

## Overview

- receiver
- through beam sensor
- 40 m
- push-pull
- qTeach / remote
- cable 4 pin, 2 m
- -25 ... 60 °C
- IP 67



Picture similar



## Technical data

### General data

|                                   |                          |
|-----------------------------------|--------------------------|
| Type                              | Through beam sensor      |
| Emitter / receiver                | Receiver                 |
| Actual range Sb                   | 40 m                     |
| Nominal range Sn                  | 75 m                     |
| Alignment / soiled lens indicator | Flashing light indicator |
| Light indicator                   | LED yellow               |
| Power on indication               | LED green                |
| Sensitivity adjustment            | qTeach / remote          |
| Alignment optical axis            | < 2°                     |

### Electrical data

|                                    |               |
|------------------------------------|---------------|
| Response time / release time       | < 0.49 ms     |
| Voltage supply range +Vs           | 10 ... 30 VDC |
| Current consumption max. (no load) | 40 mA         |
| Current consumption typ.           | 30 mA         |

### Electrical data

|                             |                      |
|-----------------------------|----------------------|
| Voltage drop Vd             | < 3 VDC              |
| Output function             | Light / dark operate |
| Output circuit              | Push-pull            |
| Output current              | < 100 mA             |
| Short circuit protection    | Yes                  |
| Reverse polarity protection | Yes                  |

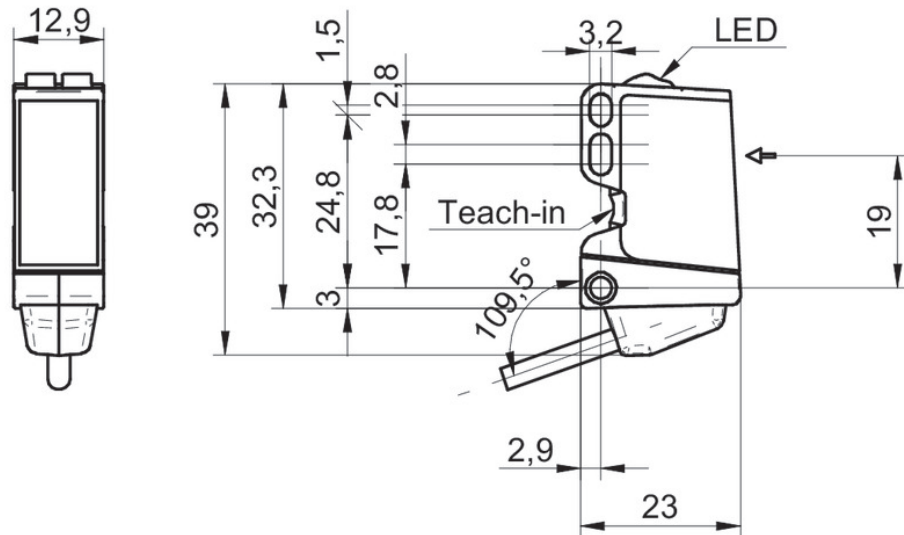
### Mechanical data

|                  |                     |
|------------------|---------------------|
| Width / diameter | 12.9 mm             |
| Height / length  | 32.3 mm             |
| Depth            | 23 mm               |
| Type             | Rectangular         |
| Housing material | Plastic (ASA, PMMA) |
| Front (optics)   | PMMA                |
| Connection types | Cable 4 pin, 2 m    |

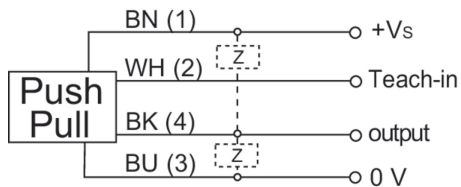
### Ambient conditions

|                       |                |
|-----------------------|----------------|
| Operating temperature | -25 ... +60 °C |
| Protection class      | IP 67          |

## Technical drawings



## 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

## Excess gain curve

