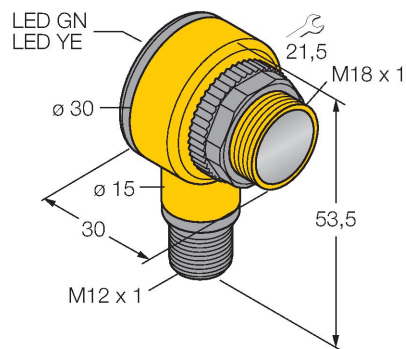


T18AP6DLQ

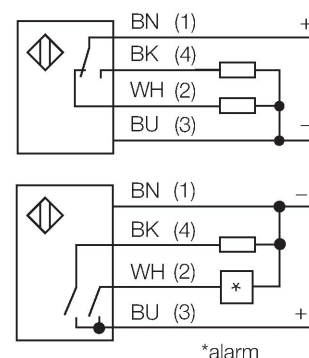
Photoelectric Sensor – Diffuse Mode Sensor



Features

- M12 × 1 male connector, 4-pin
- Protection classes IP67/IP69K
- Ambient temperature: -40 °C...+70 °C
- Selectable light/dark operation or light operation with alarm function
- Operating voltage: 10...30 VDC
- PNP switching output, changeover

Wiring diagram

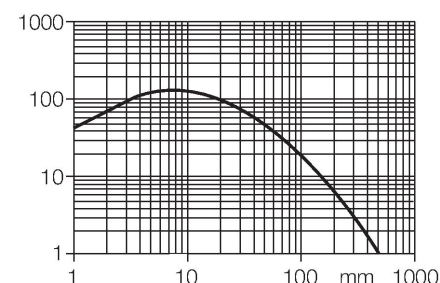


Functional principle

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

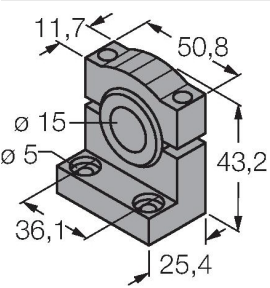
Type	T18AP6DLQ
ID	3044385
Optical data	
Function	Proximity switch
Operating mode	Diffuse
Light type	IR
Wavelength	880 nm
Range	0...500 mm
Electrical data	
Operating voltage	10...30 VDC
No-load current	≤ 25 mA
Short-circuit protection	yes / Cyclic
Reverse polarity protection	yes
Output function	Connection programmable, PNP
Switching frequency	≤ 160 Hz
Readiness delay	≤ 100 ms
Overcurrent release	> 220 mA
Mechanical data	
Design	Tube, T18
Dimensions	30 x 30 x 54 mm
Housing material	Plastic, PBT
Lens	plastic, Acrylic
Electrical connection	Connector, M12 × 1
Ambient temperature	-40...+70 °C
Protection class	IP67 IP69K
Special features	Wash down

Technical data

Power-on indication	LED, Green
Switching state	LED, Yellow
Error indication	LED, green, Flashing
Alarm display	LED yellow Flashing
Tests/approvals	
Approvals	CE, UL, CSA

Accessories

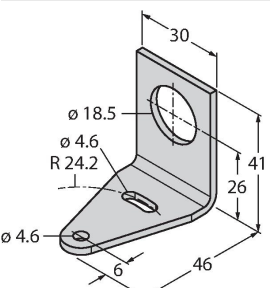
SMB1815SF	3053279
-----------	---------



Technical drawing of the SMB1815SF mounting bracket. It is a black PBT bracket for PICO-GUARD points. Dimensions shown: 11.7 mm (top width), 50.8 mm (top length), 43.2 mm (height), 25.4 mm (bottom width), 36.1 mm (bottom length), 15 mm (central hole diameter), and 5 mm (side hole diameter).

Mounting bracket, PBT black, for PICO-GUARD points

SMB18A	3033200
--------	---------



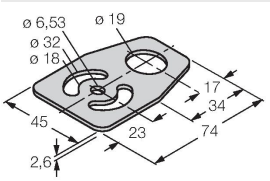
Technical drawing of the SMB18A mounting bracket. It is a rectangular stainless steel bracket for sensors with 18 mm thread. Dimensions shown: 30 mm (top width), 41 mm (height), 26 mm (bottom width), 46 mm (bottom length), 18.5 mm (central hole diameter), 4.6 mm (side hole diameter), and R24.2 (corner radius).

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
-----------	---------

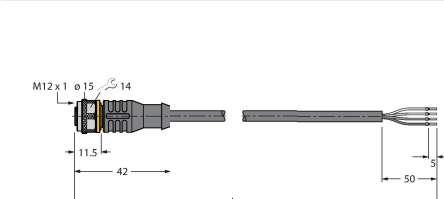


Technical drawing of the SMBAMS18P mounting bracket. It is a stainless steel bracket for sensors with 18 mm thread. Dimensions shown: 45 mm (top width), 23 mm (bottom width), 74 mm (bottom length), 17 mm (side length), 34 mm (side length), 2.6 mm (thickness), 6.53 mm (hole diameter), 32 mm (hole diameter), 18 mm (hole diameter), and 19 mm (hole diameter).

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

Accessories

Dimension drawing	Type	ID	
-------------------	------	----	--

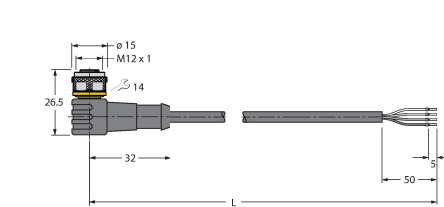


Technical drawing of the RKC4.4T-2/TEL connection cable. It is a straight cable with female M12 connector and 4-pin. Dimensions shown: 11.5 mm (connector length), 42 mm (cable length), 50 mm (cable length), and 5 mm (cable length).

RKC4.4T-2/TEL

6625013

Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com



Technical drawing of the WKC4.4T-2/TEL connection cable. It is an angled cable with female M12 connector and 4-pin. Dimensions shown: 26.5 mm (connector length), 32 mm (cable length), 50 mm (cable length), and 5 mm (cable length).

WKC4.4T-2/TEL

6625025

Connection cable, female M12, angled, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com