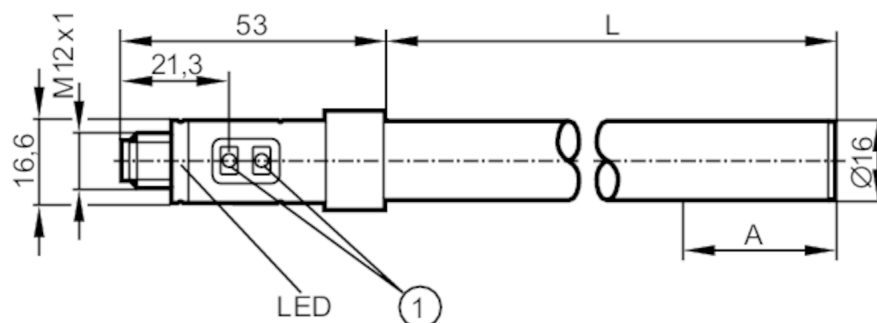


LI2143



Level sensor for limit detection with overspill protection (German Federal Water Act)

LI0481--K-00KNPKG/US/WHG



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
water		
Medium temperature	[°C]	0...35
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
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]	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]	481
Active range A	[mm]	31

Operating conditions

Ambient temperature	[°C]	0...65
Protection		IP 65; IP 67

Tests / approvals

Approval	WHG § 19	
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]	248.2
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.
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Electrical connection

Connector: 1 x M12; Contacts: gold-plated



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Connection

