



W260

One housing for all applications

PHOTOELECTRIC SENSORS

SICK
Sensor Intelligence.



Technical data overview

Dimensions (W x H x D)	25 mm x 78 mm x 63 mm 25 mm x 77.8 mm x 63 mm
Sensing range max.	70 mm ... 2,100 mm ¹⁾ 0 mm ... 380 mm ¹⁾ 5 mm ... 1,700 mm ¹⁾ 10 mm ... 3,500 mm ¹⁾ 5 mm ... 1,500 mm ¹⁾ 10 mm ... 3,200 mm ¹⁾ 0.01 m ... 15 m ²⁾ 0.01 m ... 14 m ²⁾ 0 m ... 45 m 0 m ... 35 m
Light source	LED
Type of light	Infrared light / visible red light (depending on type)
Enclosure rating	IP67 / IP66 (depending on type)
Housing material	Plastic ABS
Adjustment	Single teach-in button / Potentiometer, 270° (depending on type)

¹⁾ Object with 90 % reflectance (referred to standard white, DIN 5033).

²⁾ Reflector PL80A.

Product description

The W260 family has six different sensing types available. This means the same housing may be used to solve many different applications, making the W260 extremely versatile. In addition, all versions are available with DC voltage or universal AC/DC voltage. All sensor configuration controls are easily accessible and protected by a cover. A mounting bracket and a reflector (WL260 only) are provided to simplify installation.

At a glance

- Six different sensing types combined in one housing
- Long sensing ranges
- All necessary mounting accessories (bracket and reflector, WL250 only) are included with delivery
- Switch selectable operating mode (light/dark)
- Optional adjustable time delays
- M12 connector or terminal chamber
- Versions for 10 – 30 V DC or 12 – 240 V DC/ 24 – 240 V AC voltage supply

Your benefits

- Retro-reflective and through-beam versions have high operating reserves, ensuring less downtime
- Configuration controls are protected by a cover, ensuring less damage
- Easily accessible terminal chamber for electrical connections simplifies installation
- Variants with universal AC/DC voltage in the same housing provide integration flexibility
- Multiple sensor types in the same housing simplify integration of individual systems

Ordering information

Other models and accessories → www.sick.com/W260

- **Sensor principle:** Photoelectric proximity sensor
- **Detection principle:** Background suppression
- **Light source:** LED
- **Voltage type:** DC
- **Switching mode:** Light/dark switching
- **Type of light:** Infrared light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
0 mm ... 380 mm	PNP	Potentiometer	Cable gland	WT260-P260	6009471
			Male connector M12, 4-pin	WT260-P460	1011540
			Male connector M12, 5-pin	WT260-P560	1011541
70 mm ... 2,100 mm	NPN	Teach-in button	Cable gland	WT260T-N290	6021921
			Male connector M12, 4-pin	WT260T-N490	6021922
	PNP	Teach-in button	Cable gland	WT260T-P290	6021919
			Male connector M12, 4-pin	WT260T-P490	6021920

- **Sensor principle:** Photoelectric proximity sensor
- **Detection principle:** Background suppression
- **Light source:** LED
- **Voltage type:** AC/DC
- **Switching mode:** Light switching
- **Type of light:** Infrared light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
70 mm ... 2,100 mm	Relay	Teach-in button	Cable gland	WT260T-R290	6021924
				WT260T-S290	6021923

- **Sensor principle:** Photoelectric proximity sensor
- **Detection principle:** Background suppression
- **Light source:** LED
- **Voltage type:** AC/DC
- **Switching mode:** Light/dark switching
- **Type of light:** Infrared light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
0 mm ... 380 mm	Relay	Potentiometer	Cable gland	WT260-R260	6009472
				WT260-S260	6009473

- **Sensor principle:** Photoelectric proximity sensor
- **Detection principle:** Energetic
- **Light source:** LED
- **Voltage type:** AC/DC
- **Switching mode:** Light switching
- **Type of light:** visible red light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
5 mm ... 1,700 mm	Relay	Potentiometer	Cable gland	WT260-R270	6020770
				WT260-S270	6020769

- **Sensor principle:** Photoelectric proximity sensor
- **Detection principle:** Energetic
- **Light source:** LED
- **Voltage type:** AC/DC
- **Switching mode:** Light switching
- **Type of light:** Infrared light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
10 mm ... 3,500 mm	Relay	Potentiometer	Cable gland	WT260-R280	6020772
				WT260-S280	6020771

- **Sensor principle:** Photoelectric proximity sensor
- **Detection principle:** Energetic
- **Light source:** LED
- **Voltage type:** DC
- **Switching mode:** Light/dark switching
- **Type of light:** visible red light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
5 mm ... 1,500 mm	NPN	Potentiometer	Cable gland	WT260-E270	6020981
			Male connector M12, 4-pin	WT260-E470	6021815
	PNP	Potentiometer	Cable gland	WT260-F270	6020979
			Male connector M12, 4-pin	WT260-F470	6020980

- **Sensor principle:** Photoelectric proximity sensor
- **Detection principle:** Energetic
- **Light source:** LED
- **Voltage type:** DC
- **Switching mode:** Light/dark switching
- **Type of light:** Infrared light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
10 mm ... 3,200 mm	NPN	Potentiometer	Cable gland	WT260-E280	6020984
			Male connector M12, 4-pin	WT260-E480	6021816
	PNP	Potentiometer	Cable gland	WT260-F280	6020982
			Male connector M12, 4-pin	WT260-F480	6020983

- **Sensor principle:** Photoelectric retro-reflective sensor
- **Detection principle:** Dual lens
- **Light source:** LED
- **Voltage type:** AC/DC
- **Switching mode:** Light switching
- **Type of light:** visible red light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
0.01 m ... 15 m	Relay	Potentiometer	Cable gland	WL260-0230S01	6010102
				WL260-R270	6020768
				WL260-S270	6020767
				WL260-S270S01	6025172

- **Sensor principle:** Photoelectric retro-reflective sensor
- **Detection principle:** Dual lens
- **Light source:** LED
- **Voltage type:** DC
- **Switching mode:** Light/dark switching
- **Type of light:** visible red light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
0.01 m ... 14 m	NPN	Potentiometer	Cable gland	WL260-E270	6020978
			Male connector M12, 4-pin	WL260-E470	6021814
	PNP	Potentiometer	Cable gland	WL260-F270	6020976
			Male connector M12, 4-pin	WL260-F470	6020977

- **Sensor principle:** Through-beam photoelectric sensor
- **Light source:** LED
- **Voltage type:** AC/DC
- **Switching mode:** Light switching
- **Type of light:** visible red light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
0 m ... 45 m	Relay	Potentiometer	Cable gland	WS/WE260-R270	6020774
				WS/WE260-S270	6020773

- **Sensor principle:** Through-beam photoelectric sensor
- **Light source:** LED
- **Voltage type:** DC
- **Switching mode:** Light/dark switching
- **Type of light:** visible red light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
0 m ... 35 m	NPN	Potentiometer	Cable gland	WS/WE260-E270	6020975
			Male connector M12, 4-pin	WS/WE260-E470	6021817
	PNP	Potentiometer	Cable gland	WS/WE260-F270	6020973
			Male connector M12, 4-pin	WS/WE260-F470	6020974

Type	Part no.
WE260-S270	6020676
WL260-P230	6008952
WS260-G470	6020969
WS260-U270	6020347

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