin D Stainless-steel housing with display, solid cover/cable connection, 8-pin C Stainless-steel housing with display, solid cover/cable connection, 8-pin D Standard B		D 3/4" NPT; probe rod 1.4404 interchangeable; 150 °C 16 bar
N ¾" NPT/probe rod from 1.4404 P G ¾A (connection for pharmaceutical process connection) / probe rod made of 1.4404, Ra ≤ 0.4 µm (verification), 150 °C, 16 bar, 3.1 material certificate, calibration certificate Housing/display/device connection 1 Stainless-steel housing with display, cover with sight glass / 1 x 5-pin M12 male connector 2 Stainless-steel housing with display, solid cover / 1 x 5-pin M12 male connector 3 Stainless-steel housing with display, solid cover / 1 x 5-pin M12 male connector 6 Stainless-steel housing with display, solid cover / 1 x 8-pin M12 male connector 7 Stainless-steel housing with display, solid cover / 1 x 8-pin M12 male connector 8 Stainless-steel housing with display, solid cover / 1 x 8-pin M12 male connector 9 Stainless-steel housing with display, solid cover/cable connection, 5-pin 10 Stainless-steel housing with display, cover with sight glass/cable connection, 5-pin 11 Stainless-steel housing with display, solid cover/cable connection, 8-pin 12 Stainless-steel housing with display, solid cover/cable connection, 5-pin 13 Stainless-steel housing with display, solid cover/cable connection, 8-pin 14 B Remote amplifier; length of cable 1 m 14 B Remote amplifier; length of cable 2 m <th></th> <th>G G 3/4 A (connection for hygienic adapters) / probe rod made</th>		G G 3/4 A (connection for hygienic adapters) / probe rod made
P G 34 A (connection for pharmaceutical process connection) / probe rod made of 1.4404, Ra ≤ 0.4 µm (verification), 150 °C, 16 bar, 3.1 material certificate, calibration certificate Housing/display/device connection 1 Stainless-steel housing with display, cover with sight glass / 1 x 5-pin M12 male connector 2 Stainless-steel housing with display, solid cover / 1 x 5-pin M12 male connector 3 Stainless-steel housing with display, cover with sight glass / 1 x 5-pin M12 male connector 6 Stainless-steel housing with display, cover with sight glass / 1 x 8-pin M12 male connector 7 Stainless-steel housing with display, cover with sight glass/cable connecton, 5-pin 8 Stainless-steel housing with display, solid cover / 1 x 8-pin M12 male connector 7 Stainless-steel housing with display, solid cover / 1 x 8-pin M12 male connector 8 Stainless-steel housing with display, solid cover / cable connection, 5-pin B Stainless-steel housing with display, solid cover/cable connection, 8-pin D Stainless-steel housing with display, solid cover/cable connection, 8-pin D Stainless-steel housing with display, solid cover/cable connection, 8-pin D Stainless-steel housing with display, solid cover/cable connection, 8-pin D Stainless-steel housing with display, solid cover/cable connection, 8-pin D </td <td></td> <td></td>		
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D Stainless-steel housing with display, solid cover/cable connection, 8-pin Application type/design N Standard B Remote amplifier; length of cable 1 m C Remote amplifier; length of cable 2 m D Remote amplifier; length of cable 3.3 m Signal output M M 4 20 mA / 010 V, switchable Switching output I x PNP + 1 x PNP/NPN I x PNP + 1 x PNP/NPN Device type Standard L LABS-cleaned LABS-cleaned		C Stainless-steel housing with display, cover with sight
connection, 8-pin Application type/design N Standard B Remote amplifier; length of cable 1 m C Remote amplifier; length of cable 2 m D Remote amplifier; length of cable 3.3 m Signal output M M 4 20 mA / 010 V, switchable Switching output B C 1 x PNP + 1 x PNP/NPN Device type Standard L LABS-cleaned		glass/cable connection, 8-pin
Application type/design N Standard B Remote amplifier; length of cable 1 m C Remote amplifier; length of cable 2 m D Remote amplifier; length of cable 3.3 m Signal output M M 4 20 mA / 0 10 V, switchable Switching output B Ix PNP + 1x PNP/NPN C 1 x PNP + 1x PNP/NPN C 1 x PNP + 3 x PNP/NPN Device type Standard L LABS-cleaned		
N Standard B Remote amplifier; length of cable 1 m C Remote amplifier; length of cable 2 m D Remote amplifier; length of cable 3.3 m Signal output M M 4 20 mA / 0 10 V, switchable Switching output B I x PNP + 1 x PNP/NPN C 1 x PNP + 3 x PNP/NPN Device type Standard L LABS-cleaned		
B Remote amplifier; length of cable 1 m C Remote amplifier; length of cable 2 m D Remote amplifier; length of cable 3.3 m Signal output M M 4 20 mA / 010 V, switchable Switching output B 1 x PNP + 1 x PNP/NPN C 1 x PNP + 3 x PNP/NPN Device type Standard L LABS-cleaned		
C Remote amplifier; length of cable 2 m Remote amplifier; length of cable 3.3 m Signal output M 4 20 mA / 010 V, switchable Switching output B 1 x PNP + 1 x PNP/NPN C 1 x PNP + 3 x PNP/NPN Device type Standard L LABS-cleaned		
D Remote amplifier; length of cable 3.3 m Signal output M 4 20 mA / 010 V, switchable Switching output B 1 x PNP + 1 x PNP/NPN C 1 x PNP + 3 x PNP/NPN Device type Standard L LABS-cleaned		
Signal output M 4 20 mA / 010 V, switchable Switching output B 1 x PNP + 1 x PNP/NPN C 1 x PNP + 3 x PNP/NPN Device type Standard L LABS-cleaned		
M 4 20 mA / 0 10 V, switchable Switching output B 1 x PNP + 1 x PNP/NPN C 1 x PNP + 3 x PNP/NPN Device type Standard LABS-cleaned		
Switching output B 1 x PNP + 1 x PNP/NPN C 1 x PNP + 3 x PNP/NPN Device type Standard L ABS-cleaned		
B 1 x PNP + 1 x PNP/NPN 1 x PNP + 3 x PNP/NPN Device type Standard L ABS-cleaned		
C 1 x PNP + 3 x PNP/NPN Device type Standard L ABS-cleaned		
Device type Standard LABS-cleaned		
L Standard LABS-cleaned		
LFP - M M		
LFP - M M		
	LFP	- M M

