

OF10.FR-NW1B.B2CV

Fiber optic sensors - OF10

Article number: 11224008

Overview

- Intuitive OLED display
- Programmable input configurations
- Crosstalk rejection between two sensors without a wire
- Six AUTOSSET modes
- Advanced remote programming



Picture similar



Technical data

General data

| | |
|-------------------------------------|-----------------------------|
| Actual range Sb (FSE 200C1002) | 840 mm |
| Sensing distance Tw (FUE 200C1003) | 210 mm |
| Light source | Pulsed red LED |
| Light indicator | OLED display |
| Output indicator | LED red |
| Adjustment | Teach-in: button / external |
| Wave length | 660 nm |
| Suppression of reciprocal influence | Yes |

Electrical data

| | |
|------------------------------------|--|
| Response time / release time | 0,05 ms (Ultra High Speed Mode) 0,125 ms (High Speed Mode) 0,25 ms (Standard Mode) 1 ms (High Resolution Mode) 4 ms (Long Range Mode) 16 ms (Ultra Long Range Mode) |
| Voltage supply range +Vs | 8 ... 30 VDC |
| Current consumption max. (no load) | 50 mA |

Electrical data

| | |
|-----------------------------|---------------------------------|
| Current consumption typ. | 30 mA |
| Voltage drop Vd | < 2 VDC |
| Output function | Light / dark operate switchable |
| On / off delay | 0,1 ... 9999 ms |
| Min. output pulse length | 0,1 ... 9999 ms |
| Output circuit | NPN |
| Output current | < 150 mA |
| Short circuit protection | Yes |
| Reverse polarity protection | Yes |

Mechanical data

| | |
|------------------|---------------|
| Width / diameter | 10 mm |
| Height / length | 27,8 mm |
| Depth | 82,3 mm |
| Type | Rectangular |
| Housing material | Polycarbonate |
| Connection types | Cable, 2 m |

Ambient conditions

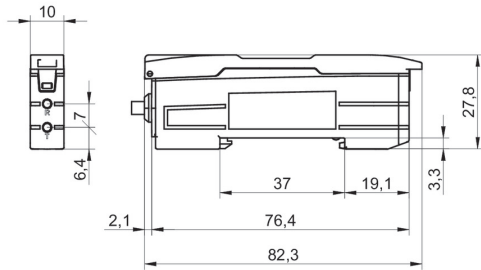
| | |
|-----------------------|---------------|
| Operating temperature | +5 ... +55 °C |
| Protection class | IP 50 |

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Dimension drawing



Connection diagram

