WTT12 PowerProx

MultiTask photoelectric proximity sensor with a wide variety of application possibilities
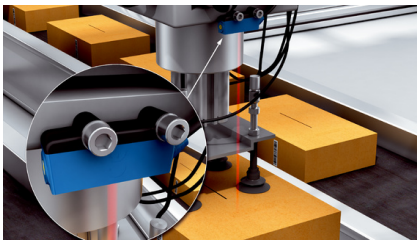
SICK
Sensor Intelligence.

Advantages


Large sensing range in a small housing

The PowerProx detects large areas at a maximum distance of up to 4 m. The sensors are resistant to background reflections and therefore offer maximum reliability. In addition, the compact housing makes the PowerProx a space-saving detection solution for large distances.
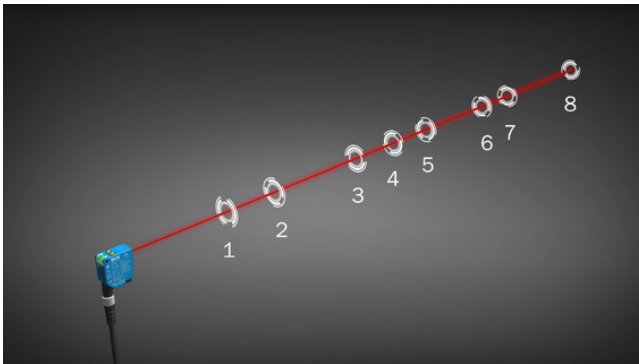

The ideal solution for space-saving use in grippers and robotic elements

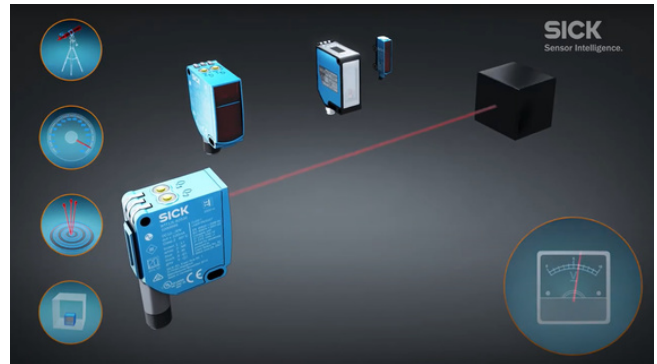Top performance for occupied bay and clearance detection thanks to IO-Link and up to eight switching points
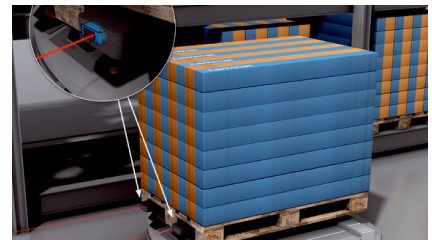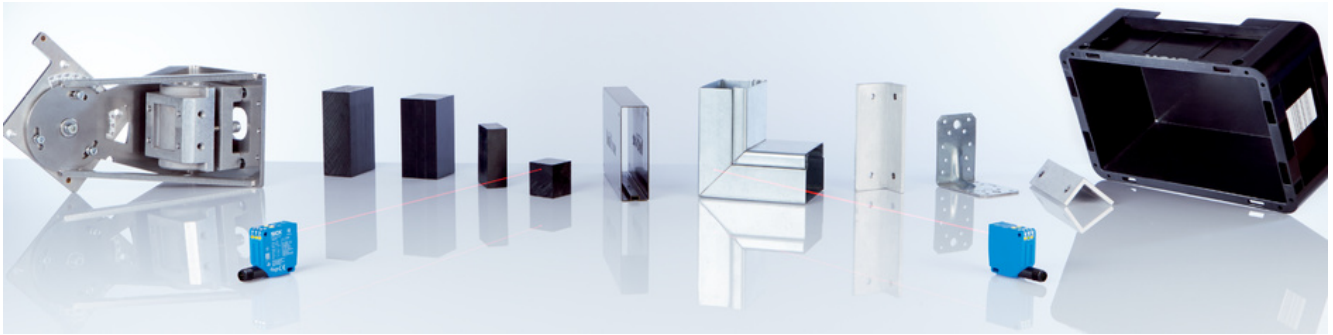

High performance even in tight spaces: Perfect for compact AGV applications

Distance values with millimeter precision and up to eight switching points are available for the automation process via IO-Link

The PowerProx also delivers analog distance data for precise control in mounting technology

Exact detection results in any position

More power isn't possible: The PowerProx achieves outstanding detection results thanks to excellent optics and beam paths. Extreme angles and changing object surfaces are also no problem. The receiver elements of the photoelectric sensor are resistant to background reflections and ambient light.

