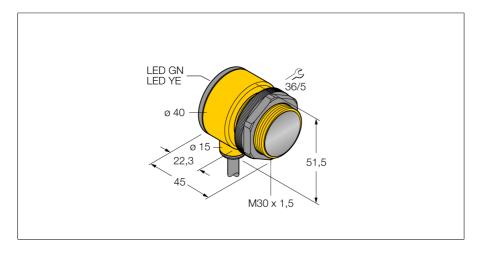


Photoelectric Sensor Retroreflective Sensor with Polarizing Filter T30AW3LP W/30



Туре	T30AW3LP W/30	
ID	3033943	
Optical data		
Function	Retroreflective Sensor	
Operating mode	Polarized	
Reflector included in delivery	no	
Light type	Red polarized	
Wavelength	680 nm	
Range	506000 mm	
Electrical data		
	20250VAC	
Operating voltage U _B		
AC rated operational current	≤ 200 mA	
Output function	Light operation, Relay output	
Switching frequency	≤ 40 Hz	
Readiness delay	≤ 100 ms	
Response time typical	< 16 ms	
Mechanical data		
Design	Tube, T30	
Dimensions	Ø 30 x 45 x 40 x 51.5 mm	
Housing material	Plastic, Thermoplastic material	
Lens	plastic, Acrylic	
Electrical connection	Cable, 9 m, PVC	
Number of cores	3	
Core cross-section	0.5 mm²	
Ambient temperature	-40+70 °C	
Protection class	IP69	
Special features	Encapsulated	
opecial leatures	Lilicapsulateu	

Wash down

LED, Green

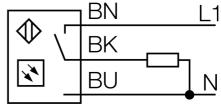
LED, Yellow

CE, UL, CSA

LED

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

Wiring Diagram

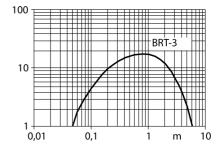


Functional principle

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



Power-on indication

Switching state

Excess gain indication

Tests/approvals
Approvals



Accessories

Type code	Ident no.		Dimension drawing
SMB1815SF	3053279	Mounting bracket, PBT black, for PICO-GUARD points	11.7 0 15 0 5 36,1 25,4
SMB30A	3032723	Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread	o 30,5————————————————————————————————————
SMB30FAM10	3011185	Mounting bracket, stainless steel, for M10 x 1.5 thread, thread length 30 mm	78.4 60.3 75 61.6 M10
SMBAMS30P	3073135	Mounting bracket, stainless steel, for sensors with 30 mm thread	0 6.5 0 25 0 7 22.5 70.5 93

Function accessories

Type code	Ident no.		Dimension drawing
BRT-3	3016164	Round reflector, reflection coefficient 1.0, material acrylic, ambient temperature -20+60 °C	Ø 5.2 [0.21] 7 [0.28]