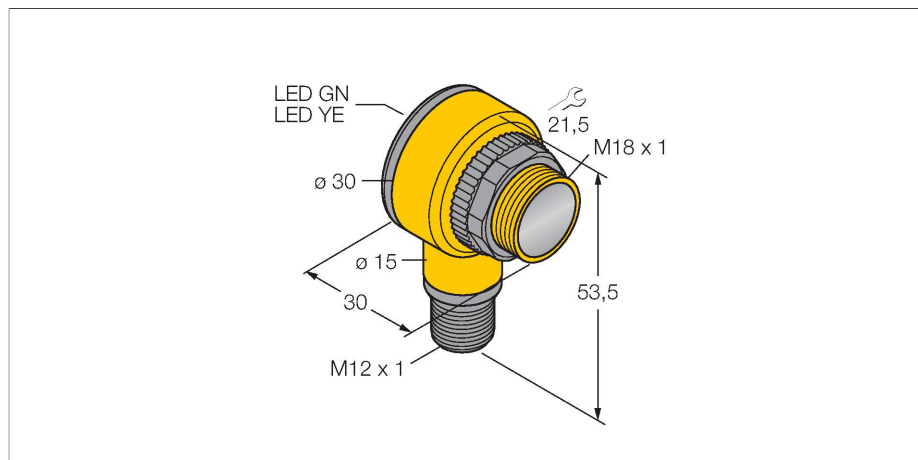


T18A6EQ

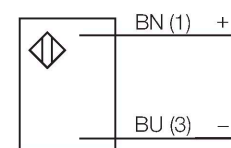
Photoelectric Sensor – Opposed Mode Sensor (Emitter)



Features

- M12 × 1 male connector, 4-pin
- Protection classes IP67/IP69K
- Ambient temperature: -40 °C...+70 °C
- Operating voltage: 10...30 VDC

Wiring diagram



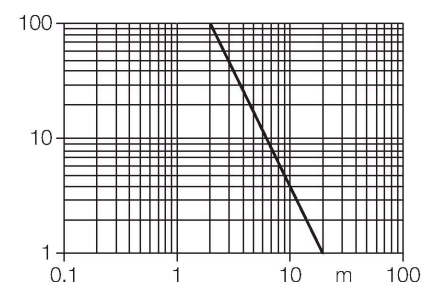
Technical data

Type	T18A6EQ
ID no.	3044380
Optical data	
Function	Opposed mode sensor (emitter)
Light type	IR
Wavelength	950 nm
Range	0...20000 mm
Electrical data	
Operating voltage	10...30 VDC
Residual ripple	< 10 % U _{ss}
Mechanical data	
Design	Rectangular with thread, T18
Dimensions	30 x 30 x 54 mm
Housing material	Plastic, PBT
Lens	plastic, Lexan
Electrical connection	Connectors, M12 × 1
Number of cores	2
Ambient temperature	-40...+70 °C
Protection class	IP67 IP69K
Special features	Wash down
Power-on indication	LED, Green
Tests/approvals	
Approvals	CE, UL, CSA

Functional principle

Opposed mode sensors consist of an emitter and receiver. They are installed opposite to 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. The excellent light/dark contrast and the high excess gain allow operation over larger distances and under difficult conditions.

Excess gain curve
Excess gain in relation to the distance

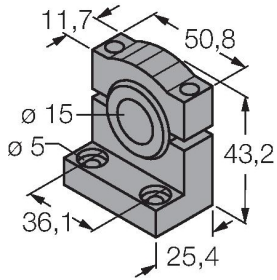


Accessories

SMB1815SF

3053279

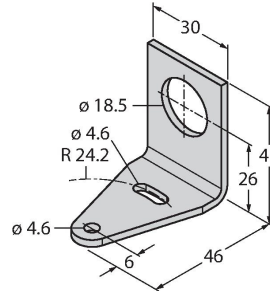
Mounting bracket, PBT black, for PICO-GUARD points



SMB18A

3033200

Mounting bracket, rectangular, stainless steel, for sensors with 18 mm thread



SMB18FM

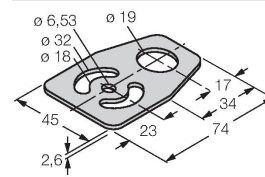
3079421

mounting bracket, black, M22 x1.5 mm, male thread, female thread M18 x 1, for sensors with 18 mm thread

SMBAMS18P

3073134

Mounting bracket, stainless steel, for sensors with 18 mm thread



Accessories

Dimension drawing

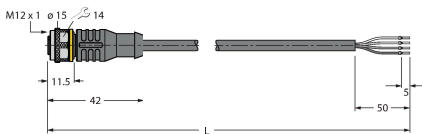
Type

ID no.

RKC4.4T-2/TEL

6625013

Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com



WKC4.4T-2/TEL

6625025

Connection cable, female M12, angled, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com

