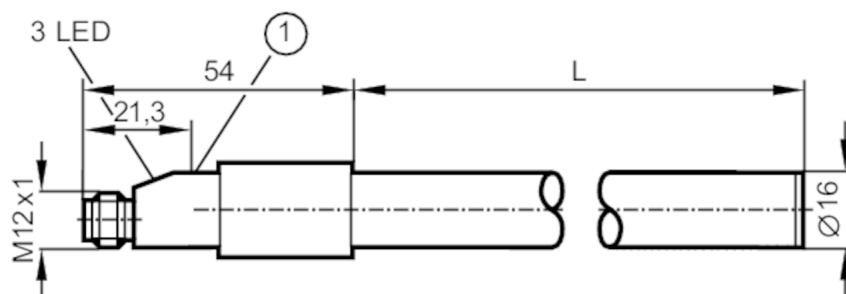




Sensor for point level detection

LI0273--K-00KNPKG/US/V

Article no longer available - archive entry



1 programming button



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
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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

LI5045



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Type of short-circuit protection	pulsed
Overload protection	yes

Measuring/setting range

Probe length L	[mm]	273
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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]	$\varnothing$ 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

