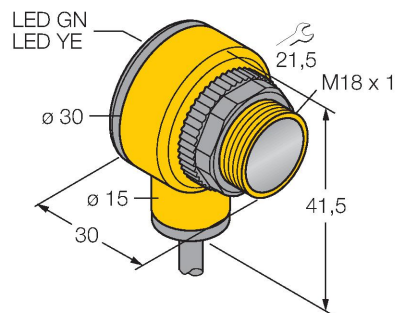


T18RN6LP

Photoelectric Sensor – Retroreflective Sensor with Polarizing Filter



Technical data

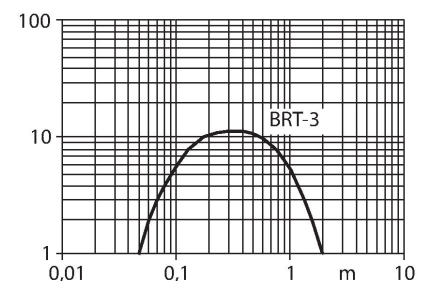
Type	T18RN6LP
ID	3044388
Optical data	
Function	Retroreflective Sensor
Operating mode	Polarized
Reflector included in delivery	no
Light type	Red polarized
Wavelength	680 nm
Range	50...2000 mm
Mechanical data	
Design	Tube, T18
Dimensions	30 x 30 x 41.5 mm
Housing material	Plastic, PBT
Lens	plastic, Acrylic
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
Tests/approvals	
Approvals	CE, UL, CSA

Features

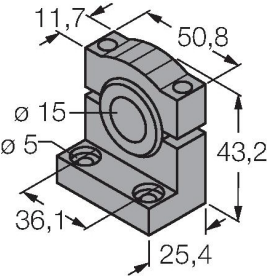
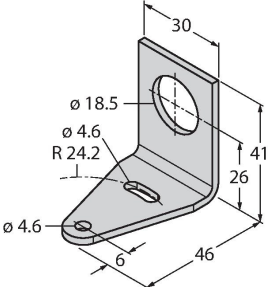
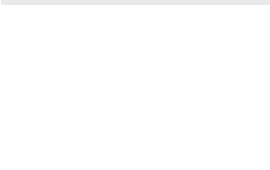
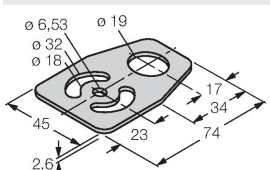
- Cable, 2 m
- Protection class IP67
- Ambient temperature: -40...+70 °C
- Selectable light/dark operation or light operation with alarm function

Functional principle

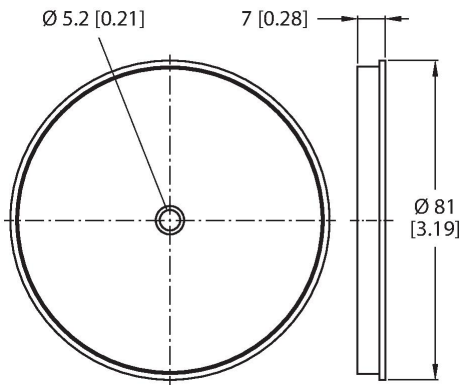
Retro-reflective sensors incorporate emitter and receiver in a single compact housing. The light beam of the emitter is directed towards a reflector which returns the light back to the receiver. An object is detected when it interrupts this beam. Retro-reflective sensors have a high function gain and good contrast performance. Further it is merely required to install and wire a single device. 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	
	BRT-3	3016164	Round reflector, reflection coefficient 1.0, material acrylic, ambient temperature -20...+60 °C