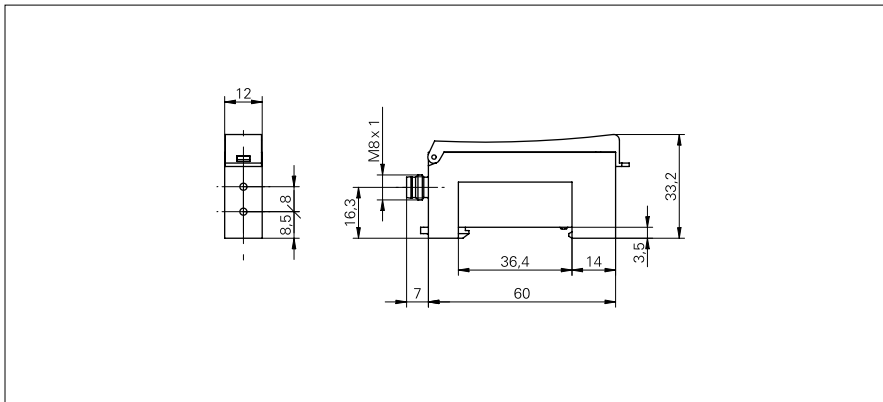


**Fiber optic sensors & cables**

**FVDK 12P6101/S35A**

**dimension drawing**



**general data**

|                                    |                     |
|------------------------------------|---------------------|
| actual range Sb (FSE 200C1002)     | 320 mm              |
| sensing distance Tw (FUE 200C1003) | 90 mm               |
| light source                       | pulsed red LED      |
| light indicator                    | LED green           |
| alignment / soiled lens indicator  | LED green, flashing |
| output indicator                   | LED yellow          |
| adjustment                         | Teach-in            |
| wave length                        | 660 nm              |

**electrical data**

|                                    |                                 |
|------------------------------------|---------------------------------|
| response time / release time       | < 1 ms                          |
| voltage supply range +Vs           | 10 ... 30 VDC                   |
| current consumption max. (no load) | 46 mA                           |
| current consumption typ.           | 36 mA                           |
| voltage drop Vd                    | < 1,8 VDC                       |
| output function                    | light / dark operate switchable |
| output circuit                     | PNP                             |
| output current                     | < 100 mA                        |
| short circuit protection           | yes                             |
| reverse polarity protection        | yes                             |

**mechanical data**

|                  |                    |
|------------------|--------------------|
| width / diameter | 12 mm              |
| height / length  | 33,2 mm            |
| depth            | 60 mm              |
| type             | rectangular        |
| housing material | PBT / PC           |
| connection types | connector M8 4 pin |

**ambient conditions**

|                       |                |
|-----------------------|----------------|
| operating temperature | -25 ... +55 °C |
| protection class      | IP 65          |

**photo**



**connection diagram**