Ideal for use in mounting technology thanks to precise detection and distance measurement
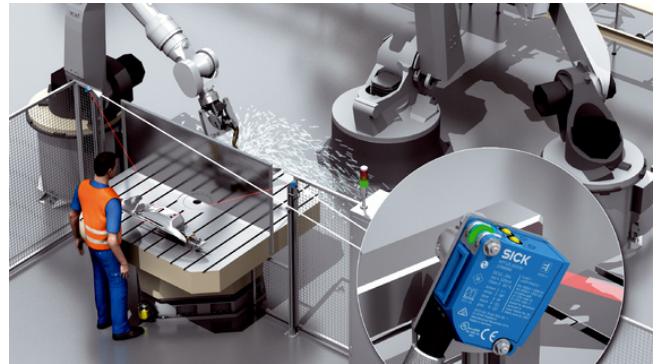
Reliable quality control thanks to high repeatability - even if the surface quality changes

➕ Very high precision: The PowerProx delivers reliable detection results even with jet-black, glossy or changing object surfaces as well as very small and flat objects

Adapted specialists for any application

Everything under one "roof": With the PowerProx, high-precision time-of-flight technology is now available for a wide spectrum of applications for the first time. The reliable detection of very small objects, fast processes or detection over large sensing ranges is no problem for the PowerProx. Corresponding variants offer maximum detection reliability for objects with strongly reflective surfaces. And when space is tight, the very compact WTT2SL and WTT4SL variants ensure maximum performance in a miniature format.
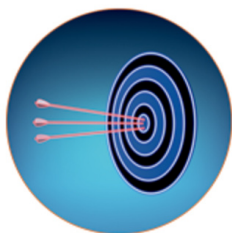
Precisely detects the smallest objects, pockets or recesses

Quick signal processing and high switching frequency for quick processes

With an up to 4 m sensing range, the PowerProx keeps a close eye on even far-away objects

Maximum flexibility: The PowerProx has the right sensor solution for any range of applications, no matter whether very fast, accurate detection or detection at large sensing ranges is required

Reliable detection at high speeds

Processes are getting faster and faster in countless industries. The high switching frequency and quick signal processing of the PowerProx enables powerful detection even at high tempos. In doing so, the photoelectric sensor laser beam detects even high-gloss or jet-black objects at large detection angles.
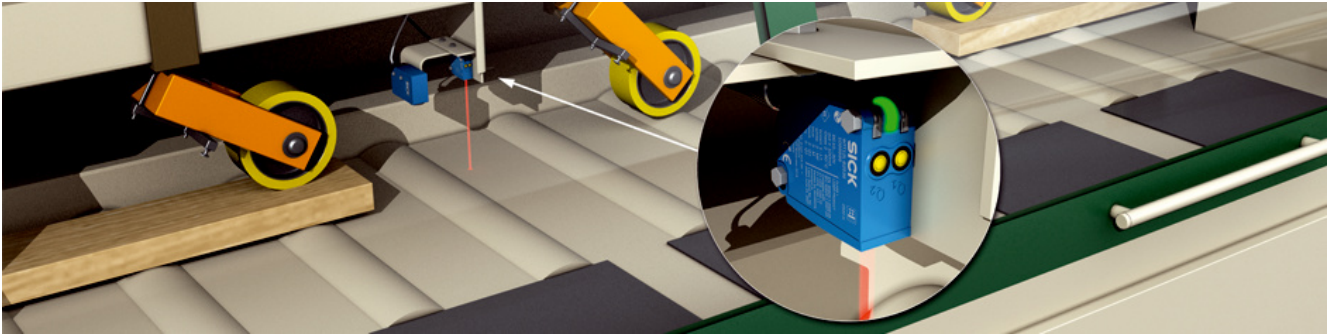
Edge detection in high speed applications due to switching frequencies of up to 1,000 Hz and the high-precision laser beam

+ Very fast tempo: The PowerProx reliably detects objects and edges with nearly no delay, even at high process speeds in production and logistics.

