

LI5042



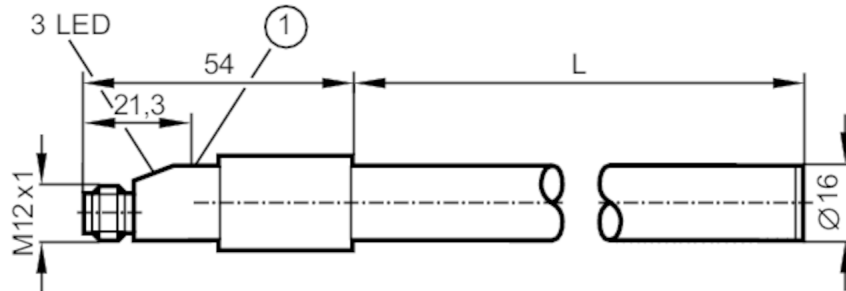
Sensor for point level detection

LI0273--K-00KNPKG/US

Article no longer available - archive entry

Alternative articles: LI5142

When selecting an alternative article and accessories please note that technical data may differ!



1 Programming button



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1
Probe length L [mm]	273

Application

System	gold-plated contacts
Media	Coolants; oils
Cannot be used for	acids; alkali
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]	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 / closed; (configurable)	
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	
Type of short-circuit protection	yes (non-latching)	
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	
Material	PP; TPE-V	
Materials (wetted parts)	PP	
Displays / operating elements		
Display	Power	1 x LED, green
	Switching status	1 x LED, yellow
	Unsafe zone	1 x LED, red
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12; Contacts: gold-plated		
		

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