# O200.ZR-GW1J.72CV/E026

Article number: 11231245

#### Overview

- Reliable intensity-based object detection
- Manipulation-proof, simple teach-in via qTeach or line teach
- IO-Link for extended parameterization options and additional diagnostic data
- Robust housing with stainless steel spacer sleeves



Picture similar







Technical data		
General data		C
Туре	Intensity difference	In
Sensing distance Tw	20 200 mm	IO
Smallest object recognizable typ.	2 mm at 100 mm	Ba Cv
Power on indication	LED green	Pr
Alignment / soiled lens indicator	Flashing output indicator	Pr
Output indicator	LED yellow	
Sensing distance adjust- ment	Teach-in and IO-Link	
Suppression of reciprocal influence	Yes	Ad
Beam type	Point	
Alignment optical axis	< 1,5°	
Light Source		
Light source	Pulsed red LED	
Wave length	644 nm	
Electrical data		Ad
Response time / release time	< 0.25 ms	
Jitter	< 0.06 ms	M
Voltage supply range +Vs	10 30 VDC	W
Current consumption max. (no load)	40 mA (@ 10 VDC)	He
Current consumption typ.	16 mA (@ 24 VDC)	De
Voltage drop Vd	<2 VDC	M
Output function	Light / dark operate	Ho
Output circuit	Push-pull	Fr
Output current	50 mA	Co
Short circuit protection	Yes	C
Reverse polarity protection	Yes	

Communication interface	
Interface	IO-Link V1.1
IO-Link port type	Class A
Baud rate	230,4 kBaud (COM 3)
Cycle time	≥ 0.6 ms
Process data length	32 Bit
Process data structure	Bit 0 = SSC1 (presence) Bit 2 = quality Bit 3 = alarm Bit 5 = SSC4 (counter) Bit 16-31 = 16 Bit measurement
Adjustable parameters	Switching point Time filters LED status indicators Output logic Counter Deactivate the sensor element Find Me function Teach-in mode
Additional data	Signal strength Excess gain Operating cycles Device temperature
Mechanical data	
Width / diameter	8 mm
Height / length	25.1 mm
Depth	15.8 mm
Design	Rectangular
Mechanical mounting	Sleeve smooth (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 mm <sup>2</sup>

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#### **Technical data**

#### **Ambient conditions**

Protection class

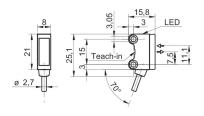
IP 67

#### **Ambient conditions**

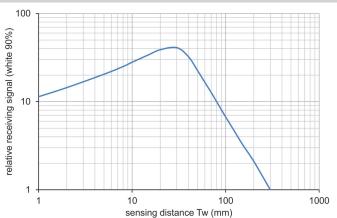
Operating temperature

-25 ... +50 °C

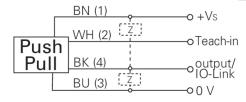
### **Dimension drawing**



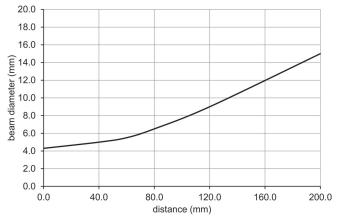
## Relative receiving signal



### Connection diagram



## Beam characteristic (typically)



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