

## CFAM 18N1600/S14

Capacitive proximity sensors

Article number: 10119696

### Overview

- 8 mm
- NPN make function (NO)
- potentiometer, 12 turn
- connector M12
- 25 ... 75 °C
- IP 65



Picture similar



### Technical data

#### General data

|                                        |                         |
|----------------------------------------|-------------------------|
| Nominal sensing distance Sn            | 8 mm                    |
| Nominal sensing distance Sn adjustable | 2 ... 8 mm              |
| Mounting type                          | Flush                   |
| GND electrode                          | Yes                     |
| 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              | 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 make function (NO) |
| 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 | Brass nickel plated  |
| Dimension        | 18 mm                |
| Housing length   | 78.5 mm              |
| Connection types | Connector M12        |

#### Ambient conditions

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

### Remarks

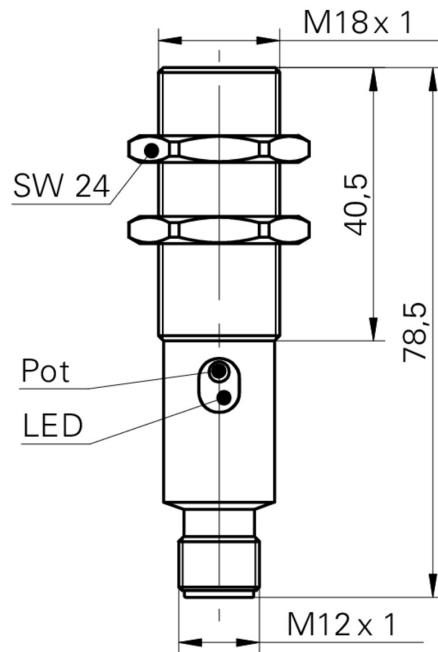
- EMC: EN 60947-5-2:2007+A1:2012

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### Dimension drawing



### Connection diagram

