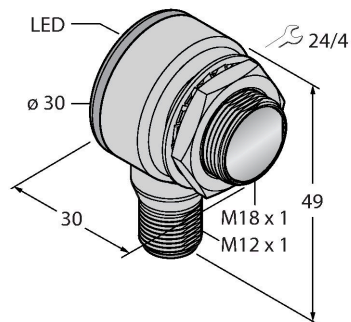


TM18P6DQ

Photoelectric Sensor – Diffuse Mode Sensor



Features

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

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	TM18P6DQ
ID no.	3071767
Optical data	
Function	Diffuse mode sensor
Light type	Red
Wavelength	880 nm
Range	500 mm
Operating voltage	10...30 VDC
Readiness delay	≤ 300 ms
Response time typical	< 3 ms
Setting option	Push Button
Mechanical data	
Design	Rectangular with thread, TM18
Dimensions	Ø 18 x 30 x 30 x 49 mm
Housing material	Metal/plastic, CuZn
Lens	plastic, Acrylic
Electrical connection	Connectors, M12 × 1, PVC
Number of cores	4
Ambient temperature	-20...+55 °C
Protection class	IP67
Special features	Wash down
Excess gain indication	LED
Tests/approvals	
Approvals	CE, UL

Accessories

SMBT18Y

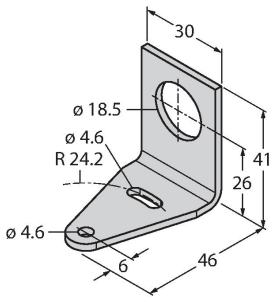
3069554

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

SMB18A

3033200

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



SMBAMS18P

3073134

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

Technical drawing of the SMBAMS18P mounting bracket. It is a rectangular bracket with a central circular hole and four mounting holes. The central hole has a diameter of 19 mm. The mounting holes have diameters of 6.53 mm, 32 mm, and 18 mm. The bracket is made of stainless steel. Dimensions: 45 mm width, 74 mm height, 17 mm mounting hole offset, 34 mm mounting hole offset, 23 mm mounting hole offset, 2.6 mm mounting hole offset, and a 4.6 mm hole diameter.