

Overview

- Outstanding reliability and unrivalled immunity against ambient light
- 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		Electrical data	
Type	Background suppression	Output circuit	Push-pull
Light source	Pulsed red LED	Output current	< 50 mA
Sensing distance Tw	15 ... 72 mm	Short circuit protection	Yes
Sensing range Tb	7 ... 80 mm	Reverse polarity protection	Yes
Smallest object recognizable typ.	0,25 mm at 40 mm	Communication interface	
Alignment / soiled lens indicator	Flashing output indicator	Baud rate	230,4 kBaud (COM 3)
Power on indication	LED green	Adjustable parameters	Switching point Switching hysteresis Time filters LED status indicators Output logic Counter Operation mode Deactivate the sensor element Find Me function Teach-in mode
Output indicator	LED yellow	IO-Link port type	Class A
Sensing distance adjustment	Teach-in and IO-Link	Process data length	32 Bit
Wave length	644 nm	Process data structure	Bit 0 = SSC1 (presence) Bit 2 = quality Bit 3 = alarm Bit 5 = SSC4 (counter) Bit 16-31 = 16 Bit measurement
Suppression of reciprocal influence	Yes	Interface	IO-Link V1.1
Electrical data		Additional data	Excess gain Operating cycles Device temperature
Response time / release time	< 0,25 ms (High Speed Mode)		
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		

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

O200.GR-GW1J.72NV/E026_H006

Diffuse sensors with background suppression - miniature

Article number: 11212635

Technical data

Communication interface

Cycle time $\geq 0,6$ ms

Mechanical data

Width / diameter	8 mm
Height / length	25,1 mm
Depth	14,1 mm
Type	Rectangular
Mechanical mounting	Threaded sleeves M3 (stainless steel)

Mechanical data

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 ²

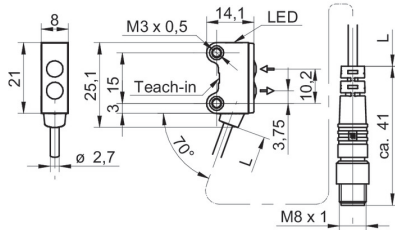
Ambient conditions

Protection class	IP 67
Operating temperature	-25 ... +50 °C

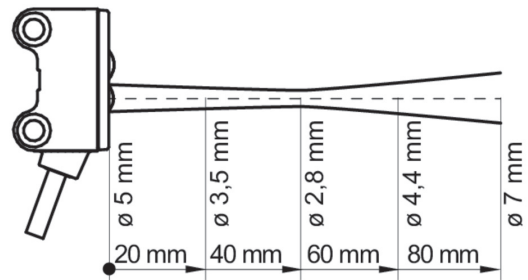
Remarks

- qTeach

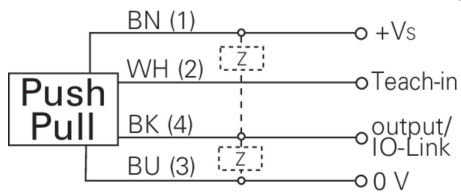
Dimension drawing



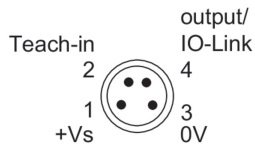
Beam characteristic (typically)



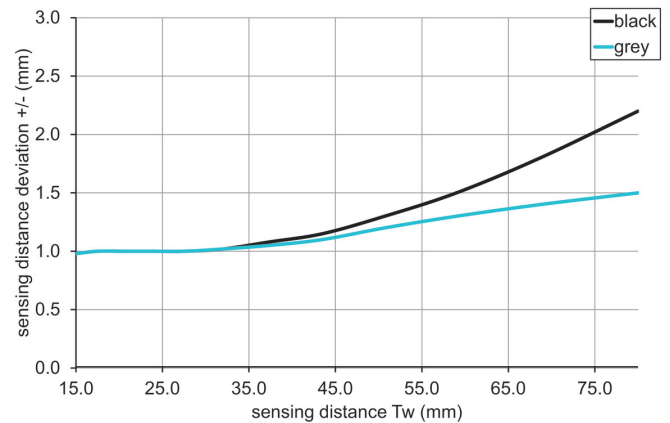
Connection diagram



Pin assignment



Sensing distance diagram



Hysteresis curve

