

**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
- Quick mounting by means of M3 threaded bushes made of stainless steel



Picture similar



**Technical data**

General data		Communication interface	
Type	Intensity difference	Interface	IO-Link V1.1
Sensing distance Tw	20 ... 200 mm	IO-Link port type	Class A
Smallest object recognizable typ.	2 mm at 100 mm	Baud rate	230,4 kBaud (COM 3)
Power on indication	LED green	Cycle time	≥ 0.6 ms
Alignment / soiled lens indicator	Flashing output indicator	Process data length	32 Bit
Output indicator	LED yellow	Process data structure	Bit 0 = SSC1 (presence) Bit 2 = quality Bit 3 = alarm Bit 5 = SSC4 (counter) Bit 16-31 = 16 Bit measurement
Sensing distance adjustment	Teach-in and IO-Link	Adjustable parameters	Switching point Time filters LED status indicators Output logic Counter Deactivate the sensor element Find Me function Teach-in mode
Suppression of reciprocal influence	Yes	Additional data	Signal strength Excess gain Operating cycles Device temperature
Beam type	Point		
Alignment optical axis	< 1,5°		
Light Source		Mechanical data	
Light source	Pulsed red LED	Width / diameter	8 mm
Wave length	644 nm	Height / length	25.1 mm
		Depth	15.8 mm
		Design	Rectangular
		Mechanical mounting	Threaded sleeves M3 (stainless steel)
		Housing material	Plastic (ASA, PMMA)
		Front (optics)	PMMA
		Connection types	Flylead connector M8 4 pin, L=200 mm
		Cable characteristics	PVC / PVC 4 x 0.08 mm <sup>2</sup>
Electrical data			
Response time / release time	< 0.25 ms		
Jitter	< 0.06 ms		
Voltage supply range +Vs	10 ... 30 VDC		
Current consumption max. (no load)	40 mA (@ 10 VDC)		
Current consumption typ.	16 mA (@ 24 VDC)		
Voltage drop Vd	<2 VDC		
Output function	Light / dark operate		
Output circuit	Push-pull		
Output current	50 mA		
Short circuit protection	Yes		
Reverse polarity protection	Yes		

The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change. 2024-02-16

**Technical data**

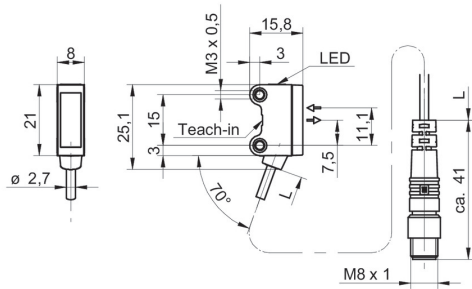
**Ambient conditions**

Protection class IP 67

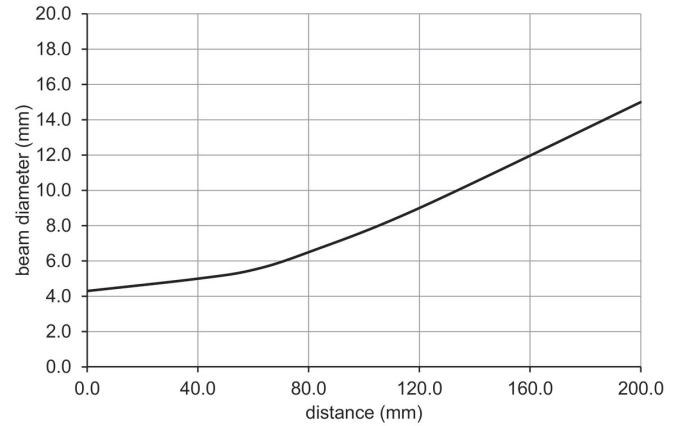
**Ambient conditions**

Operating temperature -25 ... +50 °C

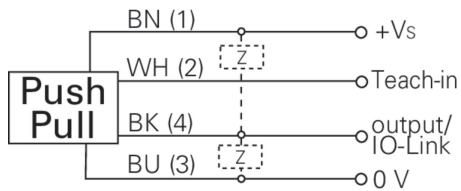
**Dimension drawing**



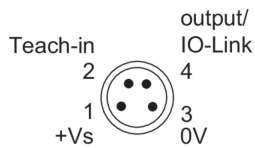
**Beam characteristic (typically)**



**Connection diagram**



**Pin assignment**



**Relative receiving signal**

