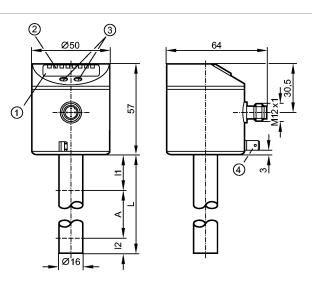


LK1023

LK0472B-B-00KQPKG/US





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

LIGTED		
Product characteristics		
Electronic level sensor		
Quick disconnect		
Probe length: L = 472 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 an hydrous media	d [°C]	035 (LK1023 + E43101: 060) **)
Medium temperature coolant emulsions	[°C]	035 (LK1023 + E43101: 060) **)
Maximum speed of the change level	e of [mm/s]	200
Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	1830 DC
Current consumption	[mA]	< 60
Protection class		III
Reverse polarity protection		yes
Outputs		
Output		2 switching outputs
Output function		2 x normally open / closed programmable

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Current rating	[m A]	200
Current rating	[mA]	200
Voltage drop	[V]	< 2.5
Short-circuit protection		thermal, pulsed
Overload protection		yes
Measuring / setting range		170
Probe length L	[mm]	472
Active range A	[mm]	390
Inactive range I1 / I2	[mm]	53 / 30
Setting range	[]	10,005
Set point, SP	[mm]	40395
Reset point, rP	[mm]	35390
in steps of	[mm]	5
Hysteresis	[mm]	5
Overflow prevention OP	[mm]	139 - 163 - 188 - 212 - 236 - 261 - 285 - 310 - 334 - 358 - 383 - 407
Hysteresis OP	[mm]	3
Accuracy / deviations		
Deviations (% of value of m	easuring ra	
Switch point accuracy		±5
Repeatability		± 2
Reaction times		
Power-on delay time	[S]	3
Software / programming		
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
•	[°C]	-2580
Storage temperature	[°C]	
Maximum vessel pressure	[bar]	0.5 (mounted with mounting accessories E43001 - E43007) IP 67
Protection		IP 07
Tests / approvals		
EMC		EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m
		EN 61000-4-3 HP radiated. 10 V/III EN 61000-4-4 Burst: 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]	0.405
Displays / operating elem		
Display		Display unit / status 2 x LED groop
Display		Display unit / status 2 x LED green Switching status 2 x LED yellow
		Measured values 4-digit alphanumeric display
		Programming 4-digit alphanumeric display



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Electrical connection			
Connection		M12 connector (according to EN 61076-2-101); gold-plated contacts	
Wiring		2 – 1	
Programming of the output funct Hno = hysteresis / normally oper Hnc = hysteresis / normally clos Fno = window function / normall Fnc = window function / normall	n ed y open	$3 \xrightarrow{4} 4$ 2: Out 2 4: Out 1 $3 \xrightarrow{4} 1$ 2: Out 2 $3 \xrightarrow{4} 1$ $3 \xrightarrow{4} 1$ $1 \xrightarrow{4} 1$	
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. E43101)	
Pack quantity [p	oiece]	1	

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