

OF10.FR-GW2J.B2NV/A014

Fiber optic sensors - OF10

Article number: 11252204

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
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 and IO-Link
Wave length	660 nm
Suppression of reciprocal influence	Yes

Communication interface

Interface	IO-Link V1.1
Baud rate	230,4 kBaud (COM 3)
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
Min. output pulse length	0.1 ... 9999 ms
Output circuit	IO-Link / push-pull 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	82.3 mm
Type	Rectangular
Housing material	Polycarbonate
Connection types	Flylead connector M8 4 pin, L=200 mm

Ambient conditions

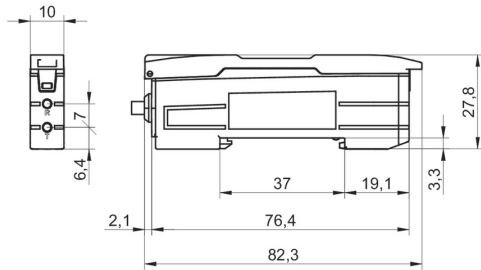
Operating temperature	5 ... +55 °C
Protection class	IP 50

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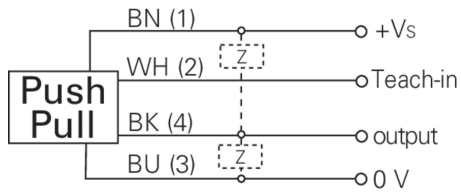
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Dimension drawing



Connection diagram



Pin assignment

