LI5045

Sensor for point level detection

LI0273--K-00KNPKG/US/V

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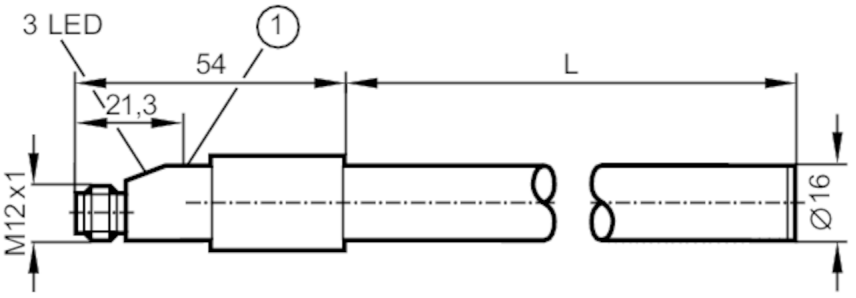

1 programming button

CE

Product characteristics		
Number of inputs and outputs		Number of digital outputs: 1
Probe length L	[mm]	273
Application		
Special feature		Gold-plated contacts
Media		water; hydrous media; coolant emulsions
Cannot be used for		acids and alkalis; liquids with dielectric constant < 20 (e.g. oils)
Medium temperature	[°C]	0...35
Tank pressure	[bar]	0.5; (when mounting with mounting accessories: E43001 - E43007, E43019)
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	13; (24 V)
Protection class		II
Reverse polarity protection		yes
Measuring principle		capacitive
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 1
Outputs		
Total number of outputs		1
Output signal		switching signal
Electrical design		PNP
Number of digital outputs		1
Output function		normally open / normally closed; (parameterisable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	5
Short-circuit protection		yes

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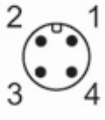
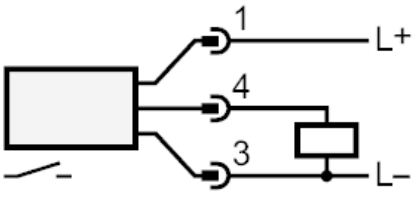
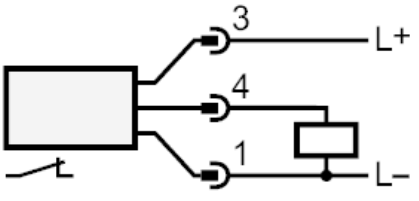
Type of short-circuit protection		pulsed	
Overload protection		yes	
Measuring/setting range			
Probe length L	[mm]	273	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 67	
Tests / approvals			
EMC		EN 61000-4-2 ESD	15 kV CD / 8 kV AD
		EN 61000-4-3 HF radiated	10 V/m
		EN 61000-4-4 Burst	2 kV coupling clamp
		EN 61000-4-6 HF conducted	10 V (500 Ω AC)
Mechanical data			
Dimensions	[mm]	Ø 16	
Materials		PP; TPE-V	
Materials (wetted parts)		PP	
Displays / operating elements			
Display		operation	1 x LED, green
		switching status	1 x LED, yellow
		unsafe zone	1 x LED, red
Remarks			
Remarks		On delivery the programming button is electronically locked.	
Pack quantity		1 pcs.	

Electrical connection

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