

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

Version	IO-Link dual channel
Light source	Pulsed red LED
Light indicator	OLED display
Output indicator	LED red
Adjustment	Teach-in and IO-Link
Wave length	660 nm
Suppression of reciprocal influence	Yes

Communication interface

Interface	IO-Link V1.1
Cycle time	≥ 1 ms
Process data length	32 Bit
Process data structure	Bit 0 = SSC1 Bit 2 = quality Bit 8-15 = scale factor Bit 16-31 = 16 Bit measurement
IO-Link port type	Class A
Adjustable parameters	Counter Deactivate the sensor element Operation mode Output circuit Output logic Switching point Teach-in mode Time filters
Additional data	Device status Diagnostic data

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
Current consumption typ.	30 mA
Voltage drop Vd	<2 VDC
Output function	Light / dark operate switchable
On / off delay	0.1 ... 9999 ms
Output circuit	IO-Link / push-pull
Output current	150 mA
Short circuit protection	Yes
Reverse polarity protection	Yes

Mechanical data

Width / diameter	10 mm
Height / length	27.8 mm
Depth	93.1 mm
Design	Rectangular
Housing material	Polycarbonate
Connection types	Connector M8 4 pin

Ambient conditions

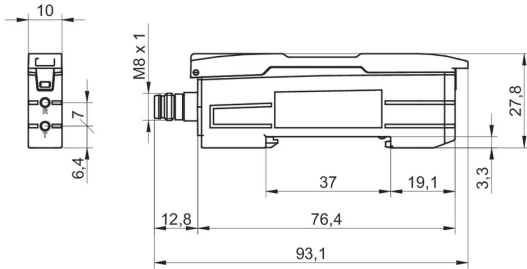
Operating temperature	5 ... +55 °C
Protection class	IP 50

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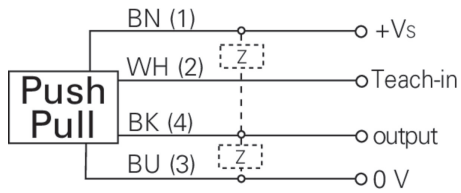
Fiber optic sensors - OF10

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Dimension drawing



Connection diagram



Accessories

Mounting accessories

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