

Overview

- Intuitive OLED display
- Programmable input configurations
- Crosstalk suppression between two sensors without cables
- Six AUTOSSET modes
- IO-Link interface independent of the switching output (dual channel)
- Extended parameterization options and additional diagnostic data



Picture similar

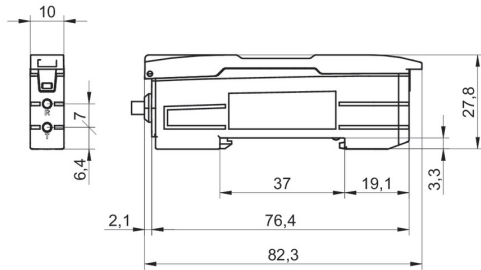


Technical data

General data		Electrical data	
Version	IO-Link dual channel	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)
Actual range Sb (FSE 200C1002)	840 mm	Voltage supply range +Vs	8 ... 30 VDC
Sensing distance Tw (FUE 200C1003)	210 mm	Current consumption max. (no load)	50 mA
Light source	Pulsed red LED	Current consumption typ.	30 mA
Light indicator	OLED display	Voltage drop Vd	<2 VDC
Output indicator	LED red	Output function	Light / dark operate switchable
Adjustment	Teach-in and IO-Link	On / off delay	0.1 ... 9999 ms
Wave length	660 nm	Min. output pulse length	0.1 ... 9999 ms
Suppression of reciprocal influence	Yes	Output circuit	IO-Link / push-pull Push-pull
Communication interface		Output current	150 mA
Interface	IO-Link V1.1	Short circuit protection	Yes
Baud rate	230,4 kBaud (COM 3)	Reverse polarity protection	Yes
Cycle time	≥ 1 ms	Mechanical data	
Process data length	32 Bit	Width / diameter	10 mm
Process data structure	Bit 0 = SSC1 Bit 2 = quality Bit 8-15 = scale factor Bit 16-31 = 16 Bit measurement	Height / length	27.8 mm
IO-Link port type	Class A	Depth	82.3 mm
Adjustable parameters	Counter Deactivate the sensor element Operation mode Output circuit Output logic Switching point Teach-in mode Time filters	Type	Rectangular
Additional data	Device status Diagnostic data	Housing material	Polycarbonate
		Connection types	Cable 4 pin, 2 m
		Ambient conditions	
		Operating temperature	5 ... +55 °C
		Protection class	IP 50

The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

Dimension drawing



Connection diagram

