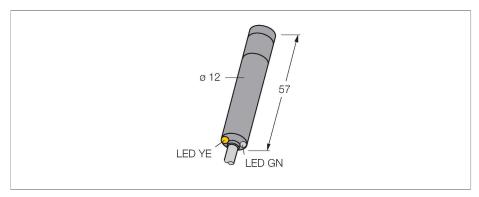
M126E2LD Photoelectric Sensor – Opposed Mode Sensor (Laser Emitter)



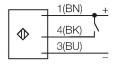
Technical data

ID 3051279 Optical data Function Opposed mode sensor Operating mode Laser Emitter Light type Red Wavelength 650 nm Laser class ▲ 2 Beam diameter 3 mm Range 30000 mm Electrical data Operating voltage 1030 VDC No-load current ≤ 30 mA Reverse polarity protection yes Readiness delay ≤ 30 ms Mechanical data 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 mm² Ambient temperature -20+60 °C Protection class IP67 Special features Laser Power-on indication LED Display release LED, yellow	Туре	M126E2LD
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Mechanical dataDesignTube, M12DimensionsØ 12 x 57 mmHousing materialMetal, AL, BlackLensplastic, AcrylicElectrical connectionCable, 2 m, PVCNumber of cores3Core cross-section0.34 mm²Ambient temperature-20+60 °CProtection classIP67Special featuresLaserPower-on indicationLED, GreenExcess gain indicationLED	Reverse polarity protection	yes
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Housing material Lens plastic, Acrylic Electrical connection Cable, 2 m, PVC Number of cores 3 Core cross-section Ambient temperature Protection class IP67 Special features Power-on indication Excess gain indication Metal, AL, Black plastic, Acrylic Cable, 2 m, PVC 3 0.34 mm² -20+60 °C IP67 Laser Power-on indication LED, Green Excess gain indication LED	Design	Tube, M12
Lens plastic, Acrylic Electrical connection Cable, 2 m, PVC Number of cores 3 Core cross-section 0.34 mm² Ambient temperature -20+60 °C Protection class IP67 Special features Laser Power-on indication LED, Green Excess gain indication LED	Dimensions	Ø 12 x 57 mm
Electrical connection Cable, 2 m, PVC Number of cores 3 Core cross-section 0.34 mm² Ambient temperature -20+60 °C Protection class IP67 Special features Laser Power-on indication LED, Green Excess gain indication LED	Housing material	Metal, AL, Black
Number of cores Core cross-section 0.34 mm² Ambient temperature -20+60 °C Protection class IP67 Special features Laser Power-on indication LED, Green Excess gain indication LED	Lens	plastic, Acrylic
Core cross-section 0.34 mm² Ambient temperature -20+60 °C Protection class IP67 Special features Laser Power-on indication LED, Green Excess gain indication LED	Electrical connection	Cable, 2 m, PVC
Ambient temperature -20+60 °C Protection class IP67 Special features Laser Power-on indication LED, Green Excess gain indication LED	Number of cores	3
Protection class IP67 Special features Laser Power-on indication LED, Green Excess gain indication LED	Core cross-section	0.34 mm²
Special features Laser Power-on indication LED, Green Excess gain indication LED	Ambient temperature	-20+60 °C
Power-on indication LED, Green Excess gain indication LED	Protection class	IP67
Excess gain indication LED	Special features	Laser
	Power-on indication	LED, Green
Display release LED, yellow	Excess gain indication	LED
	Display release	LED, yellow

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



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 extremly high excess gain are typical of this sensing mode, thus allowing operation over larger distances and under difficult conditions.



Technical data

Tests/approvals