WTT12 PowerProx

Technical data overview

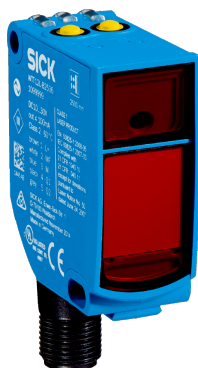|	
Resolution	≥ 1,000 µm
Response time	≤ 5 ms 0.5 ms ... 16.7 ms (depends on variant)
Switching frequency	1,000 Hz 30 Hz 100 Hz [1]
-	
IO-Link	✔, COM2 (38,4 kBaud)
Enclosure rating	IP67

[1] Is not valid for object with < 15% remission at distances > 1.800 mm.

Product description

WTT12 PowerProx photoelectric proximity sensors are characterized by their wide variety of application possibilities. While the PowerProx Distance sensor variant impresses with its reliable object detection at a sensing distance of up to 3.8 m, PowerProx Precision can detect even very small objects. PowerProx Speed sensors impress with their short response time and high switching frequency. These sensor variants are especially suitable for precise object detection at high speeds. Each variant is available in a special version for the detection, in particular, of shiny objects. All WTT12 sensors are based on time-of-flight technology and can be easily adjusted via potentiometer or a teach-in button.

At a glance

• Compact housing design (20 mm x 49.6 mm x 44.2 mm) with sensing distances up to 3.8 m
• Various sensor variants for specific applications
• Potentiometer or teach-in button and well visible, uniform light spot
• Switching frequency up to 1,000 Hz and time-of-flight technology
• Facilities for connecting via analog output and IO-Link interface

Your benefits

• High flexibility when designing machines thanks to space-saving mounting possibilities
• High flexibility thanks to wide variety of application possibilities
• High user-friendliness through easy sensor adjustment and precise sensor alignment
• Reliable object detection even with shiny or jet-black surfaces and background reflections

Ordering information

Other models and accessories ➜ www.sick.com/WTT12_PowerProx

- **Product version:** PowerProx Safety
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Functional principle detail:** Absence of reference object or reference surface

Switching mode	Switching output	Type of light	Adjustment	Connection type	Type	Part no.
Light switching	Push-pull: PNP/NPN	Visible red light	Teach-in button	Plug, M12, 5-pin	WTT12S-C2569	1136898

- **Product version:** PowerProx Safety
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Functional principle detail:** Object between sensor and reference object or reference surface

Switching mode	Switching output	Type of light	Adjustment	Connection type	Type	Part no.
Light switching	Push-pull: PNP/NPN	Visible red light	Teach-in button	Plug, M12, 5-pin	WTT12S-M2569	1136647

- **Product version:** PowerProx Speed Shiny
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1, Q_2
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm ... 1,600 mm
- **Switching output:** push-pull: PNP/NPN
- **Type of light:** visible red light
- **Connection type:** Plug, M12, 5-pin

Adjustment	Type	Part no.
Potentiometer	WTT12L-B2516	1082420
Teach-in button	WTT12L-B2513	1082416

- **Product version:** PowerProx Speed Shiny
- **Analog output:** 4 mA ... 20 mA / 0 V ... 10 V / switchable
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm ... 1,600 mm

Switching output	Type of light	Adjustment	Connection type	Type	Part no.
Push-pull: PNP/NPN	Visible red light	Teach-in button	Plug, M12, 5-pin	WTT12L-A2513	1082476

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- **Product version:** PowerProx Speed Shiny
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1, Q_2
- **Functional principle detail:** Background suppression, Optical time-of-flight, distance value
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm ... 1,600 mm

Switching output	Type of light	Adjustment	Connection type	Type	Part no.
Push-pull: PNP/NPN	Visible red light	Cable, Teach-in button	Plug, M12, 5-pin	WTT12LC-B2513	1082413

- **Product version:** PowerProx Precision Shiny
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q, /Q
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light/dark switching
- **Sensing range max.:** 50 mm ... 1,400 mm

Switching output	Type of light	Adjustment	Connection type	Type	Part no.
Push-pull: PNP/NPN	Visible red light	Teach-in button	Plug, M12, 5-pin	WTT12L-B2522	1085283

- **Product version:** PowerProx Precision Shiny
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1, Q_2
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm ... 1,400 mm
- **Switching output:** push-pull: PNP/NPN
- **Type of light:** visible red light
- **Connection type:** Plug, M12, 5-pin

Adjustment	Type	Part no.
Potentiometer	WTT12L-B2526	1082419
Teach-in button	WTT12L-B2523	1082417

