

Overview

- background suppression
- 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	Background suppression
Version	Line beam
Light source	Pulsed red laser diode
Sensing distance Tw	30 ... 120 mm
Sensing range Tb	15 ... 120 mm
Power on indication	LED green
Light indicator	LED yellow
Sensing distance adjustment	Teach-in and IO-Link
Laser class	1
Distance to focus	80 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

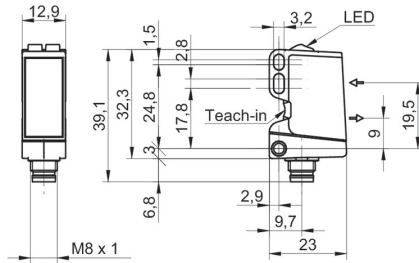
Ambient conditions

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

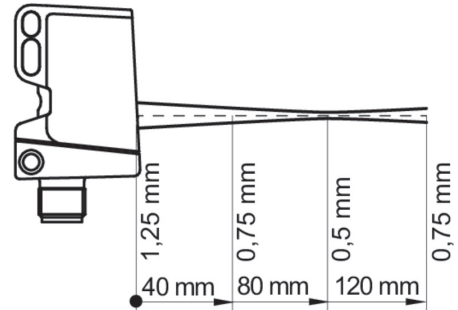
Remarks

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

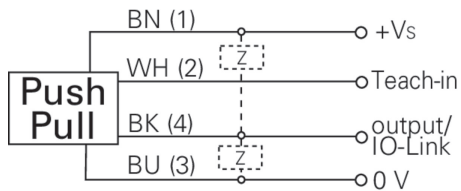
Dimension drawing



Beam characteristic (typically)



Connection diagram

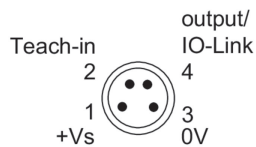


Laser warning

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



Sensing distance diagram

