

Overview

- 50 ... 400 mm
- pulsed point source LED
- analog
- IO-Link
- connector M12 4 pin
- 50 °C
- IP 67



Picture similar



Technical data

General data

Measuring distance Sd	50 ... 400 mm
Beam diameter	8 mm
Adjustment	IO-Link
Teach-in range min.	> 20 mm
Power on indication	LED green
Soiled lens indicator	LED red
Resolution	100 ... 1000 µm
Linearity error	± 1.5 ... 4 mm
Beam type	Point
Temperature drift	< 0,1 % Sde/K

Light Source

Light source	Pulsed point source LED
Wave length	660 nm

Electrical data

Response time / release time	< 3 ms
Voltage supply range +Vs	12 ... 26 VDC
Current consumption max. (no load)	80 mA
Output circuit	Analog

Electrical data

Output signal	4 ... 20 mA
Load resistance (analog I)	< (+Vs - 10 V) / 0,02 A
Output current	< 100 mA
Alarm output	Push-pull
Short circuit protection	Yes
Reverse polarity protection	Yes, Vs to GND

Communication interface

Interface	IO-Link V1.1
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Mechanical data

Width / diameter	14.8 mm
Height / length	43 mm
Depth	31 mm
Type	Rectangular
Housing material	Plastic (ASA, MABS)
Front (optics)	PMMA
Connection types	Connector M12 4 pin

Ambient conditions

Protection class	IP 67
Operating temperature	0 ... +50 °C

Remarks

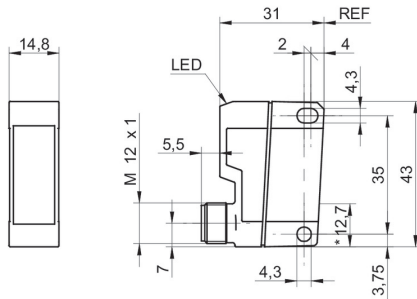
- IO-Link: Measuring range limit, average determination, service status, alarm output, switching window

FADK 14I4470/S14/IO

Distance sensors

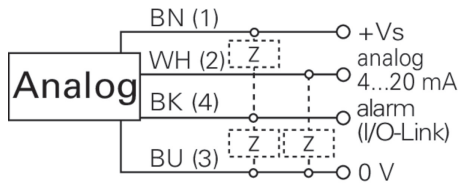
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Dimension drawing

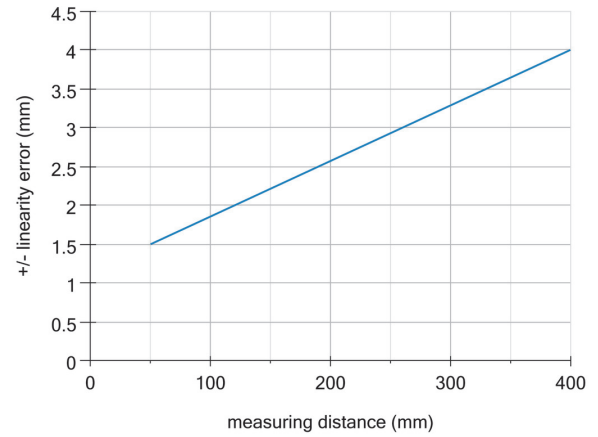


▪ * emitter axis

Connection diagram



Linearity error



Resolution

