WT260-N260

SICK
Sensor Intelligence.
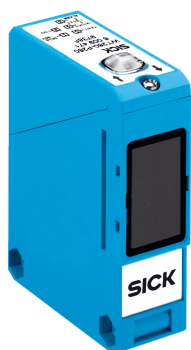
WT260-N260

Ordering information

Type	Part no.
WT260-N260	6009470

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)	25 mm x 77.5 mm x 63 mm
Housing design (light emission)	Rectangular
Sensing range max.	0 mm ... 380 mm [1]
Sensing range	0 mm ... 380 mm [1]
Type of light	Infrared light
Light source	LED
Adjustment	Potentiometer

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

Mechanics/electronics

Supply voltage	10 V DC ... 30 V DC
Ripple	< 5 V_{pp}
Current consumption	35 mA [1]
Switching output	NPN
Switching mode	Light/dark switching
Response time	≤ 2 ms [2]
Connection type	Cable gland
Housing material	Plastic, ABS
Optics material	Plastic, PMMA
Enclosure rating	IP66
Ambient operating temperature	–25 °C ... +55 °C

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

Ambient temperature, storage	–40 °C ... +70 °C
UL File No.	NRNT2.E128350 & NRNT8.E128350

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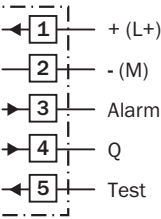[2] Signal transit time with resistive load.

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

Cd-153

1 — + (L+)
2 — - (M)
3 — Alarm
4 — Q
5 — Test

Characteristic curve

WT 260, 380 mm

6%/90% **1**

18%/90% **2**

90%/90% **3**

% of scanning distance

(mm) 150 200 250 300 350 400
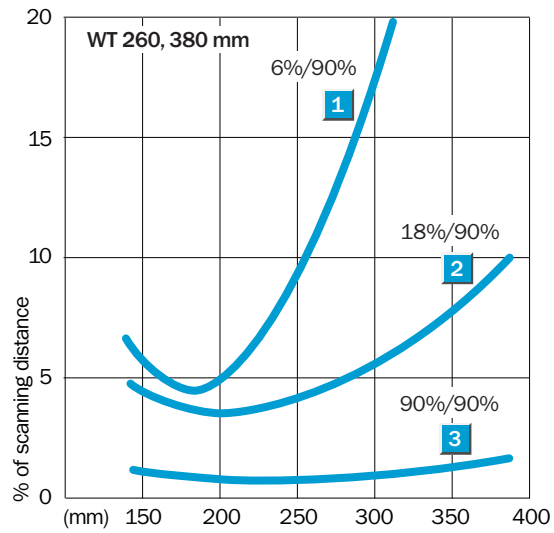
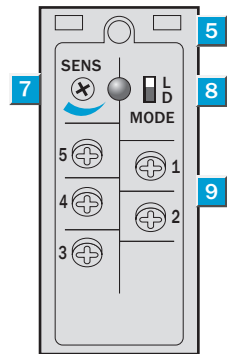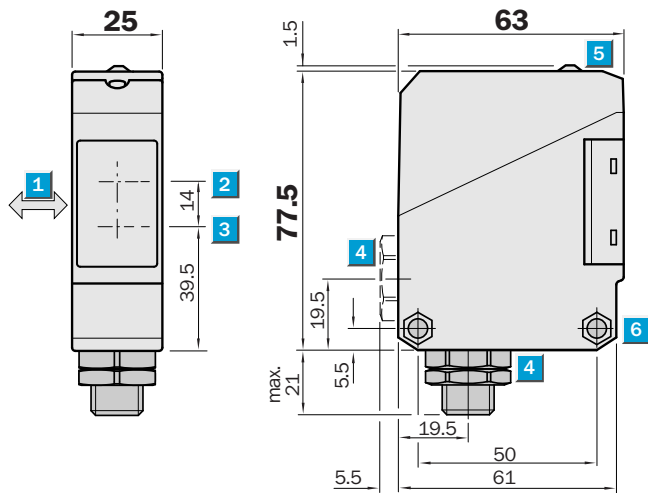## Adjustments

⑤ LED signal strength indicator, red
⑦ Adjustment of sensing range
⑧ Light/ dark rotary switch: L = light switching, D = dark switching
⑨ Terminals

Dimensional drawing (Dimensions in mm (inch))

① Standard direction of the material being detected
② Center of optical axis, receiver
③ Center of optical axis, sender
④ Cable entry gland 1/2" PF for cable diameter 6 to 10 mm optionally at bottom or rear
⑤ LED reception indicator, red
⑥ Mounting hole ø 5.2 mm, for M5 hexagon nuts on both sides

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**

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