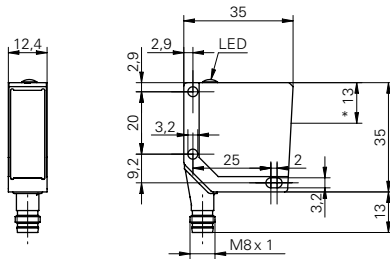


# Through beam sensors

## FEDM 12N5101/S35A

### 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. (no load) | 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 | connector M8 4 pin |

### ambient conditions

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

### photo



### connection diagram

