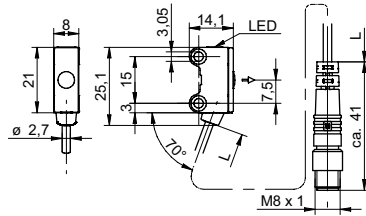


## Through beam sensors

**O200.TR-11210278**

### dimension drawing



### general data

|                        |                     |
|------------------------|---------------------|
| type                   | through beam sensor |
| emitter / receiver     | emitter             |
| light source           | pulsed red LED      |
| actual range $S_b$     | 5 m                 |
| nominal range $S_n$    | 6 m                 |
| power on indication    | LED green           |
| wave length            | 644 nm              |
| alignment optical axis | < 1,5°              |

### electrical data

|                                    |                  |
|------------------------------------|------------------|
| voltage supply range +Vs           | 10 ... 30 VDC    |
| current consumption max. (no load) | 20 mA (@ 30 VDC) |
| current consumption typ.           | 16 mA (@ 24 VDC) |
| reverse polarity protection        | yes              |

### mechanical data

|                       |                                      |
|-----------------------|--------------------------------------|
| width / diameter      | 8 mm                                 |
| height / length       | 25,1 mm                              |
| depth                 | 14,1 mm                              |
| type                  | rectangular                          |
| mechanical mounting   | sleeve smooth (stainless steel)      |
| housing material      | plastic (ASA, PMMA)                  |
| front (optics)        | PMMA                                 |
| connection types      | flylead connector M8 4 pin, L=200 mm |
| cable characteristics | PVC / PVC 4 x 0,08 mm <sup>2</sup>   |

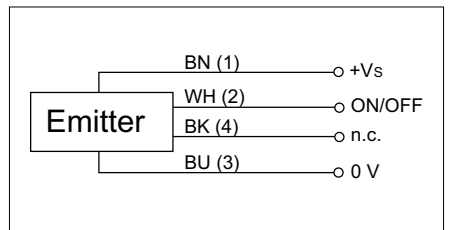
### ambient conditions

|                       |                |
|-----------------------|----------------|
| operating temperature | -20 ... +50 °C |
| protection class      | IP 67          |

### photo



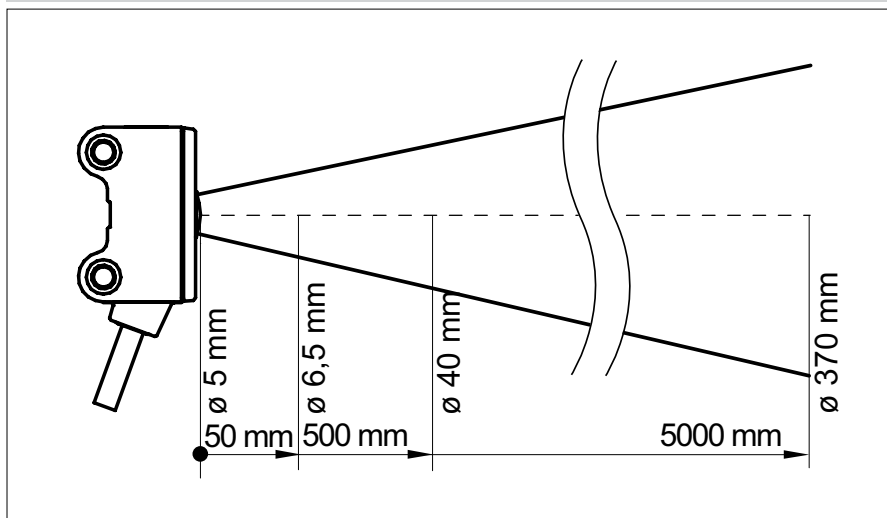
### connection diagram



## Through beam sensors

O200.TR-11210278

beam characteristic (typically)



excess gain curve

