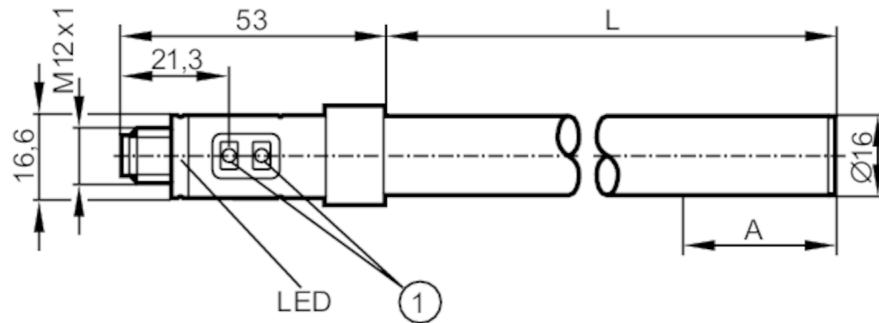


LI2241



Level sensor / leakage sensor (German Federal Water Act)

LI0132--K-00KNPKG/US/WHG



1 programming buttons



Product characteristics

| | |
|------------------------------|------------------------------|
| Number of inputs and outputs | Number of digital outputs: 1 |
| Probe length L [mm] | 132 |

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; (operating voltage "supply class 2" according to cULus) |
| 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 |
|------------------------------|------------------------------|

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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] | | 132 |
| 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] | | 163.5 |
| 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 | | |

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Connection

