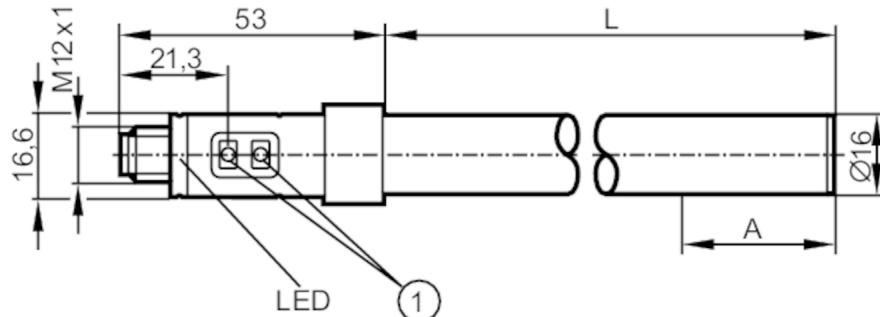


LI5142



Sensor for point level detection

LI0273--K-00KNPKG/US



1 Programming buttons



Application

Media	hydrous coolants; oils; water; media similar to water	
Dielectric constant of the medium	> 1,8	
Recommended media	hydrous coolants; oils; water; media similar to water	
Cannot be used for	granulates; bulk material; acids; alkali	
Tank pressure [bar]	-0.5...0.5; (when mounting with mounting accessories: E43001 - E43007, E43019)	
oil		
Medium temperature [°C]		0...65
Medium temperature short time [°C]		0...80
water		
Medium temperature [°C]	0...35; (LI5142 + E43100: 0...65; for water and hydrous media with temperatures > 35 °C install the unit into a climatic tube)	

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	22; (24 V)
Protection class	III
Reverse polarity protection	yes

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]	200
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Measuring/setting range		
Probe length L	[mm]	273
Active range A	[mm]	31
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65; IP 67
Tests / approvals		
EMC	EN 61000-6-2 EN 61000-6-4	: 2005 + Corr. 2005 : 2007
Shock resistance	DIN EN 60068-2-29	12 g (11 ms)
Vibration resistance	DIN EN 60068-2-6	5 g (10...2000 Hz)
MTTF [years]		608
Mechanical data		
Weight [g]		175.5
Dimensions [mm]		Ø 16
Material		PP-GF30; TPE-U
Materials (wetted parts)		PP
Displays / operating elements		
Display	Power Switching status	LED, green LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12; Contacts: gold-plated		
		

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Connection

