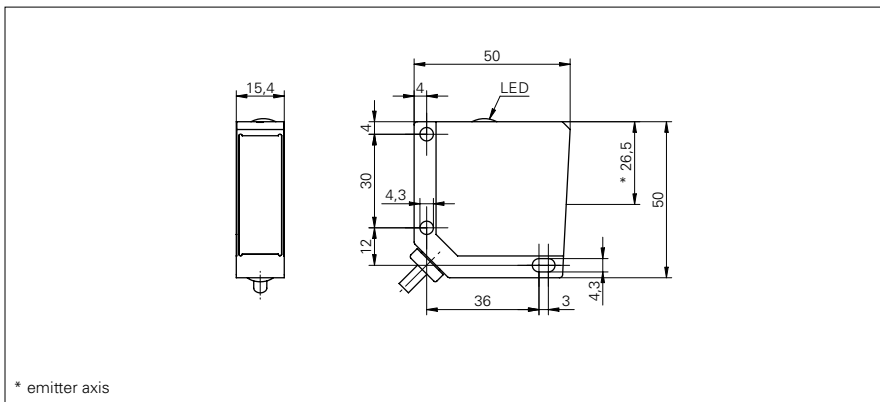


## Through beam sensors

## FSDM 16D9601

### dimension drawing



### general data

|                     |                     |
|---------------------|---------------------|
| type                | through beam sensor |
| emitter / receiver  | emitter             |
| light source        | pulsed red LED      |
| actual range $S_b$  | 8 m                 |
| nominal range $S_n$ | 10 m                |
| wave length         | 660 nm              |

### electrical data

|                                    |                                             |
|------------------------------------|---------------------------------------------|
| voltage supply range +Vs           | 10 ... 30 VDC                               |
| current consumption max. (no load) | 30 mA                                       |
| current consumption typ.           | 18 mA                                       |
| test input                         | disable emitter: +Vs<br>enable emitter: 0 V |
| reverse polarity protection        | yes                                         |

### mechanical data

|                  |                  |
|------------------|------------------|
| width / diameter | 15,4 mm          |
| height / length  | 50 mm            |
| depth            | 50 mm            |
| type             | rectangular      |
| housing material | die-cast zinc    |
| front (optics)   | PMMA             |
| connection types | cable 3 pin, 2 m |

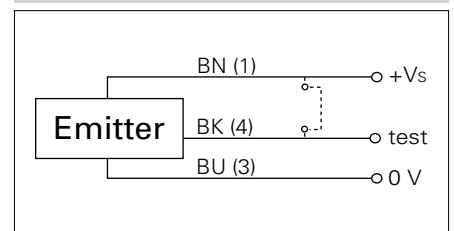
### ambient conditions

|                       |                |
|-----------------------|----------------|
| operating temperature | -25 ... +65 °C |
| protection class      | IP 67          |

### photo



### connection diagram



- nominal range/actual range: compare with value of the operated receiver