

LI2243

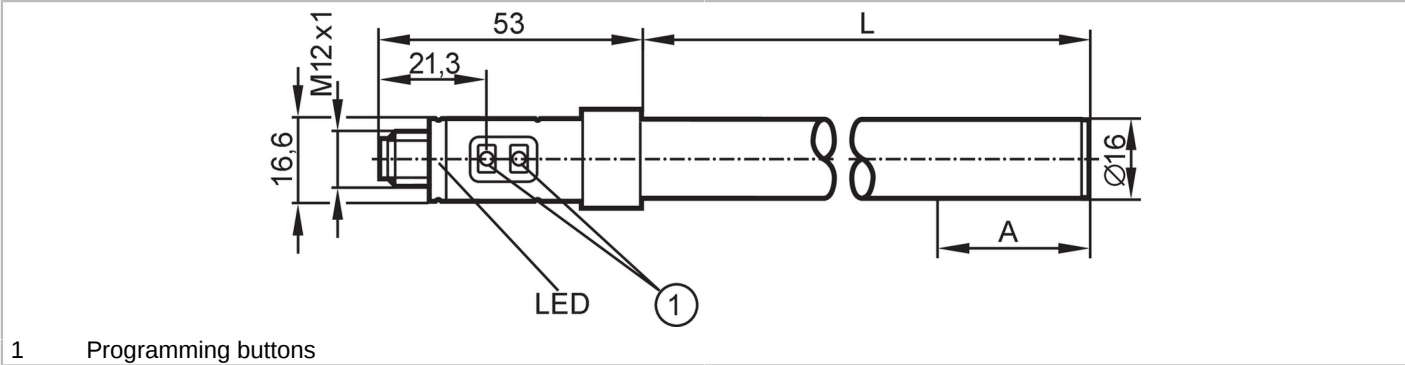


Level sensor / leakage sensor

LI0481--K-00KNPKG/US/WHG

Article to be discontinued  
Discontinuation date: 03/31/2025

Alternative articles: LI2133  
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]          | 481                          |

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                     | -0.5...0.5; (when mounting with mounting accessories: E43001 - E43007, E43019) bar      0.05; (when mounting with mounting accessories: E43001 - E43007, E43019) MPa |

|                         |        |
|-------------------------|--------|
| Oil                     |        |
| Medium temperature [°C] | 0...65 |

|                         |        |
|-------------------------|--------|
| Water                   |        |
| Medium temperature [°C] | 0...35 |

Electrical data

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| Operating voltage [V]       | 10...36 DC; (cULus - Class 2 source required) |
| 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 |

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|                                                      |                    |
|------------------------------------------------------|--------------------|
| 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                     | yes (non-latching) |
| Overload protection                                  | yes                |

### 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]               | 238            |
| Dimensions [mm]          | Ø 16           |
| Material                 | PP-GF30; TPE-U |
| Materials (wetted parts) | PP             |

### Displays / operating elements

|         |                  |             |
|---------|------------------|-------------|
| Display | Power            | LED, green  |
|         | Switching status | LED, yellow |

### Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



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### Connection

