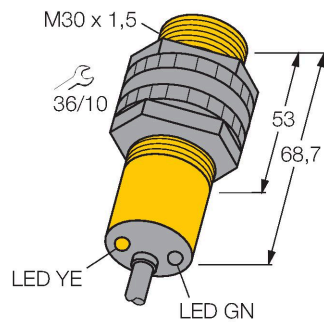


XSOIR200-BS30-VP6X2E

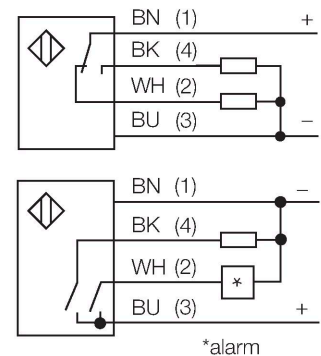
Photoelectric Sensor – Diffuse Mode Sensor with Fixed-field Background Suppression



Features

- Cable, 2 m
- Protection class IP67
- Ambient temperature: -40...+70 °C
- Operating voltage: 10...30 VDC
- PNP switching output, changeover

Wiring diagram

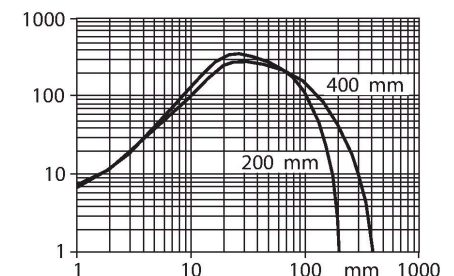


Functional principle

Emitter and receiver are incorporated in the same housing. The light reflected by the target is detected and causes the sensor to switch. The switching distance thereby depends largely on the reflectivity of the target.

Excess gain curve

Excess gain in relation to distance



Technical data

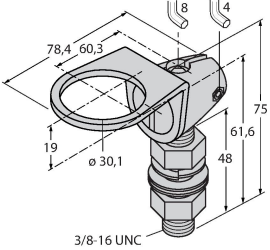
Type	XSOIR200-BS30-VP6X2E
ID	7700790
Function	Diffuse mode sensor with fixed-field background suppression
Light type	IR
Wavelength	880 nm
Range	0...200 mm
Operating voltage	10...30 VDC
No-load current	≤ 25 mA
Short-circuit protection	yes / Cyclic
Reverse polarity protection	yes
Output function	Connection programmable, PNP
Switching frequency	≤ 160 Hz
Overcurrent release	> 220 mA
Design	Cylinder, threaded, S30
Dimensions	Ø 30 x 68.7 mm
Housing material	Plastic, PBT
Lens	plastic, Acryl
Electrical connection	Cable, 2 m, PVC
Number of cores	4
Core cross-section	0.5 mm ²
Ambient temperature	-40...+70 °C
Special features	Wash down
Power-on indication	LED, Green
Switching state	LED, Yellow
Error indication	LED, green, flashing

Technical data

Alarm display	LED yellow flashing
MTTF	448 years acc. to SN 29500 (Ed. 99) 40 °C

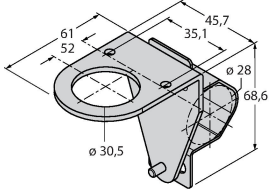
Accessories

TMBM30FA7700398



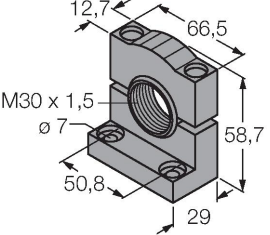
Mounting bracket, stainless steel, for 30 mm thread

TMB30RAVK7700399



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

TMB30SC7700400



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