

Overview

- through beam sensor
- 80 mm
- pulsed red laser diode
- Push-Pull
- potentiometer / IO-Link
- connector M8, 3 pin
- -25 ... 60 °C
- IP 67



Picture similar



Technical data

General data

Type	Through beam sensor
Object size	> 0,2 mm
Repeat accuracy	< 0,01 mm
Hysteresis	< 0,05 mm
Sensitivity adjustment	Potentiometer, 270° IO-Link
Light source	Pulsed red laser diode
Wave length	670 nm
Laser class	1
Light indicator	LED yellow

Communication interface

IO-Link	Yes
Interface	IO-Link V1.1

Electrical data

Response time / release time	< 0.1 ms
Switching frequency	< 5000 Hz, default < 2000 Hz < 1000 Hz < 10000 Hz
Voltage supply range +Vs	10 ... 30 VDC

Electrical data

Current consumption max. (no load)	30 mA
Output function	Light / dark operate switchable
Output circuit	Push-pull / IO-Link
Voltage drop Vd	< 2,8 VDC
Output current	< 200 mA
Short circuit protection	Yes
Reverse polarity protection	Yes

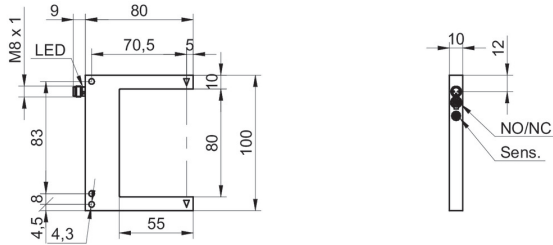
Mechanical data

Width / diameter	100 mm
Fork width Sb	80 mm
Height / length	80 mm
Penetration depth	55 mm
Depth	10 mm
Type	U profile
Housing material	Die-cast zinc
Connection types	Connector M8, 3 pin

Ambient conditions

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

Dimension drawing



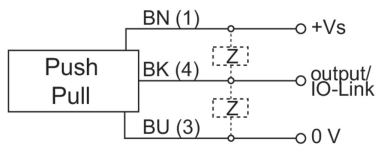
Laser warning

**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

Connection diagram



Pin assignment

