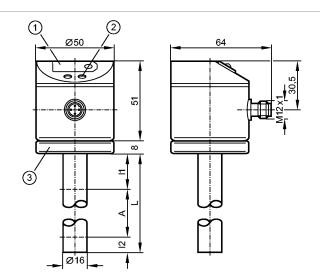


LK0472A-A-00KQPKG/US Level sensors



- 1: 7-segment LED display
 2: Programming buttons
 3: Housing connection with cable lug for cable 1.5 2.5 mm²





Output function Current rating

[mA]

Product characteristics		
Electronic level sensor		
Quick disconnect		
Probe length: L = 472 mm		
2 switching outputs		
7-segment LED display		
Amplication		

7-segment LED display		
Application		
Application		hydrous coolants mineral oils (dielectric constant < 3) water, media similar to water cannot be used for media with separation layers (oil + water; oil/metal layer) cannot be used for acids and alkalis
Dielectric constant medium		> 2
Medium temperature oil	[°C]	065
Medium temperature water and hydrous media	l [°C]	060 **)
Medium temperature coolant emulsions	[°C]	060 **)
Medium temperature	[°C]	035 (LK7023 + E43101: 060) **)
Maximum speed of the change level [r	of mm/s]	200
Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	1230 DC
Current consumption	[mA]	< 80
Protection class		III
Reverse polarity protection		yes
Outputs		
Output		2 switching outputs

2 x normally open / closed programmable

200



LK0472A-A-00KQPKG/US

Level sensors

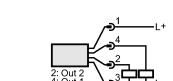
Voltage drop	[V]	< 2.5	
Short-circuit protection		yes (non-latching)	
Overload protection		yes	
Measuring / setting range	:		
Probe length L	[mm]	472	
Active range A	[mm]		
Inactive range I1 / I2	[mm]	53 / 30	
Setting range			
Set point, SP	[mm]	40415	
Reset point, rP	[mm]	35410	
in steps of	[mm]	5	
Hysteresis	[mm]	5	
Accuracy / deviations			
Deviations (% of value of mo	easuring ra	ange)	
Switch point accuracy		± 5	
Repeatability		± 2	
Reaction times			
Power-on delay time	[s]	3	
Software / programming			
Adjustment of the switch po	int	Programming button	
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 61000-4-5 Surge: 500 V / 1 kV	
		EN 61000-4-6 HF conducted: 10 V	
Shock resistance		DIN EN 60068-2-29: 12 g (11 ms)	
Vibration resistance		DIN EN 60068-2-6 2.5 g (102000 Hz)	
MTTF	[Years]	265	
Mechanical data			
Materials (wetted parts)		PP (polypropylene)	
Housing materials		EPDM/X (Santoprene); FPM (Viton); brass Optalloy-plated; NBR (Buna N); PA; PBT (Pocan); PC (Makrolon); PP (polypropylene)	
Weight	[kg]	0.597	
Displays / operating elem	ents		
Display		Switching status 2 x LED red Measured values 7-segment LED display Programming 7-segment LED display	
Electrical connection			
Connection		M12 connector; gold-plated contacts	
Wiring			





LK0472A-A-00KQPKG/US Level sensors

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



Complementary outputs: output 1: = Hno, output 2: = Hnc (with the same SP / rP)

Remarks		
Remarks		**) for water and hydrous media with temperatures > 35 °C install the unit into a climatic tube (order no. E43101)
Pack quantity	[piece]	1

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