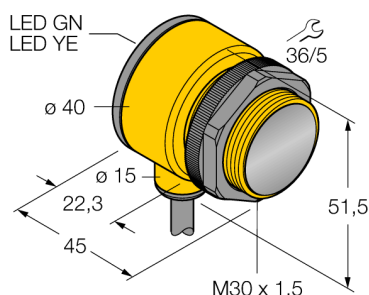
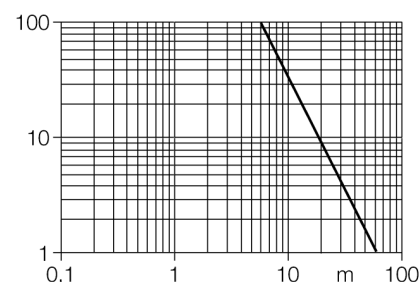
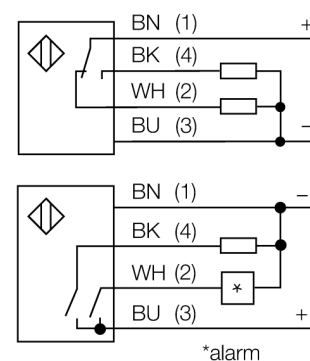


# Photoelectric Sensor Opposed Mode T30SP6RE



- Cable, 2 m
- Protection class IP67
- Ambient temperature: -40...+70 °C
- Operating voltage: 10...30 VDC
- PNP switching output, changeover

## Wiring Diagram



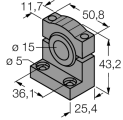
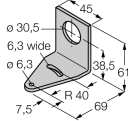
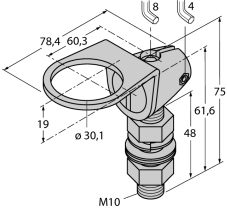
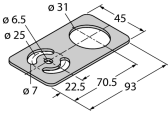
|                             |                                 |
|-----------------------------|---------------------------------|
| Type                        | T30SP6RE                        |
| ID                          | 3037069                         |
| Optical data                |                                 |
| Function                    | Opposed mode sensor             |
| Operating mode              | Emitter/receiver pair           |
| Electrical data             |                                 |
| Operating voltage $U_a$     | 10...30 VDC                     |
| No-load current $I_o$       | ≤ 25 mA                         |
| Short-circuit protection    | yes/Cyclic                      |
| Reverse polarity protection | yes                             |
| Output function             | Connection programmable, PNP    |
| Switching frequency         | ≤ 160 Hz                        |
| Readiness delay             | ≤ 100 ms                        |
| Response time typical       | < 3 ms                          |
| Overcurrent release         | > 220 mA                        |
| Mechanical data             |                                 |
| Design                      | Tube, T30                       |
| Dimensions                  | Ø 30 x 45 x 40 x 51.5 mm        |
| Housing material            | Plastic, Thermoplastic material |
| Lens                        | plastic, Acrylic                |
| Electrical connection       | Cable, 2 m, PVC                 |
| Number of cores             | 4                               |
| Core cross-section          | 0.5 mm <sup>2</sup>             |
| Ambient temperature         | -40...+70 °C                    |
| Protection class            | IP69                            |
| Special features            |                                 |
| Encapsulated                | Wash down                       |
| Power-on indication         | LED, Green                      |
| Switching state             | LED, Yellow                     |
| Error indication            | LED, green, Flashing            |
| Excess gain indication      | LED                             |
| Alarm display               | LED yellow Flashing             |

Tests/approvals

Approvals

CE, UL, CSA

## Accessories

| Type code  | Ident no. |                                                                              | Dimension drawing                                                                     |
|------------|-----------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| SMB1815SF  | 3053279   | Mounting bracket, PBT black, for PICO-GUARD points                           |    |
| SMB30A     | 3032723   | Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread |    |
| SMB30FAM10 | 3011185   | Mounting bracket, stainless steel, for M10 x 1.5 thread, thread length 30 mm |   |
| SMBAMS30P  | 3073135   | Mounting bracket, stainless steel, for sensors with 30 mm thread             |  |