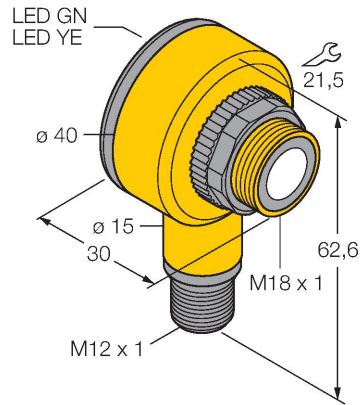


T18VP6URQ

Ultrasonic Sensor – receiver

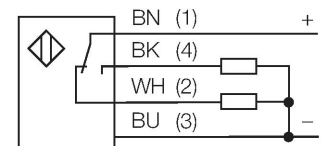
With Switching Output



Features

- Compact design
- Connection via male M12 x 1
- Operating voltage: 10...30 VDC
- Switching output PNP, NO
- Blind zone: 0 cm
- Range: 60 cm

Wiring diagram



Technical data

Type	T18VP6URQ
ID	3038511
Ultrasonic data	
Function	Opposed mode sensor
Range	300...600 mm
Ultrasound frequency	230 kHz
Repeatability	≤ ± 2 mm
Electrical data	
Operating voltage	12...30 VDC
Residual ripple	10 % U _{ss}
DC rated operational current	≤ 35 mA
Response time typical	< 1 ms
Readiness delay	≤ 100 ms
Output function	NO contact, PNP
Switching frequency	≤ 250 Hz
Reverse polarity protection	yes
Mechanical data	
Design	Rectangular with thread, T18U
Radiation direction	straight
Dimensions	Ø 40 x 30 mm
Housing material	Plastic, PBT
Transducer material	Plastic, Epoxyd resin and PU foam
Electrical connection	Connector, M12 × 1, PVC
Ambient temperature	-40...+70 °C
Protection class	IP67

Functional principle

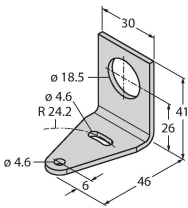
Ultrasonic sensors detect a multitude of objects contactless and wear-free with ultrasonic waves. Regardless of whether the object is transparent or opaque, metallic or non-metallic, liquid, solid or powdery. Even environmental conditions such as spray, dust or rain hardly affect their function.

Technical data

Power-on indication	LED, Green
Switching state	LED, Yellow
Object detected	LED, Yellow
Tests/approvals	
Approvals	CE

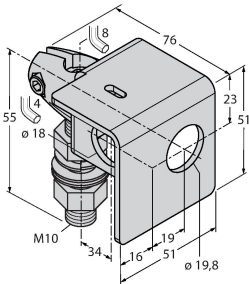
Accessories

SMB18A	3033200
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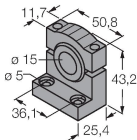
Mounting bracket, rectangular, stainless steel, for sensors with 18 mm thread

SMB18AFAM10	3012558
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Mounting bracket, material VA 1.4401, for M10 x 1.5 thread, thread length 18 mm

SMB1815SF	3053279
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Mounting bracket, PBT black, for PICO-GUARD points

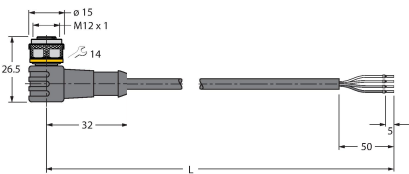
Accessories

Dimension drawing	Type	ID	
	RKC4.4T-2/TEL	6625013	



Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval

	WKC4.4T-2/TEL	6625025	
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Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval