

## Overview

- 0,1 mm
- PNP make function (NO)
- no
- flylead connector M8, L=200 mm
- 50 °C
- IP 67



Picture similar



## Technical data

### General data

|                                |                                    |
|--------------------------------|------------------------------------|
| Special type                   | Liquid level sensor for wastewater |
| Nominal sensing distance<br>Sn | 0.1 mm                             |
| Mounting type                  | Non-flush                          |
| GND electrode                  | No                                 |
| Temperature drift              | ± 20 %                             |
| Sensitivity adjustment         | No                                 |
| Output indicator               | LED yellow                         |
| Measurement type               | Contact with medium                |

### Field of application

|                                           |     |
|-------------------------------------------|-----|
| Detection of non-conduct-<br>ive media    | No  |
| Fill level detection through<br>container | No  |
| Liquids in direct contact                 | Yes |
| Object detection / bulk<br>goods          | No  |

### Electrical data

|                          |               |
|--------------------------|---------------|
| Voltage supply range +Vs | 10 ... 30 VDC |
|--------------------------|---------------|

### Electrical data

|                                       |                        |
|---------------------------------------|------------------------|
| Current consumption max.<br>(no load) | 12 mA                  |
| Output circuit                        | PNP make function (NO) |
| Output current                        | < 200 mA               |
| Voltage drop Vd                       | < 2.5 VDC              |
| Switching frequency                   | 15 Hz                  |
| Short circuit protection              | Yes                    |
| Reverse polarity protection           | Yes                    |

### Mechanical data

|                      |                                |
|----------------------|--------------------------------|
| Type                 | Cylindrical threaded           |
| Housing material     | POM                            |
| Material (screw nut) | POM                            |
| Material (gasket)    | EPDM50                         |
| Dimension            | 12 mm                          |
| Housing length       | 39.5 mm                        |
| Connection types     | Flylead connector M8, L=200 mm |

### Ambient conditions

|                       |              |
|-----------------------|--------------|
| Operating temperature | 0 ... +50 °C |
| Protection class      | IP 67        |

## Remarks

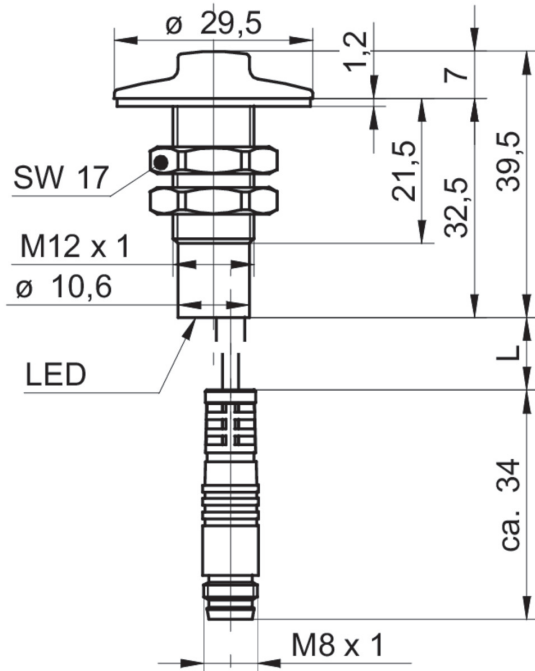
- For installation in grounded metal container
- For use in contaminated media like blackwater
- Switches in contact with highly conductive media
- EMC: EN 60947-5-2:2007+A1:2012

## CFAK 12P1140/KS35L

Capacitive proximity sensors

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### Dimension drawing



### Connection diagram

