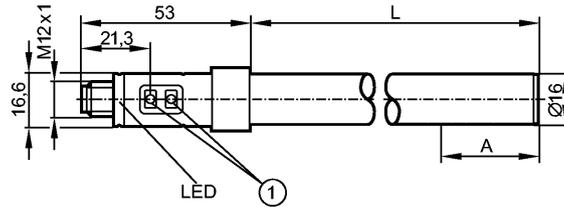


LI2142

LI0273--K-00KNPKG/US/WHG

Level sensors



1: Programming buttons

Made in Germany



Product characteristics

| |
|--------------------------|
| Binary level sensor |
| Connector |
| Gold-plated contacts |
| WHG § 19 approved |
| Probe length: L = 273 mm |
| 1 switching output |

Application

| | |
|---|--|
| Application | Hydrous coolants, oils, water, media similar to water |
| Recommended media | Hydrous coolants, oils, water, media similar to water |
| Cannot be used for: | granulates and bulk materials, acids and alkalis, hygienic and electroplating applications |
| Dielectric constant medium | > 1.8 |
| Medium temperature oil [°C] | 0...65 |
| Medium temperature water and hydrous media [°C] | 0...35 |

Electrical data

| | |
|-----------------------------|----------------|
| Electrical design | DC PNP |
| Operating voltage [V] | 10...36 DC |
| Current consumption [mA] | < 22 (24 V DC) |
| Protection class | III |
| Reverse polarity protection | yes |

Outputs

| | |
|--------------------------|--------------------|
| Output | 1 switching output |
| Output function | Normally closed |
| Current rating [mA] | 200 |
| Voltage drop [V] | < 2.5 |
| Short-circuit protection | pulsed |
| Overload protection | yes |

Measuring / setting range

| | |
|---------------------|-----|
| Probe length L [mm] | 273 |
| Active range A [mm] | 31 |

Environment

| | |
|-------------------------------|--|
| Ambient temperature [°C] | 0...65 |
| Maximum vessel pressure [bar] | +/- 0.5 (when mounted with mounting accessories E43001 - E43007) |
| Protection | IP 65 / IP 67 |

Tests / approvals

LI2142

LI0273--K-00KNPKG/US/WHG

Level sensors

| | | |
|----------------------|------------------------------|-------------------------------|
| Approval | WHG § 19 | |
| EMC | EN 61000-6-2 EN 61000-6-4 | : 2005 + corr. 2005 : 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

| | | |
|--------------------------|----------------|--|
| Materials (wetted parts) | PP | |
| Housing materials | PP GF30; TPE-U | |
| Weight [kg] | 0.184 | |

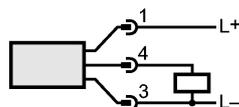
Displays / operating elements

| | | |
|---------|------------------|------------|
| Display | Operation | LED green |
| | Switching status | LED yellow |

Electrical connection

| | |
|------------|-------------------------------------|
| Connection | M12 connector; Gold-plated contacts |
|------------|-------------------------------------|

Wiring



Remarks

| | |
|-----------------------|---------------------------------|
| Remarks | cULus - Class 2 source required |
| Pack quantity [piece] | 1 |