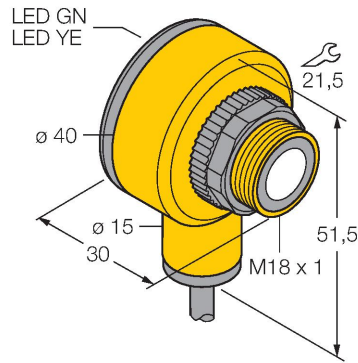


# T18VN6UR

## Ultrasonic Sensor – receiver

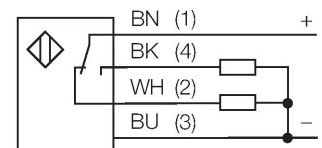
### With Switching Output



#### Features

- Operating voltage: 10...30 VDC
- Switching output PNP, NO
- Blind zone: 0 cm
- Range: 60 cm

#### Wiring diagram



#### Technical data

|                        |                                   |
|------------------------|-----------------------------------|
| Type                   | T18VN6UR                          |
| ID                     | 3038512                           |
| <b>Ultrasonic data</b> |                                   |
| Function               | Opposed mode sensor               |
| Range                  | 300...600 mm                      |
| Ultrasound frequency   | 230 kHz                           |
| <b>Electrical data</b> |                                   |
| Response time typical  | < 1 ms                            |
| Readiness delay        | ≤ 100 ms                          |
| Output function        | Complementary contact, NPN        |
| <b>Mechanical data</b> |                                   |
| Design                 | Rectangular with thread, T18U     |
| Radiation direction    | straight                          |
| Housing material       | Plastic, PBT                      |
| Transducer material    | Plastic, Epoxyd resin and PU foam |
| Electrical connection  | Cable, 2 m, PVC                   |
| Ambient temperature    | -40...+70 °C                      |
| Protection class       | IP67                              |
| <b>Tests/approvals</b> |                                   |
| Approvals              | CE                                |

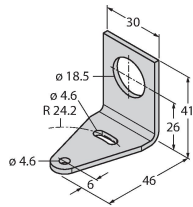
#### Functional principle

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.

Accessories

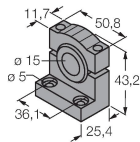
SMB18A 3033200

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



SMB1815SF 3053279

Mounting bracket, PBT black, for  
PICO-GUARD points



SMB18AFAM10 3012558

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