- **Product version:** PowerProx Precision Shiny
- **Analog output:** 4 mA ... 20 mA / 0 V ... 10 V / switchable
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm ... 1,400 mm

Switching output	Type of light	Adjustment	Connection type	Type	Part no.
Push-pull: PNP/NPN	Visible red light	Teach-in button	Plug, M12, 5-pin	WTT12L-A2523	1082477

- **Product version:** PowerProx Precision Shiny
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1, Q_2
- **Functional principle detail:** Background suppression, Optical time-of-flight, distance value
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm ... 1,400 mm

Switching output	Type of light	Adjustment	Connection type	Type	Part no.
Push-pull: PNP/NPN	Visible red light	Cable, Teach-in button	Plug, M12, 5-pin	WTT12LC-B2523	1082414

- **Product version:** PowerProx Speed
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q, /Q
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light/dark switching
- **Sensing range max.:** 50 mm ... 2,500 mm
- **Switching output:** push-pull: PNP/NPN
- **Type of light:** visible red light

Adjustment	Connection type	Type	Part no.
Potentiometer	Plug, M12, 5-pin	WTT12L-B2531	1072609
	Cable with plug M12, 5-pin, 0.3 m [1]	WTT12L-B3531	1072612
	Cable, 5-wire, 2 m [1]	WTT12L-B1531	1072606
Teach-in button	Plug, M12, 5-pin	WTT12L-B2532	1072635
	Cable with plug M12, 5-pin, 0.3 m [1]	WTT12L-B3532	1072638
	Cable, 5-wire, 2 m [1]	WTT12L-B1532	1072632

[1] Do not bend below 0 °C.

- **Product version:** PowerProx Speed
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1, Q_2
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm ... 2,500 mm
- **Switching output:** push-pull: PNP/NPN

Type of light	Adjustment	Connection type	Type	Part no.
Infrared light	Teach-in button	Plug, M12, 5-pin	WTT12L-B2573	1091987

[1] Do not bend below 0 °C.

Type of light	Adjustment	Connection type	Type	Part no.
Visible red light	Potentiometer	Plug, M12, 5-pin	WTT12L-B2536	1072618
			WTT12L-B2538	1072626
		Cable with plug M12, 5-pin, 0.3 m [1]	WTT12L-B3536	1072620
			WTT12L-B3538	1072629
		Cable, 5-wire, 2 m [1]	WTT12L-B1536	1072615
	Teach-in button	Plug, M12, 5-pin	WTT12L-B2533	1072531
			WTT12L-B2537	1072652
		Cable with plug M12, 5-pin, 0.3 m [1]	WTT12L-B3537	1072655
		Cable, 5-wire, 2 m [1]	WTT12L-B1533	1072641
			WTT12L-B1537	1072649

[1] Do not bend below 0 °C.

- **Product version:** PowerProx Speed
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1, Q_2
- **Functional principle detail:** Background suppression, Optical time-of-flight, distance value
- **Switching mode:** Light switching
- **Switching output:** push-pull: PNP/NPN
- **Type of light:** visible red light
- **Adjustment:** cable, Teach-in button

Sensing range max.	Connection type	Type	Part no.
50 mm … 2,500 mm	Plug, M12, 5-pin	WTT12LC-B2533	1072658
	Cable with plug M12, 5-pin, 348 mm	WTT12LC-B3533	1124550
75 mm … 1,300 mm	Plug, M12, 5-pin	WTT12LC-B2533S02	1080611

- **Product version:** PowerProx Speed
- **Analog output:** 4 mA … 20 mA / 0 V … 10 V / switchable
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm … 2,500 mm

Switching output	Type of light	Adjustment	Connection type	Type	Part no.
Push-pull: PNP/NPN	Visible red light	Teach-in button	Plug, M12, 5-pin	WTT12L-A2533	1082472

- **Product version:** PowerProx Distance Shiny
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q, /Q
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light/dark switching
- **Sensing range max.:** 50 mm … 2,200 mm

Switching output	Type of light	Adjustment	Connection type	Type	Part no.
Push-pull: PNP/NPN	Visible red light	Teach-in button	Plug, M12, 5-pin	WTT12L-B2502S06	1090895

- **Product version:** PowerProx Distance Shiny
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1, Q_2
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light switching
- **Switching output:** push-pull: PNP/NPN
- **Type of light:** visible red light
- **Connection type:** Plug, M12, 5-pin