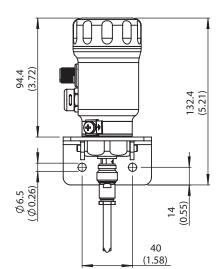
Not all variants of the type code can be combined!

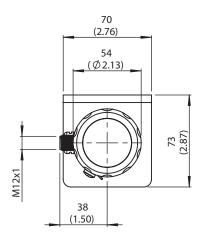
Dependence between length of coaxial cable and probe length

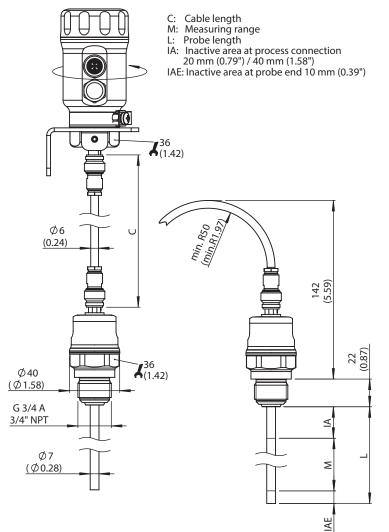
Length of coaxial cable (mm)	Max. probe length (mm) - foam mode deactivated	Max. probe length (mm) - foam mode active
1000	4,000	2000
2000	3,000	1500
3300	1,000	500

Dimensional drawing (Dimensions in mm (inch))

Remote amplifier





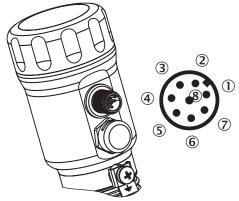


All dimensions in mm (inch)

LEVEL SENSORS

Connection type

M12 round connector, 8-pin



The wire colors for 8-pin cables are not uniform. Always note the pin assignment of the sensor.

