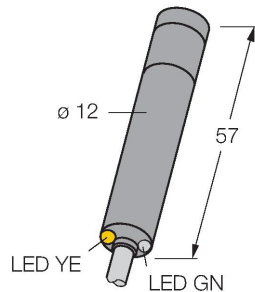


# M126E2LD

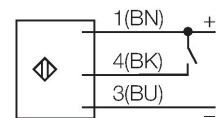
## Photoelectric Sensor – Opposed Mode Sensor (Laser Emitter)



### Features

- Cable, PVC, 2 m, 3-wire
- Protection class IP67
- Aluminum housing
- LED all-round visible
- Laser class 2
- Operating voltage: 10...30 VDC

### Wiring diagram



### Technical data

|                             |                      |
|-----------------------------|----------------------|
| Type                        | M126E2LD             |
| ID                          | 3051279              |
| <b>Optical data</b>         |                      |
| Function                    | Opposed mode sensor  |
| Operating mode              | Laser Emitter        |
| Light type                  | Red                  |
| Wavelength                  | 650 nm               |
| Laser class                 | ▲ 2                  |
| Beam diameter               | 3 mm                 |
| Range                       | 30000 mm             |
| <b>Electrical data</b>      |                      |
| Operating voltage           | 10...30 VDC          |
| No-load current             | ≤ 30 mA              |
| Reverse polarity protection | yes                  |
| Readiness delay             | ≤ 30 ms              |
| <b>Mechanical data</b>      |                      |
| Design                      | Tube, M12            |
| Dimensions                  | Ø 12 x 57 mm         |
| Housing material            | Metal, AL, Black     |
| Lens                        | plastic, Acrylic     |
| Electrical connection       | Cable, 2 m, PVC      |
| Number of cores             | 3                    |
| Core cross-section          | 0.34 mm <sup>2</sup> |
| Ambient temperature         | -20...+60 °C         |
| Protection class            | IP67                 |
| Special features            | Laser                |
| Power-on indication         | LED, Green           |
| Excess gain indication      | LED                  |
| Display release             | LED, yellow          |

### Functional principle

Opposed mode sensors consist of an emitter and receiver. They are installed opposite each other so that the light from the emitter is aimed directly at the receiver. When an object interrupts or weakens the light beam, the sensor switches. Opposed mode sensors are the most reliable photoelectric sensors for detection of opaque targets. An excellent contrast between light and dark conditions and an extremely high excess gain are typical of this sensing mode, thus allowing operation over larger distances and under difficult conditions.

## Technical data

### Tests/approvals