

LI2042



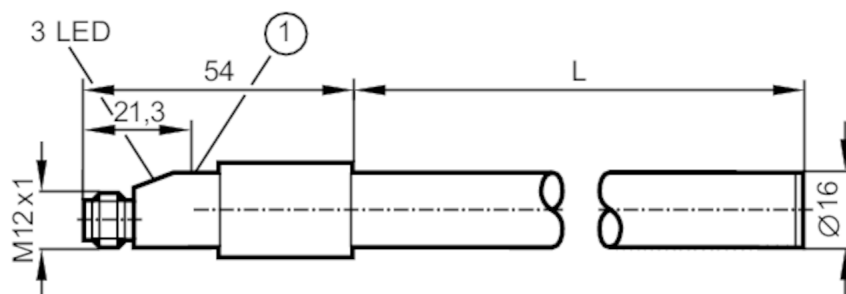
Sensor for point level detection

LI0273--K-00KNPKG/US

Article no longer available - archive entry

Alternative articles: LI2142

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: 0...35 °C)
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 closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250

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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
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Operating conditions

Ambient temperature	[°C]	0...65
Note on ambient temperature		for water and hydrous media: 0...35 °C
Protection		IP 67

Tests / approvals

Approval	WHG § 19	
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-H

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.
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Electrical connection

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



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Connection