- ① L⁺: Supply voltage
- ② Q₂: Switching output 2, PNP/NPN
- ③ M: Ground, reference ground for current-/voltage output
- ④ C/Q₁: Switching output 1, PNP/IO-Link-communication
- (5) Q₃: Switching output 3, PNP/NPN
- 6 Q₄: Switching output 4, PNP/NPN
- ⑦ Q_A: Analog current-/voltage output
- ⑧ No function

Recommended accessories

Other models and accessories -> www.sick.com/LFP_Inox

	Brief description	Туре	Part no.	
Hardware				
-	Weather protection cover for LFP Inox, material: 304	APR-WP- LFP001-0001	2069530	
Spare parts				
No No	Spare coaxial cable for LFP Inox, remote amplifier, length 3.3 m	CBL-CX-003300-LFPI	2077797	
T	Cover closed, material 1.4305	Cover closed	2067269	
O	Cover for LFP Inox with inspection window, material 1.4305 and PMMA	Cover with front screen	2067267	
Device protection (mechanical)				
	Coaxial tube for LFP with process connection G $^{3\!}\!\!\!\!\!\!\!\!^{3\!}_{4}$, process connection of coaxial tube G $^{3\!}\!\!\!\!\!^{3\!}_{4}$, material 1.4571/316Tl, for probe length 200 mm	LFPCT-0200G1	2068141	
	Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 300 mm	LFPCT-0300G1	2068142	
	Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 400 mm	LFPCT-0400G1	2068143	

LFP1000-G7DMC | LFP Inox LEVEL SENSORS

Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 500 mmLFPCT-0500G1Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 600 mmLFPCT-0600G1Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 640 mmLFPCT-0640G1Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 640 mmLFPCT-0640G1Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 700 mmLFPCT-0700G1	2068144 2068145 2087877 2068146 2068147			
G 3/4, material 1.4571/316TI, for probe length 600 mmLFPCT-0640G1Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 640 mmLFPCT-0640G1Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube tube for LFP with process connection G 3/4, process connection of coaxial tubeLFPCT-0700G1	2087877 2068146			
G 3/4, material 1.4571/316TI, for probe length 640 mmLFPCT-0700G1Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tubeLFPCT-0700G1	2068146			
	2068147			
Coaxial tube for LFP with process connection G 3/4, process connection of coax probe G 3/4, material 1.4571/316TI, for probe length 800 mm				
Coaxial probe for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 900 mmLFPCT-0900G1	2067507			
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1000 mm	2065702			
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1100 mm	2068148			
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1200 mm	2068149			
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1270 mm	2142066			
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1300 mm	2068150			
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube LFPCT-1400G1 G 3/4, material 1.4571/316TI, for probe length 1400 mm	2068151			
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube LFPCT-1500G1 G 3/4, material 1.4571/316TI, for probe length 1500 mm	2068152			
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube LFPCT-1600G1 G 3/4, material 1.4571/316TI, for probe length 1600 mm	2068153			
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1700 mm	2068154			
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube G 3/4, material 1.4571/316TI, for probe length 1800 mm	2068155			
Coaxial tube for LFP with process connection G 3/4, process connection of coax probe G 3/4, material 1.4571/316TI, for probe length 1900 mm	2068156			
Coaxial tube for LFP with process connection G 3/4, process connection of coaxial tube CFPCT-2000G1 G 3/4, material 1.4571/316TI, for probe length 2000 mm	2065703			
langes				
Hygienic process connection adapter, coupling (DIN 11864-1) DN 25 form A with union nut; hygienic in accordance with EHEDGBEF-HA- 641D25-LFP1	2058795			
Hygienic process connection adapter, coupling (DIN 11864-2) DN 25 form A; hygienic in BEF-HA- accordance with EHEDG BEF-HA- 642D25-LFP1	2058823			
Hygienic process connection adapter, clamp coupling (DIN 11864-3) BKS DN 25 form A, hygienic in accordance with EHEDG BEF-HA-643D25-LFP1	2058821			
Hygienic process connection adapter, conical coupling (DIN 11851), DN 25% with grooved cap nut; hygienic in accordance with EHEDG in combination with ASEPTO-STAR k-flex upgrade gaskets from Kieselmann GmbH or SKS gasket set DIN 11851 EHEDG with EPDM or FKM inner gasket from Siersema Komponenten Service (S.K.S.) B.VBEF-HA- 851D25-LFP1	2058138			

