

Overview

- light barrier
- 30 ... 120 mm
- pulsed red laser diode
- push-pull
- Teach-in and IO-Link
- connector M8 4 pin
- 10 ... 60 °C
- IP 67



Picture similar



Technical data

General data

Type	Light barrier
Version	Line beam
Light source	Pulsed red laser diode
Background position Sde	30 ... 120 mm
Scanning range Sa	90% ... 85% Sde
Power on indication	LED green
Light indicator	LED yellow
Sensing distance adjustment	Teach-in and IO-Link
Laser class	1
Distance to focus	400 mm
Wave length	656 nm
Suppression of reciprocal influence	Yes
Beam type	Line
Alignment optical axis	< 2°

Electrical data

Response time / release time	< 1,5 ms
Voltage supply range +Vs	11 ... 30 VDC

Electrical data

Current consumption max. (no load)	30 mA
Current consumption typ.	25 mA
Voltage drop Vd	< 2,5 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	Connector M8 4 pin

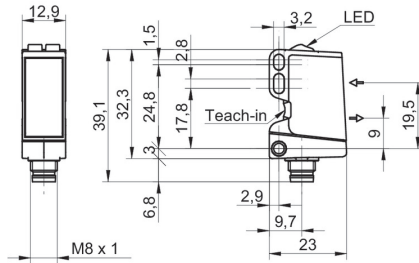
Ambient conditions

Operating temperature	-10 ... +60 °C
Protection class	IP 67

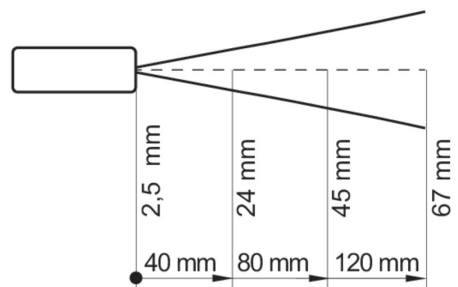
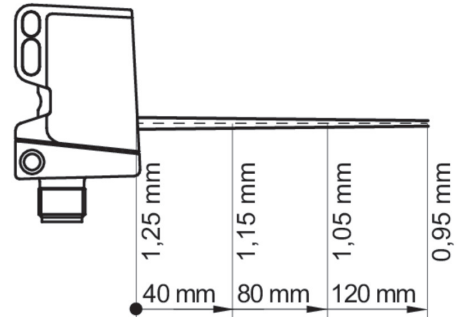
Remarks

- qTeach
- IO-Link: V1.1, filter functions, qTeach lock adjustable

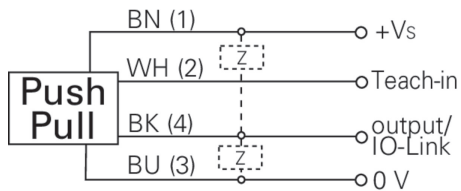
Dimension drawing



Beam characteristic (typically)



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

Pin assignment

