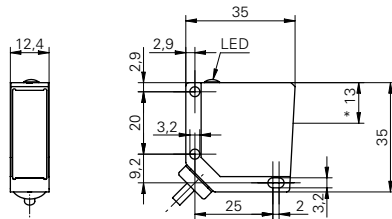


## Through beam sensors

## FEDM 12N5101

## dimension drawing



\* receiver axis

## general data

|                                   |                          |
|-----------------------------------|--------------------------|
| type                              | through beam sensor      |
| emitter / receiver                | receiver                 |
| actual range $S_b$                | 6 m                      |
| nominal range $S_n$               | 7,5 m                    |
| alignment / soiled lens indicator | flashing light indicator |
| light indicator                   | LED yellow               |
| sensitivity adjustment            | no                       |

## electrical data

|                              |                      |
|------------------------------|----------------------|
| response time / release time | < 1 ms               |
| voltage supply range +Vs     | 10 ... 30 VDC        |
| current consumption max.     | 17 mA                |
| current consumption typ.     | 17 mA                |
| voltage drop Vd              | < 1,8 VDC            |
| output function              | light / dark operate |
| output circuit               | NPN                  |
| output current               | < 100 mA             |
| short circuit protection     | yes                  |
| reverse polarity protection  | yes                  |

## mechanical data

|                  |                  |
|------------------|------------------|
| width / diameter | 12,4 mm          |
| height / length  | 35 mm            |
| depth            | 35 mm            |
| type             | rectangular      |
| housing material | die-cast zinc    |
| front (optics)   | PMMA             |
| connection types | cable 4 pin, 2 m |

## ambient conditions

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

## photo



## connection diagram