Flanges

LEVEL SENSORS

	Brief description	Туре	Part no.
\bigcirc	Hygienic process connection adapter, conical coupling (DIN 11851), DN 40 ^G with grooved cap nut, material 1.4404 (Ra \leq 0.8 µm); hygienic in accordance with EHEDG in combination with ASEPTO-STAR k-flex upgrade gaskets from Kieselmann GmbH or SKS gasket set DIN 11851 EHEDG with EPDM or FKM inner gasket from Siersema Komponenten Service (S.K.S.) B.V	BEF-HA- 851D40-LFP1	2058139
\bigcirc	Hygienic process connection adapter, conical coupling (DIN 11851), DN 50 with grooved cap nut; hygienic in accordance with EHEDG in combination with ASEPTO-STAR k-flex upgrade gaskets from Kieselmann GmbH or SKS gasket set DIN 11851 EHEDG with EPDM or FKM inner gasket from Siersema Komponenten Service (S.K.S.) B.V	BEF-HA- 851D50-LFP1	2058141
	Hygienic process connection adapter, conical coupling (DIN 11851), DN 65 th with grooved cap nut; hygienic in accordance with EHEDG in combination with ASEPTO-STAR k-flex upgrade gaskets from Kieselmann GmbH or SKS gasket set DIN 11851 EHEDG with EPDM or FKM inner gasket from Siersema Komponenten Service (S.K.S.) B.V	BEF-HA- 851D65-LFP1	2063328
	Hygienic process connection adapter, Tri-Clamp 1" and 1 $\frac{1}{2}$ "; hygienic in accordance with EHEDG in combination with T-seals or Tri-Clamp seals from Combifit International B.V.	BEF-HA-TCLI10-LFP1	2058808
	Hygienic process connection adapter, Tri-Clamp 1" and 1 ½", including acceptance test certificate 3.1; Ra \leq 0.4 µm, hygienic in accordance with EHEDG in combination with T-seals or Tri-Clamp seals from Combifit International B.V.	BEF-HA-TCLI10-LFP2	2126242
	Hygienic process connection adapter, Tri-Clamp 1" and $$ 1 $^{1\!\!/}_{2}$ " with leakage indication port according to 3-A guidelines	BEF-HA-TCLI10-LFP3	2058851
	Hygienic process connection adapter, Tri-Clamp 2"; hygienic in accordance with EHEDG in combination with T-seals or Tri-Clamp seals from Combifit International B.V.	BEF-HA-TCLI20-LFP1	2058824
	Hygienic process connection adapter, Tri-Clamp 2"; including acceptance test certificate 3.1; Ra \leq 0.4 µm, hygienic in accordance with EHEDG in combination with T-seals or Tri-Clamp seals from Combifit International B.V.	BEF-HA-TCLI20-LFP2	2126243
	Hygienic process connection adapter, Tri-Clamp 2 $^{1\!/}_2$; hygienic in accordance with EHEDG in combination with T-seals or Tri-Clamp seals from Combifit International B.V.	BEF-HA-TCLI25-LFP1	2069518
	Hygienic process connection adapter, Varivent connection form N; hygienic in accor- dance with EHEDG in combination with EPDM O-ring	BEF-HA-VAR- TYN-LFP1	2058822
	Weld-in flange, hygienic, G 3/4" including acceptance test certificate 3.1, Ra \leq 0.4 $\mu\text{m},$ Stainless steel 1.4404	BEF-HA- SWFL54-LFP2	2122489
Terminal and	alignment brackets		
	1 piece, Centering for bypass- and immersion tube installation with diameter 40 mm 100 mm, \mbox{PTFE}	BEF-FL-BYRD40-LFP1	2059612
Others			
6	 Connection type head A: Female connector, M12, 5-pin, straight Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 2 m, 5-wire, PP Description: Sensor/actuator cable, unshielded Connection systems: Flying leads Note: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hydrogin and washbalawing appendix and a seried out the seried out and washbalawing appendix and seried out the seried and the seried and the seried and the seried and the seried as the seried out the seried and the seried as the seried as	DOL-1205-G02MRN	6058494

