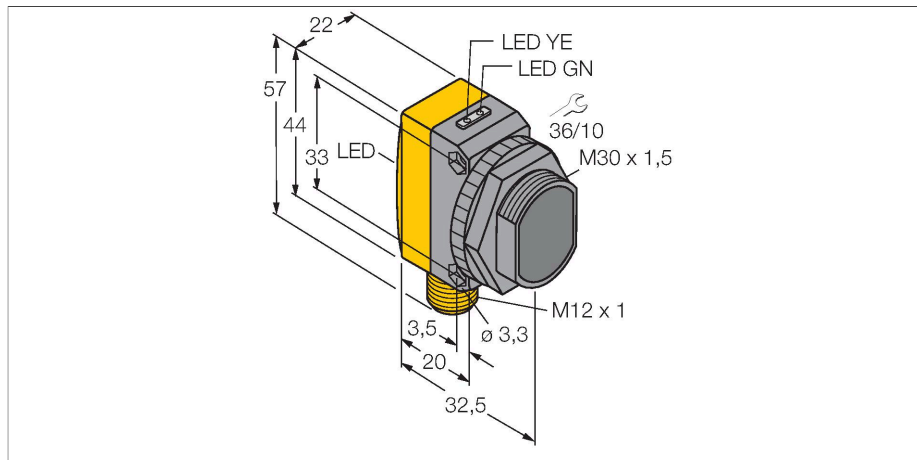


## EOIR60M-BT30-6X-H1151

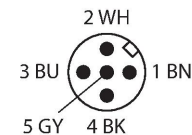
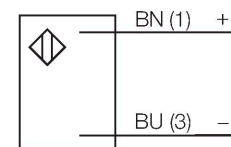
## Photoelectric Sensor – Opposed Mode Sensor (Emitter)



## Features

- Male, M12 x 1, 5-pin
- Protection class IP67
- LED, all-round visible
- Operating voltage: 10...30 VDC

## Wiring diagram



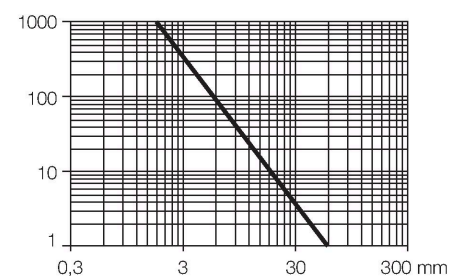
## Technical data

Type	EOIR60M-BT30-6X-H1151
ID	7700765
Function	Opposed mode sensor (emitter)
Light type	IR
Wavelength	875 nm
Range	0...60000 mm
Operating voltage	10...30 VDC
Residual ripple	< 10 % U <sub>ss</sub>
No-load current	≤ 70 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Readiness delay	≤ 100 ms
Design	Rectangular, QS30
Dimensions	35 x 22 x 57 mm
Housing material	Plastic, ABS, Yellow
Lens	plastic, Acryl
Electrical connection	Connector, M12 × 1
Ambient temperature	-20...+60 °C
Protection class	IP67
Power-on indication	LED, Green
Error indication	LED, green
MTTF	402 years acc. to SN 29500 (Ed. 99) 40 °C

## Functional principle

Opposed mode sensors consist of an emitter and a receiver. They are installed opposite to each other whereby the emitted light aims directly at the receiver. When an object interrupts or weakens the light beam, the sensor switches. The high contrast between light and dark conditions and an extremely high excess gain are typical of this sensing mode, thus allowing operation over large distances.

Excess gain curve  
Excess gain in relation to distance



Accessories

TMBM18FA

7700395

Mounting bracket; material VA 1.4401, for 18 mm thread

TMB30RAVK

7700399

Mounting bracket, stainless steel, for sensors with 30 mm thread, for cylinders Ø 28 mm

TMB30SC

7700400

Mounting bracket, PBT black; 30 mm thread; with 4 screws M5 x 0.8

Accessories

Dimension drawing	Type	ID	
	WKC4.5T-2/TEL	6625028	Connection cable, female M12, angled, 5-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see <a href="http://www.turck.com">www.turck.com</a>
	RKC4.5T-2/TEL	6625016	Connection cable, female M12, straight, 5-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see <a href="http://www.turck.com">www.turck.com</a>