

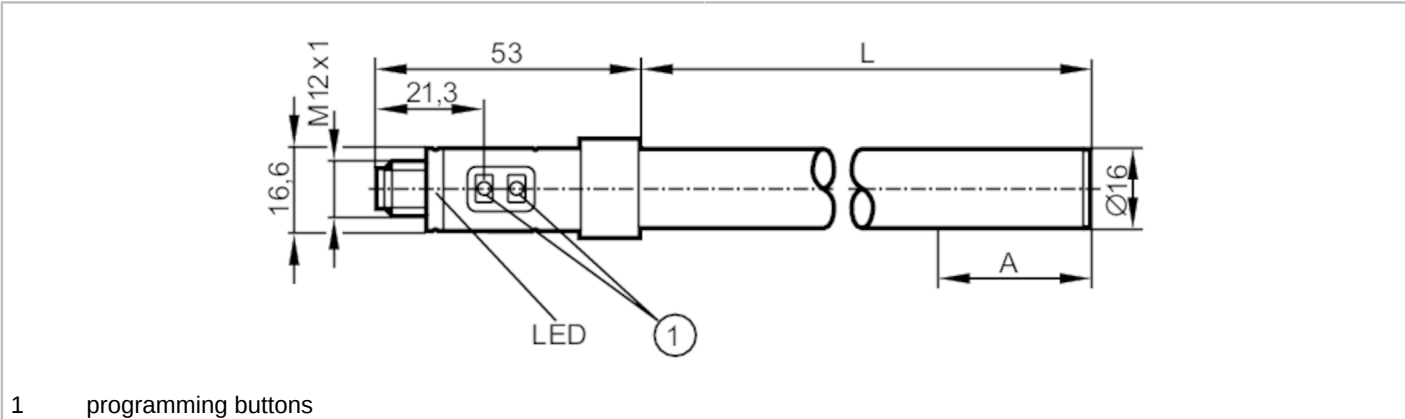


Level sensor for point level detection with overflow prevention

LI0273--K-00KNPKG/US/WHG

phase-out article

Alternative articles: LI2132
When selecting an alternative article and accessories please note that technical data may differ!



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
------------------------------	------------------------------

Outputs

Total number of outputs	1
Output signal	switching signal
Electrical design	PNP



Level sensor for point level detection with overflow prevention

LI0273--K-00KNPKG/US/WHG

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; coding: A; Contacts: gold-plated



LI2142



Level sensor for point level detection with overflow prevention

LI0273--K-00KNPKG/US/WHG

Connection

