

T30AW3FF100 W/30

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



Features

- Cable, 2 m
- Protection class IP67
- Ambient temperature: -40...+70 °C

Wiring diagram

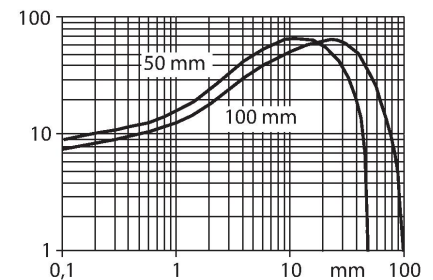


Functional principle

The emitter and receiver are incorporated in a single housing. The light reflection of the target is detected and triggers the sensor to switch. Thus the switching distance largely depends on the reflectivity of the target.

Excess gain curve

Excess gain in relation to the distance



Technical data

Type	T30AW3FF100 W/30
ID	3035325
Optical data	
Function	Proximity switch
Operating mode	Background suppression, non-adjustable
Light type	IR
Wavelength	880 nm
Range	0...100 mm
Electrical data	
Operating voltage	20...250 VAC
AC rated operational current	≤ 200 mA
Output function	Light operation, Relay output
Switching frequency	≤ 40 Hz
Readiness delay	≤ 100 ms
Mechanical data	
Design	Rectangular with thread, T30
Dimensions	45 x 40 x 51.5 mm
Housing material	Plastic, PBT
Lens	plastic, Acrylic
Electrical connection	Cable, 2 m, PVC
Number of cores	4
Core cross-section	0.5 mm ²
Ambient temperature	-40...+70 °C
Protection class	IP67
Special features	Wash down
Power-on indication	LED, Green

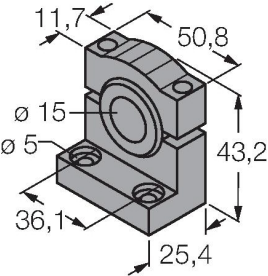
Technical data

Switching state	LED, Yellow
Tests/approvals	
MTTF	448 years acc. to SN 29500 (Ed. 99) 40 °C
Approvals	CE, UL, CSA

Accessories

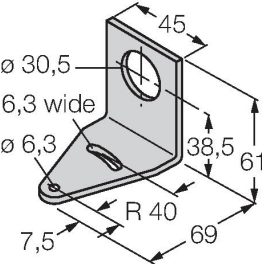
SMB1815SF3053279

Mounting bracket, PBT black, for PICO-GUARD points



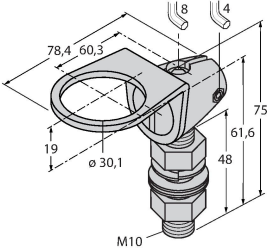
SMB30A3032723

Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread



SMB30FAM103011185

Mounting bracket, stainless steel, for M10 x 1.5 thread, thread length 30 mm



SMBAMS30P3073135

Mounting bracket, stainless steel, for sensors with 30 mm thread

