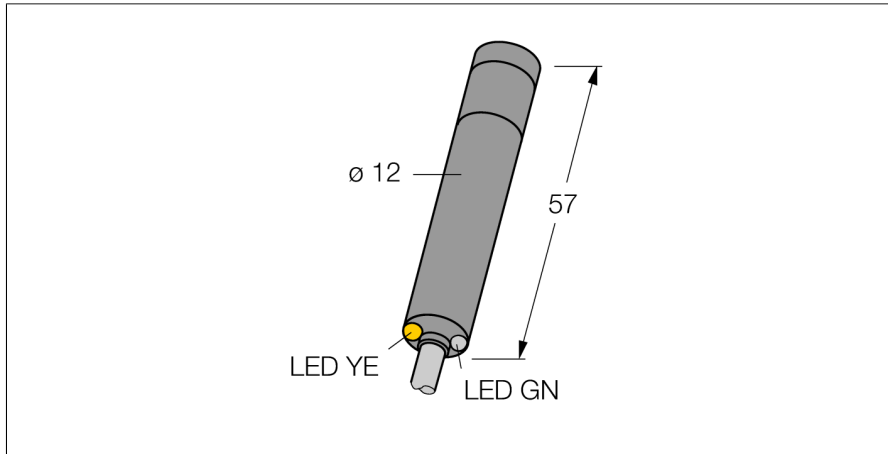


Photoelectric Sensor

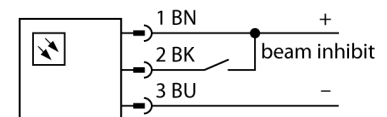
Opposed Mode Sensor (Laser Emitter)

M126E1LD W/30



- Cable, PVC, 9 m, 4-wire
- Protection classes IP67 / IP68
- Aluminum housing
- LED all-round visible
- Laser class 1
- Operating voltage: 10...30 VDC

Wiring Diagram



Type	M126E1LD W/30
ID	3053811
Optical data	
Function	Opposed mode sensor
Operating mode	Laser Emitter
Light type	Red
Wavelength	650 nm
Laser class	▲ 1
Beam diameter	2 mm
Electrical data	
Operating voltage U_a	10...30 VDC
No-load current I_o	≤ 30 mA
Reverse polarity protection	yes
Readiness delay	≤ 30 ms
Mechanical data	
Design	Tube, M12
Dimensions	Ø 12 x 67.5 mm
Housing material	Metal, AL, Black
Lens	plastic, Acrylic
Electrical connection	Cable, 9 m, PVC
Number of cores	3
Core cross-section	0.35 mm ²
Ambient temperature	-20...+60 °C
Protection class	IP67
Special features	
Power-on indication	LED, Green
Excess gain indication	LED
Display release	LED, yellow
Tests/approvals	

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.