Baumer
Passion for Sensors

Through beam sensors

O200.TL-GZZY.72CV/FIN2_H006

Through beam sensors - miniature

Article number: 11230776

Overview

- Most secure object detection due to the barrier principle
- Parallel laser beam for uniform detection over the measuring range
- Deactivation of the transmitter diode via test input or IO-Link
- Quick mounting by means of M3 threaded bushes made of stainless steel

Picture similar

Technical data

General data	
Type	Through beam sensor
Emitter / receiver	Emitter
Light source	Pulsed red laser diode
Actual range Sb	5 m
Nominal range Sn	6 m
Power on indication	LED green
Laser class	1
Distance to focus	Parallel beam
Wave length	680 nm
Alignment optical axis	< 1,5°
Electrical data	
Voltage supply range +Vs	10 … 30 VDC
Current consumption max. (no load)	20 mA (@ 10 VDC)
Current consumption typ.	10 mA (@ 24 VDC)
Output function	By IO-Link only
Output circuit	Push-pull
Short circuit protection	Yes
Reverse polarity protection	Yes

Communication interface	
Baud rate	230,4 kBaud (COM 3)
IO-Link port type	Class A
Process data length	8 Bit
Process data structure	Bit 3 = alarm
Interface	IO-Link V1.1
Additional data	Device temperature
Cycle time	≥ 0,6 ms
Mechanical data	
Width / diameter	8 mm
Height / length	25,1 mm
Depth	15,8 mm
Type	Rectangular
Mechanical mounting	Threaded sleeves M3 (stainless steel)
Housing material	Plastic (ASA, PMMA)
Front (optics)	PMMA
Connection types	Cable 4 pin, 2 m
Cable characteristics	PVC / PVC 4 x 0,08 mm²
Ambient conditions	
Operating temperature	-20 … +50 °C
Protection class	IP 67

2021-05-06 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

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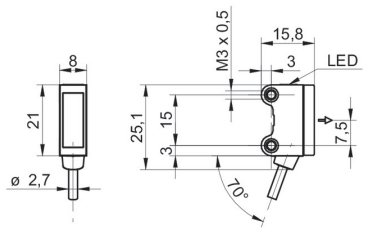
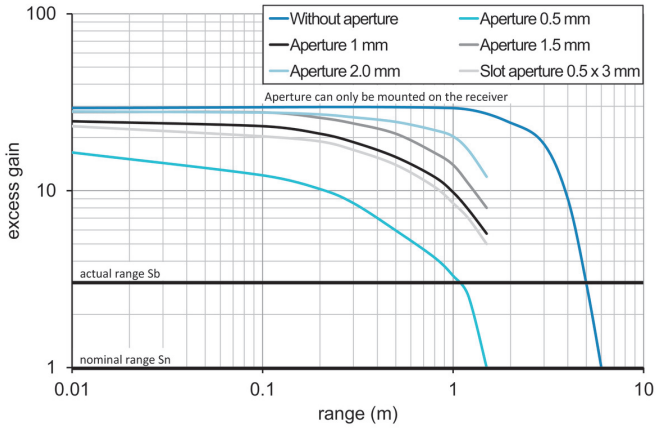
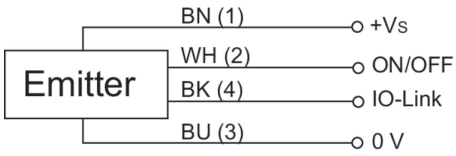
Dimension drawing



Excess gain curve



Connection diagram

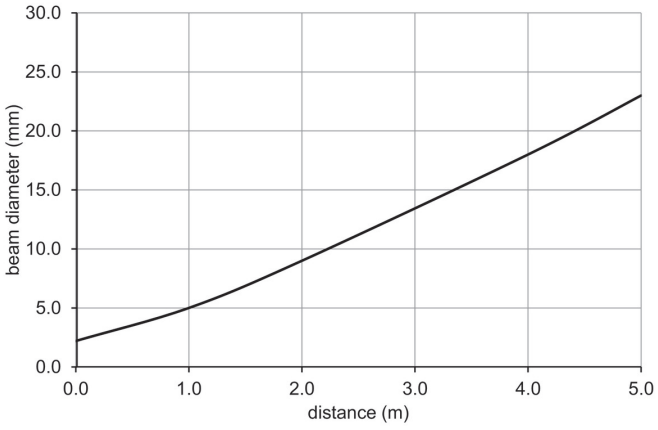


Laser warning

CLASS 1 LASER PRODUCT

IEC 60825-1/2014
Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019

Beam characteristic (typically)



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