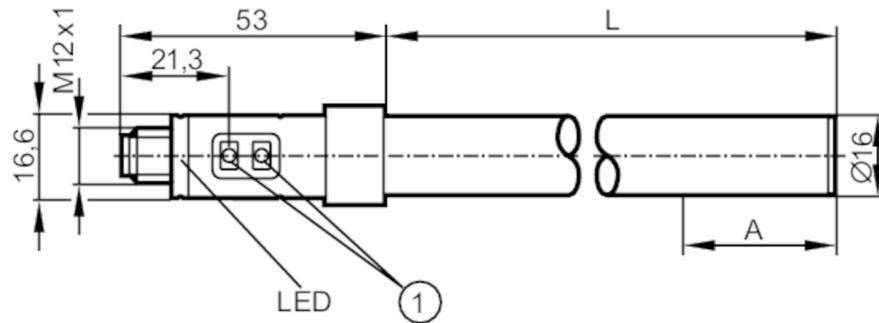


LI5141



Sensor for point level detection

LI0132--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; (LI5141 + E43103: 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

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]	200
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

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Measuring/setting range		
Probe length L	[mm]	132
Active range A	[mm]	31
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65; IP 67
Tests / approvals		
EMC	EN 61000-6-2	: 2005 + Corr. 2005
	EN 61000-6-4	: 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]	148.8
Dimensions	[mm]	Ø 16
Materials		PP-GF30; TPE-U
Materials (wetted parts)		PP
Displays / operating elements		
Display	operation	LED, green
	switching status	LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12; Contacts: gold-plated		
		

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Connection

