

## CFDK 30N3600

Capacitive proximity sensors

Article number: 10119715

### Overview

- 15 mm
- NPN break function (NC)
- potentiometer, 15 turn
- cable, 2 m
- -25 ... 75 °C
- IP 65



Picture similar



### Technical data

#### General data

|                                        |                         |
|----------------------------------------|-------------------------|
| Nominal sensing distance Sn            | 15 mm                   |
| Nominal sensing distance Sn adjustable | 4 ... 15 mm             |
| Mounting type                          | Flush                   |
| GND electrode                          | Yes                     |
| Temperature drift                      | ± 15 % (+10 ... +70 °C) |
| Sensitivity adjustment                 | Potentiometer, 15 turn  |
| Output indicator                       | LED yellow              |
| Measurement type                       | Contactless             |

#### Field of application

|                                        |     |
|----------------------------------------|-----|
| Detection of non-conductive media      | Yes |
| Fill level detection through container | Yes |
| Liquids in direct contact              | No  |
| Object detection / bulk goods          | Yes |

#### Electrical data

|                                    |                         |
|------------------------------------|-------------------------|
| Voltage supply range +Vs           | 10 ... 30 VDC           |
| Current consumption max. (no load) | 20 mA                   |
| Output circuit                     | NPN break function (NC) |
| Output current                     | < 200 mA                |
| Voltage drop Vd                    | < 1.5 VDC               |
| Switching frequency                | 50 Hz                   |
| Short circuit protection           | Yes                     |
| Reverse polarity protection        | Yes                     |

#### Mechanical data

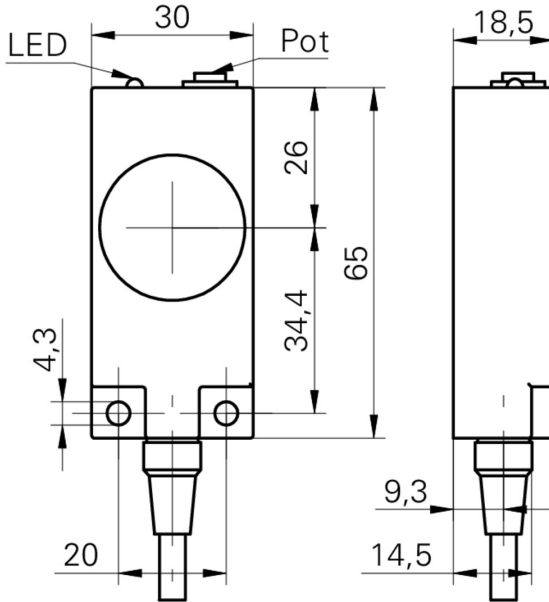
|                  |              |
|------------------|--------------|
| Type             | Rectangular  |
| Housing material | PBT          |
| Dimension        | 30 mm        |
| Housing length   | 65 mm        |
| Connection types | Cable, L=2 m |

#### Ambient conditions

|                       |                |
|-----------------------|----------------|
| Operating temperature | -25 ... +75 °C |
| Protection class      | IP 65          |

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## Dimension drawing



## Connection diagram

