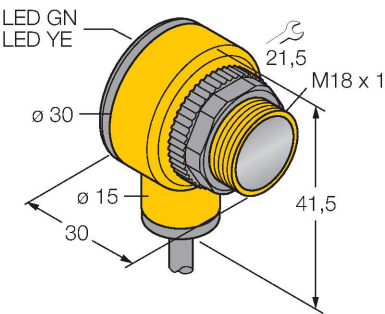


# T18RN6LP

## Photoelectric Sensor – Retroreflective Sensor with Polarizing Filter



### Technical data

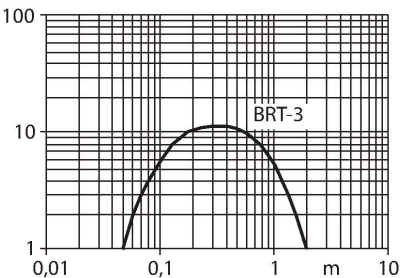
Type	T18RN6LP
ID no.	3044388
Optical data	
Function	Retroreflective sensor with polarizing filter
Reflector included in delivery	no
Light type	Red polarized
Wavelength	680 nm
Range	50...2000 mm
Mechanical data	
Design	Rectangular with thread, T18
Dimensions	30 x 30 x 41.5 mm
Housing material	Plastic, PBT
Lens	plastic, Acrylic
Electrical connection	Cable, 2 m, PVC
Number of cores	4
Core cross-section	0.5 mm <sup>2</sup>
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

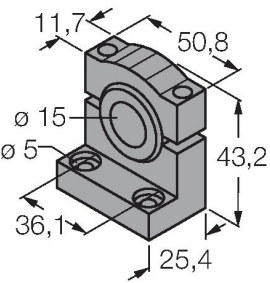
Retro-reflective sensors incorporate emitter and receiver in a single compact housing. The light beam of the emitter is directed towards a reflector which returns the light back to the receiver. An object is detected when it interrupts this beam. Retro-reflective sensors have a high function gain and 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

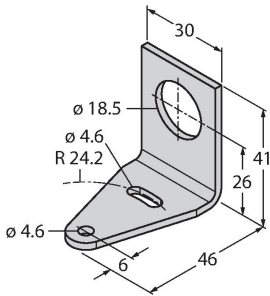
SMB1815SF3053279

Mounting bracket, PBT black, for PICO-GUARD points



SMB18A3033200

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

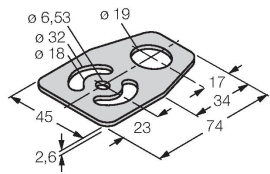


SMB18FM3079421

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

SMBAMS18P3073134

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



Accessories

Dimension drawing	Type	ID no.	
<div><div>Ø 5.2 [0.21]</div><div>7 [0.28]</div><div>Ø 81 [3.19]</div></div>	BRT-3	3016164	Round reflector, reflection coefficient 1.0, material acrylic, ambient temperature -20...+60 °C