Sensing range max.	Adjustment	Type	Part no.
50 mm ... 1,800 mm	Potentiometer	WTT12L-B2556	1082418
	Teach-in button	WTT12L-B2553	1082415
		WTT12L-B2553S28	1121743
50 mm ... 2,200 mm	Teach-in button	WTT12L-B2503S05	1088544

- **Product version:** PowerProx Distance Shiny
- **Analog output:** 4 mA ... 20 mA / 0 V ... 10 V / switchable
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm ... 1,800 mm

Switching output	Type of light	Adjustment	Connection type	Type	Part no.
Push-pull: PNP/NPN	Visible red light	Teach-in button	Plug, M12, 5-pin	WTT12L-A2553	1082475

- **Product version:** PowerProx Distance Shiny
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1, Q_2
- **Functional principle detail:** Background suppression, Optical time-of-flight, distance value
- **Switching mode:** Light switching
- **Switching output:** push-pull: PNP/NPN
- **Type of light:** visible red light
- **Adjustment:** cable, Teach-in button
- **Connection type:** Plug, M12, 5-pin

Sensing range max.	Type	Part no.
50 mm ... 1,800 mm	WTT12LC-B2553	1082412
50 mm ... 2,200 mm	WTT12LC-B2553S25	1117934

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- **Product version:** PowerProx Distance
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q, /Q
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light/dark switching
- **Sensing range max.:** 50 mm ... 3,800 mm
- **Switching output:** push-pull: PNP/NPN
- **Type of light:** visible red light

Adjustment	Connection type	Type	Part no.
Potentiometer	Plug, M12, 5-pin	WTT12L-B2561	1072611
	Cable with plug M12, 5-pin, 0.3 m [1]	WTT12L-B3561	1072614
	Cable, 5-wire, 2 m [1]	WTT12L-B1561	1072608
Teach-in button	Plug, M12, 5-pin	WTT12L-B2562	1072637
	Cable with plug M12, 5-pin, 0.3 m [1]	WTT12L-B3562	1072640
	Cable, 5-wire, 2 m [1]	WTT12L-B1562S26	1120027
		WTT12L-B1564	1094007
		WTT12L-B1562	1072634
Cable, Teach-in button	Cable with plug M12, 5-pin, 0.3 m [1]	WTT12L-B3564S18	1108354

[1] Do not bend below 0 °C.

- **Product version:** PowerProx Distance
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1, Q_2
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm ... 3,800 mm
- **Switching output:** push-pull: PNP/NPN

Type of light	Adjustment	Connection type	Type	Part no.
Infrared light	Teach-in button	Plug, M12, 5-pin	WTT12L-B2593	1091984
			WTT12LC-B2593	1111797

[1] Do not bend below 0 °C.

Type of light	Adjustment	Connection type	Type	Part no.
Visible red light	Potentiometer	Plug, M12, 5-pin	WTT12L-B2566	1072619
			WTT12L-B2568	1072628
		Cable with plug M12, 5-pin, 0.3 m [1]	WTT12L-B3566	1072622
			WTT12L-B3568	1072631
		Cable, 5-wire, 2 m [1]	WTT12L-B1566	1072617
			WTT12L-B1568	1072625
	Teach-in button	Plug, M12, 5-pin	WTT12L-B2563	1072645
			WTT12L-B2567S13	1100200
			WTT12L-B2567	1072654
		Cable with plug M12, 5-pin, 0.3 m [1]	WTT12L-B3563	1072648
			WTT12L-B3567	1072657
		Cable, 5-wire, 2 m [1]	WTT12L-B1563	1072643
			WTT12L-B1567	1072651

[1] Do not bend below 0 °C.

- **Product version:** PowerProx Distance
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1, Q_2
- **Functional principle detail:** Background suppression, Optical time-of-flight, distance value
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm ... 3,800 mm
- **Switching output:** push-pull: PNP/NPN
- **Type of light:** visible red light

Adjustment	Connection type	Type	Part no.
Teach-in button	Cable with plug M12, 5-pin, 0.3 m [1]	WTT12LC-B3563	1090607
Cable, Teach-in button	Plug, M12, 5-pin	WTT12LC-B2563S11	1098031
		WTT12LC-B2563S12	1098032
		WTT12LC-B2563S15	1103345
		WTT12LC-B2563S21	1108976
		WTT12LC-B2563	1072532
	Cable, 5-wire, 2 m [1]	WTT12LC-B1563	1103602

[1] Do not bend below 0 °C.

