

Overview

- Reliable detection of a wide variety of labels and carrier materials including metallic- or booklet-labels
- Short set-up times without adjustment effort
- Precise label detection even at high conveyor speeds
- Fast commissioning and adjustment thanks to Auto-Teach



Technical data

General data

Type	Light barrier
Repeat accuracy	< 0.15 mm
Response time / release time	0.16 ms
Belt speed	8 m/sec
Min. label gap	> 2 mm
Hysteresis	0.15 mm
Sensitivity adjustment	Teach-in button
Light source	Pulsed infrared diode
Wave length	880 nm
Light indicator	LED yellow

Electrical data

Switching frequency	< 3000 Hz
Voltage supply range +Vs	10 ... 35 VDC
Current consumption max. (no load)	35 mA
Output function	NO / NC adjustable

Electrical data

Output circuit	Push-pull
Voltage drop Vd	< 2 VDC
Output current	< 200 mA
Short circuit protection	Yes
Reverse polarity protection	Yes

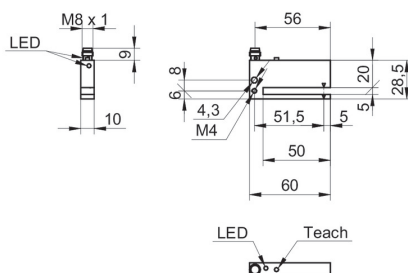
Mechanical data

Width / diameter	60 mm
Fork width Sb	5 mm
Height / length	28.5 mm
Penetration depth	50 mm
Depth	10 mm
Type	U profile
Housing material	Die-cast zinc
Connection types	Connector M8 4 pin

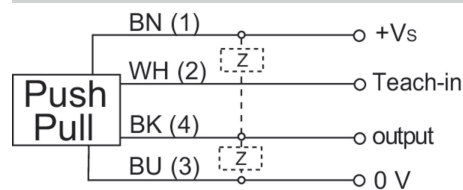
Ambient conditions

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

Dimension drawing



Connection diagram



Pin assignment

