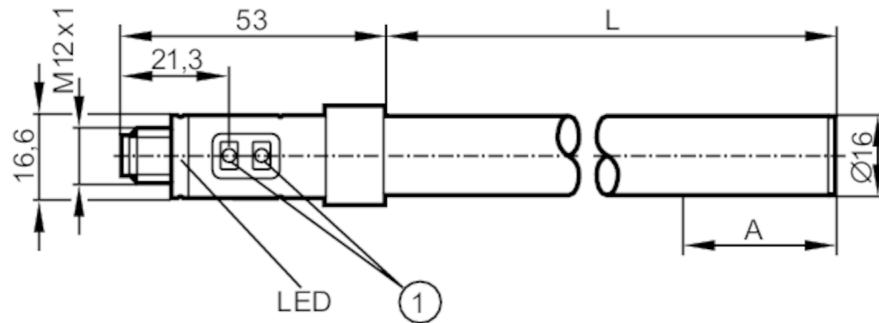


# LI2142



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

LI0273--K-00KNPKG/US/WHG



1 programming buttons



### Product characteristics

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

### Application

Special feature	Gold-plated contacts
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
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]		200
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Measuring/setting range		
Probe length L [mm]		273
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]		184.5
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		

# LI2142



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

LI0273--K-00KNPKG/US/WHG



## Connection

