



W4-3 PTFE

Teflon-coated photoelectric sensors withstand the harshest environments

PHOTOELECTRIC SENSORS

SICK
Sensor Intelligence.



Technical data overview

Dimensions (W x H x D)	22 mm x 42 mm x 21.8 mm
Sensing range max.	4 mm ... 120 mm ¹⁾ 0 m ... 3 m
Light source	PinPoint LED
Type of light	Visible red light
Enclosure rating	IP68 IP69K
Housing material	PTFE coating PTFE
Adjustment	Cable / none (depending on type)

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



Product description

The W4-3 photoelectric sensors in a Teflon® shell coating are resistant to harsh chemicals. Both the housing and cable are Teflon coated, making them ideal for wet, harsh environments in the food and beverage industry.

At a glance

- Sensor and cable have a rugged Teflon coating for use in the most aggressive environments
- Suitable for use in the food and beverage industry
- Sensing range set via teach-in cable
- Available as background suppression and through-beam system

Your benefits

- High cost savings since development or mounting of a protective housing is not needed. Entire sensor including cable is Teflon-coated so it can be placed directly in the process.
- Less machine downtime due to a long sensor life that withstands even the most aggressive cleaning and process agents

Ordering information

Other models and accessories → www.sick.com/W4-3_PTFE

- **Sensor principle:** Photoelectric proximity sensor
- **Detection principle:** Background suppression
- **Light source:** PinPoint LED
- **Voltage type:** DC
- **Switching mode:** Light switching
- **Type of light:** visible red light

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
4 mm ... 120 mm	NPN	Cable	Cable, 4-wire, 5 m ¹⁾	WTB4T-3N1264	1028092
	PNP	Cable	Cable, 4-wire, 5 m ¹⁾	WTB4T-3P1264	1028091

¹⁾ Do not bend below 0 °C.

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

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
0 m ... 3 m	NPN	None	Cable, 3-wire, 5 m ¹⁾	WSE4T-3E1430	1029648
	PNP	None	Cable, 3-wire, 5 m ¹⁾	WSE4T-3F1430	1029647

¹⁾ Do not bend below 0 °C.

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

Sensing range max.	Switching output	Adjustment	Connection type	Type	Part no.
0 m ... 3 m	NPN	None	Cable, 3-wire, 5 m ¹⁾	WSE4T-3N1430	1102467
	PNP	None	Cable, 3-wire, 5 m ¹⁾	WSE4T-3P1430	1029646

¹⁾ Do not bend below 0 °C.

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