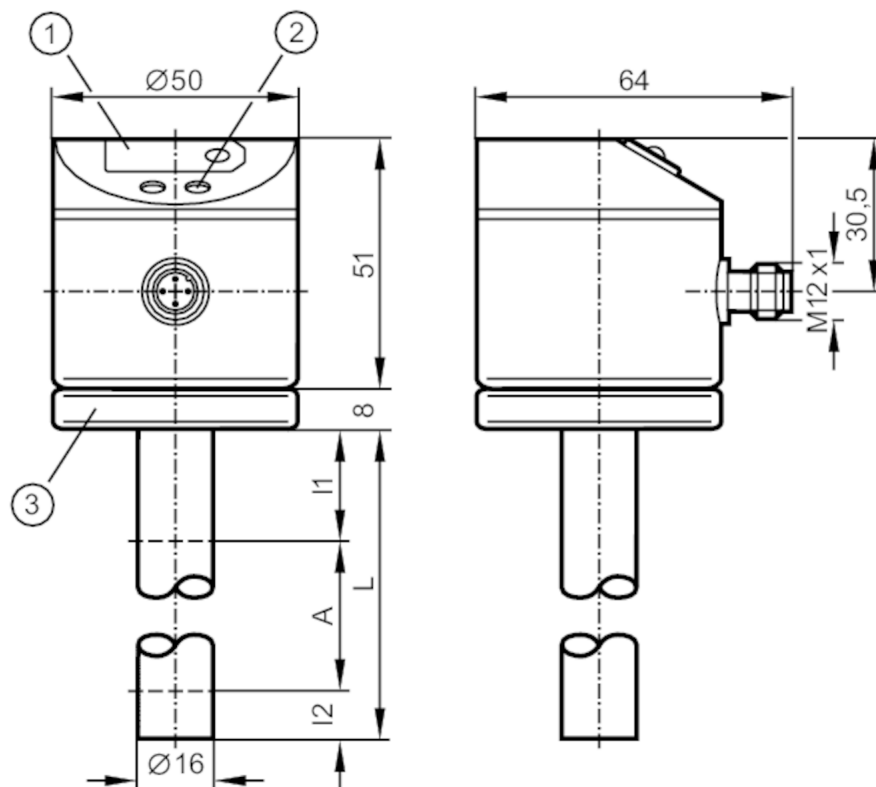


Continuous level sensor

LK0264A-A-00KQNG/US

Article no longer available - archive entry



- 1 7-segment LED display
 2 programming buttons
 3 housing connection with cable lug for cable 1.5...2.5 mm²



Product characteristics

Number of inputs and outputs	Number of digital outputs: 2
Probe length L [mm]	264

Application

Special feature	Gold-plated contacts
Media	hydrous coolants; mineral oils (dielectric constant < 3); water; media similar to water
Dielectric constant of the medium	> 2
Cannot be used for	media with separation layers (oil / water; oil / metal layer); acids and alkalis
Medium temperature [°C]	0...65; (For water and hydrous media with temperatures > 35 °C install the unit into a climatic tube.)
Tank pressure [bar]	0.5; (when mounting with mounting accessories: E43001 - E43007, E43019)

Electrical data

Operating voltage [V]	12...30 DC
Current consumption [mA]	< 80
Protection class	III
Reverse polarity protection	yes
Power-on delay time [s]	3



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Measuring principle		capacitive	
Inputs / outputs			
Number of inputs and outputs		Number of digital outputs: 2	
Outputs			
Total number of outputs		2	
Output signal		switching signal	
Electrical design		NPN	
Number of digital outputs		2	
Output function		normally open / normally closed; (parameterisable)	
Max. voltage drop switching output DC [V]		2.5	
Permanent current rating of switching output DC [mA]		200	
Short-circuit protection		yes	
Type of short-circuit protection		pulsed	
Overload protection		yes	
Measuring/setting range			
Probe length L [mm]		264	
Active range A [mm]		195	
Inactive range I1 / I2 [mm]		53 / 15	
Setting range			
Set point SP [mm]		25...205	
Reset point rP [mm]		20...200	
In steps of [mm]		5	
Hysteresis [mm]		5	
Accuracy / deviations			
Measuring error [X16]		± 5	
Repeatability		± 2	
Software / programming			
Adjustment of the switch point		programming button	
Operating conditions			
Ambient temperature [°C]		0...60	
Storage temperature [°C]		-25...80	
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		12 g	
Vibration resistance		2.5 g	

LK0022



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Mechanical data		
Dimensions	[mm]	Ø 16
Materials	EPDM/X; FKM; brass Optalloy-plated; NBR; PA; PBT; PC; PP	
Materials (wetted parts)	PP	
Displays / operating elements		
Display	switching status	2 x LED, red
	function display	7-segment LED display
	measured values	7-segment LED display
Remarks		
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

