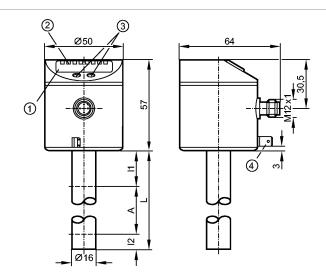


LK0728B-B-00KQPKG/US

Level sensors



- 1: 4-digit alphanumeric display
- 2: status LEDs
- 3: Programming buttons
- 4: Housing connection (flat-pin connector 6.3 mm following DIN 46244)



Output

Output function



Product characteristics		
Electronic level sensor		
Quick disconnect		
Probe length: L = 728 mm		
2 switching outputs		
4-digit alphanumeric display		
Application		
Application		Hydrous coolants, oils, water, media similar to water
Cannot be used for:		extremely conductive and adhering media, granulates and bulk materials, acids and alkalis, food and electroplating applications
Dielectric constant medium		> 2
Medium temperature oil		
- Continuous	[°C]	070
- Short time	[°C]	090
Medium temperature water a hydrous media	and [°C]	035 (LK1024 + E43102: 055) **)
Medium temperature coolant emulsions	t [°C]	035 (LK1024 + E43102: 055) **)
Maximum speed of the chan level	ge of [mm/s]	300
Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	1830 DC
Current consumption	[mA]	< 60
Protection class		III
Reverse polarity protection		yes
Outputs		
_	1	

2 switching outputs 2 x normally open / closed programmable

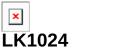


LK1024 LK0728B-B-00KQPKG/US



Level sensors

Current rating	[mA]	200
Voltage drop		< 2.5
	[V]	
Short-circuit protection Overload protection		thermal, pulsed
		yes
Measuring / setting range Probe length L		728
	[mm]	
Active range A	[mm]	585
Inactive range I1 / I2 Setting range	[mm]	102 / 40
5 5	[mm]	60590
Set point, SP	[mm]	50580
Reset point, rP	[mm]	10
in steps of	[mm]	-
Hysteresis	[mm]	10
Overflow prevention OP	[mm]	200 - 240 - 280 - 310 - 350 - 390 - 420 - 460 - 500 - 530 - 570 - 610
Hysteresis OP	[mm]	4
Accuracy / deviations Deviations (% of value of m	easuring ra	anga)
Switch point accuracy		± 5
Repeatability		± 2
Reaction times		<u> </u>
Power-on delay time	[s]	3
Software / programming	[9]	3
Programming options		hysteresis / window function; N.O. / N.C; position of SP/rP; position of OP;
		OP adjustment; medium adjustment; offset; display unit
Environment		
Ambient temperature	[°C]	060
Storage temperature	[°C]	-2580
Maximum vessel pressure	[bar]	0.5 (mounted with mounting accessories E43001 - E43007)
Protection		IP 67
Tests / approvals		
EMC		EN 61000-4-2 ESD: 4 kV CD / 8 kV AD
		EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV
		EN 61000-4-4 Buist. 2 kV EN 61000-4-6 HF conducted: 10 V
Shock resistance		DIN EN 60068-2-29: 15 g (11 ms)
Vibration resistance		DIN EN 60068-2-6 5 g (102000 Hz)
MTTF	[Years]	265
Mechanical data		
Materials (wetted parts)		PP
Housing materials		stainless steel (304S15); FKM; NBR; PBT; PC; PEI; PP; TPE / V
Weight	[kg]	0.507
Displays / operating elem		
Display Display		Display unit / status 2 x LED green
-F - 7		Switching status 2 x LED yellow
		Measured values 4-digit alphanumeric display
		Programming 4-digit alphanumeric display





LK0728B-B-00KQPKG/US Level sensors

Electrical connection

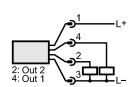
Connection

M12 connector (according to EN 61076-2-101); gold-plated contacts

Wiring

Programming of the output function: Hno = hysteresis / normally open Hnc = hysteresis / normally closed Fno = window function / normally open Fnc = window function / normally closed





Remarks		
Remarks		cULus - Class 2 source required **) for water and hydrous media with temperatures > 35 °C install the unit into a climatic tube (order no. E43102)
Pack quantity	[piece]	1

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