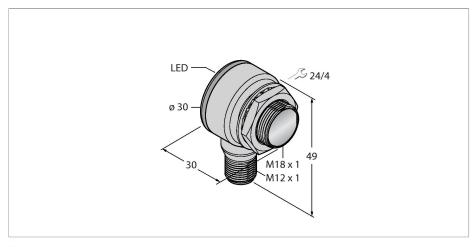
TM18P6LPQ Photoelectric Sensor – Retroreflective Sensor with Polarizing Filter



Technical data

Туре	TM18P6LPQ	
ID	3071768	
Optical data		
Function	Retroreflective Sensor	
Operating mode	Polarized	
Reflector included in delivery	no	
Light type	Red polarized	
Wavelength	624 nm	
Range	05500 mm	
No-load current	≤ 20 mA	
Switching frequency	≤ 500 Hz	
Mechanical data		
Design	Rectangular with thread, TM18	
Dimensions	30 x 30 x 49 mm	
Housing material	Metal/plastic, CuZn	
Lens	plastic, Acrylic	
Electrical connection	Connector, M12 × 1	
Ambient temperature	-40+70 °C	
Protection class	IP67 IP69K	
Special features	Wash down	
Tests/approvals		
Approvals	CE, UL	

Features

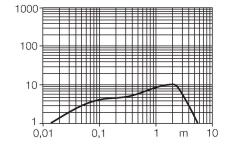
- ■M12 × 1 male connector, 4-pin
- Protection classes IP67/IP69K
- ■Ambient temperature: -40 °C...+70 °C
- Metal housing

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



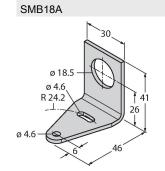


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Accessories

SMBT18Y 3069554

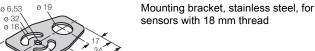
mounting bracket, rectangular, for sensors with 18 mm thread, 15.3 mm cable feedthrough or M12 x 1 male



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

SMBAMS18P

3073134



Accessories

Dimension drawing	Type	ID	
	BRT-84	3058979	Round reflector, reflection coefficient 1.4, material acrylic, ambient

