

CFAK 18N3200

Capacitive proximity sensors - in direct media contact

Article number: 11001669

Overview

- 15 mm
- NPN break function (NC)
- potentiometer, 12 turn
- cable, 2 m
- -25 ... 75 °C
- IP 67/65 (sensing face/sensor)



Picture similar



Technical data

General data

| | |
|--|-------------------------|
| Nominal sensing distance Sn | 15 mm |
| Nominal sensing distance Sn adjustable | 2 ... 15 mm |
| Mounting type | Non-flush |
| GND electrode | No |
| Temperature drift | ± 15 % (+10 ... +70 °C) |
| Sensitivity adjustment | Potentiometer, 12 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 | Yes |
| 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 | Cylindrical threaded |
| Housing material | PBT |
| Dimension | 18 mm |
| Housing length | 63.5 mm |
| Connection types | Cable, L=2 m |

Ambient conditions

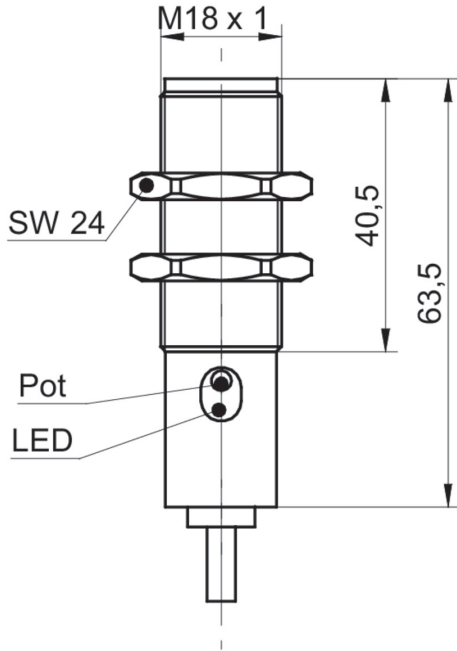
| | |
|-----------------------|--------------------------------|
| Operating temperature | -25 ... +75 °C |
| Protection class | IP 67/65 (sensing face/sensor) |

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Dimension drawing



Connection diagram

