

**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       |

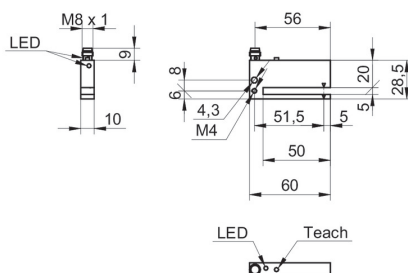
**Mechanical data**

|                   |                    |
|-------------------|--------------------|
| 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 |

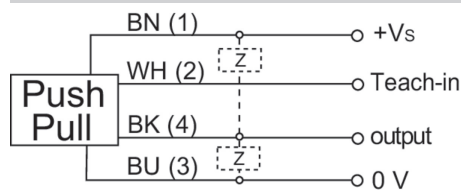
**Ambient conditions**

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

**Dimension drawing**



**Connection diagram**



**Pin assignment**

