# WT30-01

# WT30-01



Illustration may differ

## Ordering information

| Type | Part no. |
|------|----------|
| WT30-01 | 1004179 |

Other models and accessories → www.sick.com/

## Detailed technical data

### Features

| | |
|---|---|
| **Functional principle** | Photoelectric proximity sensor |
| **Functional principle detail** | Background suppression |
| **Dimensions (W x H x D)** | 36 mm x 85 mm x 72 mm |
| **Housing design (light emission)** | Rectangular |
| **Sensing range max.** | 30 mm ... 300 mm [1] |
| **Sensing range** | 30 mm ... 300 mm [1] |
| **Type of light** | Visible red light |
| **Light source** | LED |
| **Adjustment** | Potentiometer<br>Potentiometer |

[1] Object with 90% remission (based on standard white, DIN 5033).

### Mechanics/electronics

| | |
|---|---|
| **Supply voltage** | 10 V DC ... 30 V DC |
| **Ripple** | < 10 $V_{pp}$ |
| **Current consumption** | 80 mA [1] |
| **Switching mode** | Light/dark switching |
| **Response time** | ≤ 15 ms [2] |
| **Connection type** | Terminal, PG9 |
| **Housing material** | Plastic, Glassfibre reinforced plastic |
| **Optics material** | Plastic, PMMA |
| **Enclosure rating** | IP65 |
| **Ambient operating temperature** | –25 °C ... +55 °C |
| **Ambient temperature, storage** | –40 °C ... +80 °C |

[1] Without load.
[2] Signal transit time with resistive load.

## Classifications

| | |
|---|---|
| **eCl@ss 5.0** | 27270904 |
| **eCl@ss 5.1.4** | 27270904 |
| **eCl@ss 6.0** | 27270904 |
| **eCl@ss 6.2** | 27270904 |
| **eCl@ss 7.0** | 27270904 |
| **eCl@ss 8.0** | 27270904 |
| **eCl@ss 8.1** | 27270904 |
| **eCl@ss 9.0** | 27270904 |
| **eCl@ss 10.0** | 27270904 |
| **eCl@ss 11.0** | 27270904 |
| **ETIM 5.0** | EC002719 |
| **ETIM 6.0** | EC002719 |
| **ETIM 7.0** | EC002719 |
| **UNSPSC 16.0901** | 39121528 |

## Connection type
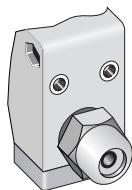


## Connection diagram
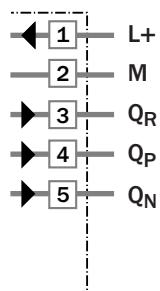
## Adjustments
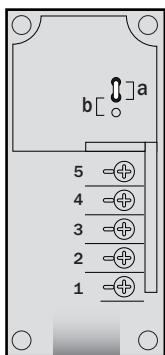


## Dimensional drawing (Dimensions in mm (inch))
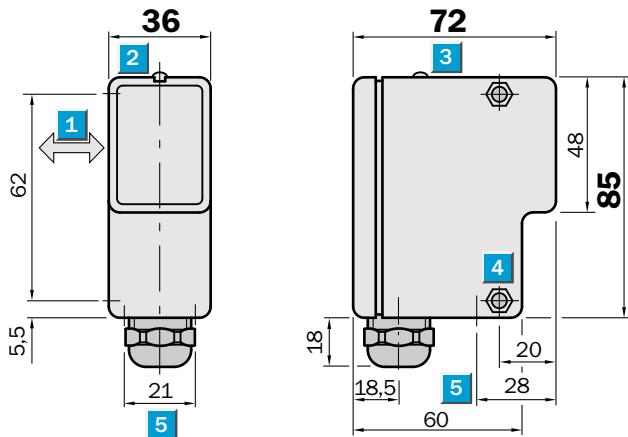


① Standard direction of the material being detected
② Alignment sight
③ Function indicator
④ Fixing hole, bore on both sides for M5 hexagon nut
⑤ M5 threaded mounting hole, 5.5 mm deep

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

**For us, that is "Sensor Intelligence."**

## WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

SICK AG  |  Waldkirch  |  Germany  |  www.sick.com

**SICK**
Sensor Intelligence.