• Application: Hygienic and washdown zones, Drag chain operation

LFP1000-G7DMC | LFP Inox LEVEL SENSORS

Brief description	Туре	Part no.
 Connection type head A: Female connector, M12, 5-pin, straight Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 5 m, 5-wire, PP Description: Sensor/actuator cable, unshielded Connection systems: Flying leads Note: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones, Drag chain operation 	DOL-1205-G05MRN	6058495
 Connection type head A: Female connector, M12, 5-pin, straight Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 10 m, 5-wire, PP Description: Sensor/actuator cable, unshielded Connection systems: Flying leads Note: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones, Drag chain operation 	DOL-1205-G10MRN	6058496
 Connection type head A: Female connector, M12, 5-pin, straight Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 25 m, 5-wire, PVC Description: Sensor/actuator cable, unshielded Connection systems: Flying leads Note: This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones 	DOL-1205-G25MNI	6052628
 Connection type head A: Female connector, M12, 5-pin, straight Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 25 m, 5-wire, PP Description: Sensor/actuator cable, unshielded Connection systems: Flying leads Note: This product is generally resistant to chemical cleaning agents (see ECOLAB) and other chemical compounds such as H2O2 and CH2O2. Before permanent installation is carried out, the material's resistance to the cleaning agent being used must be checked., Resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones, Drag chain operation 	DOL-1205-G25MRN	6058497
 Connection type head A: Female connector, M12, 5-pin, straight Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 2 m, 5-wire, PVC Description: Sensor/actuator cable, unshielded Connection systems: Flying leads Note: This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones 	DOL-1205-G02MNI	6052625
 Connection type head A: Female connector, M12, 5-pin, straight Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 5 m, 5-wire, PVC Description: Sensor/actuator cable, unshielded Connection systems: Flying leads Note: This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones 	DOL-1205-G05MNI	6052626

LEVEL SENSORS

	Brief description	Туре	Part no.
1	 Connection type head A: Female connector, M12, 5-pin, straight Connection type head B: Flying leads Signal type: Sensor/actuator cable Cable: 10 m, 5-wire, PVC Description: Sensor/actuator cable, unshielded Connection systems: Flying leads Note: This product is generally resistant to chemical cleaning agents (see ECOLAB). Please do not use cleaning agents of any other Kind., Not resistant against lactic acid & hydrogen peroxide (H2O2) Application: Hygienic and washdown zones 	DOL-1205-G10MNI	6052627

Recommended services

Additional services -> www.sick.com/LFP_Inox

	Туре	Part no.
Function Block Factory		
 Description: The Function Block Factory is an engineering tool for creating device and environment-specific function blocks that enable IO-Link sensors to be integrated into programmable logic controllers. The Function Block Factory supports common programmable logic controllers (PLCs) of various manufacturers such as Siemens, Beckhoff, Rockwell Automation B&R and more. More information on the FBF can be found https://fbf.cloud.sick.com Provision: Customers can obtain access to the Function Block Factory and the license via https://fbf.cloud.sick.com 	Function Block Factory	On request

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

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



Online data sheet

