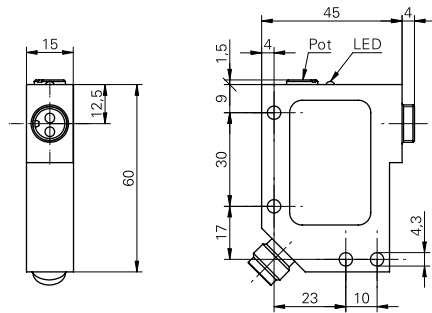


# FVDM 15N5103/S14

## dimension drawing



## general data

|                                     |                        |
|-------------------------------------|------------------------|
| actual range $S_b$                  | 1200 mm                |
| sensing distance $T_w$              | 240 mm                 |
| light source                        | pulsed infrared diode  |
| light indicator                     | LED yellow             |
| alignment / soiled lens indicator   | LED, flashing          |
| adjustment                          | potentiometer, 20 turn |
| wave length                         | 880 nm                 |
| suppression of reciprocal influence | yes                    |

## electrical data

|                                    |                      |
|------------------------------------|----------------------|
| response time / release time       | < 1 ms               |
| voltage supply range $+V_s$        | 10 ... 30 VDC        |
| current consumption max. (no load) | 46 mA                |
| current consumption typ.           | 30 mA                |
| voltage drop $V_d$                 | < 1,8 VDC            |
| output function                    | light / dark operate |
| output circuit                     | NPN                  |
| output current                     | < 200 mA             |
| short circuit protection           | yes                  |
| reverse polarity protection        | yes                  |

## mechanical data

|                  |                     |
|------------------|---------------------|
| width / diameter | 15 mm               |
| height / length  | 60 mm               |
| depth            | 45 mm               |
| type             | rectangular         |
| housing material | die-cast aluminum   |
| connection types | connector M12 4 pin |

## ambient conditions

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

## photo



## connection diagram