- **Product version:** PowerProx Distance
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light/dark switching
- **Sensing range max.:** 50 mm ... 3,800 mm

Switching output	Type of light	Adjustment	Connection type	Type	Part no.
Push-pull: PNP/NPN	Visible red light	Teach-in button	Plug, M12, 5-pin	WTT12L-B2563S17	1107086

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- **Product version:** PowerProx Distance
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Jam time, Q_2
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm ... 3,800 mm

Switching output	Type of light	Adjustment	Connection type	Type	Part no.
Push-pull: PNP/NPN	Visible red light	Teach-in button	Plug, M12, 5-pin	WTT12L-B2560S46	1139590

- **Product version:** PowerProx Distance
- **Analog output:** 4 mA ... 20 mA / 0 V ... 10 V / switchable
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm ... 3,800 mm
- **Switching output:** push-pull: PNP/NPN
- **Type of light:** visible red light
- **Adjustment:** Teach-in button

Connection type	Type	Part no.
Plug, M12, 5-pin	WTT12L-A2563	1082474
	WTT12L-A2563S29	1124065
	WTT12L-A2563S44	1149254
Cable, 5-wire, 2 m [1]	WTT12L-A1563	1128481

[1] Do not bend below 0 °C.

- **Product version:** PowerProx Precision
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q, /Q
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light/dark switching
- **Sensing range max.:** 50 mm ... 1,800 mm
- **Switching output:** push-pull: PNP/NPN
- **Type of light:** visible red light

Adjustment	Connection type	Type	Part no.
Potentiometer	Plug, M12, 5-pin	WTT12L-B2541	1072610
	Cable with plug M12, 5-pin, 0.3 m [1]	WTT12L-B3541	1072613
	Cable, 5-wire, 2 m [1]	WTT12L-B1541	1072607
Teach-in button	Plug, M12, 5-pin	WTT12L-B2542	1072636
	Cable with plug M12, 5-pin, 0.3 m [1]	WTT12L-B3542	1072639
	Cable, 5-wire, 2 m [1]	WTT12L-B1542	1072633

[1] Do not bend below 0 °C.

- **Product version:** PowerProx Precision
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1, Q_2
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Sensing range max.:** 50 mm ... 1,800 mm
- **Switching output:** push-pull: PNP/NPN

Switching mode	Type of light	Adjustment	Connection type	Type	Part no.
Dark switching	Infrared light	Teach-in button	Plug, M12, 5-pin	WTT12L-B2583S47	1150493
Light switching	Infrared light	Teach-in button	Plug, M12, 5-pin	WTT12L-B2583	1091989
	Visible red light	Potentiometer	Plug, M12, 5-pin	WTT12L-B2546	1072530
				WTT12L-B2548	1072627
			Cable with plug M12, 5-pin, 0.3 m [1]	WTT12L-B3546	1072621
				WTT12L-B3548	1072630
			Cable, 5-wire, 2 m [1]	WTT12L-B1546	1072616
				WTT12L-B1548	1072624
		Teach-in button	Plug, M12, 5-pin	WTT12L-B2543	1072644
				WTT12L-B2547	1072653
			Cable with plug M12, 5-pin, 0.3 m [1]	WTT12L-B3543	1072647
				WTT12L-B3547	1072656
			Cable, 5-wire, 2 m [1]	WTT12L-B1543	1072642
				WTT12L-B1547	1072650

[1] Do not bend below 0 °C.

- **Product version:** PowerProx Precision
- **Analog output:** -
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1, Q_2
- **Functional principle detail:** Background suppression, Optical time-of-flight, distance value
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm ... 1,800 mm
- **Switching output:** push-pull: PNP/NPN
- **Type of light:** visible red light
- **Adjustment:** cable, Teach-in button
- **Connection type:** Plug, M12, 5-pin

Type	Part no.
WTT12LC-B2543B01	1091309
WTT12LC-B2543S23	1115431
WTT12LC-B2543	1072659

- **Product version:** PowerProx Precision
- **Analog output:** 4 mA ... 20 mA / 0 V ... 10 V / switchable
- **Functional principle:** Photoelectric proximity sensor
- **Number of switching outputs (type):** Q_1
- **Functional principle detail:** Background suppression, Optical time-of-flight
- **Switching mode:** Light switching
- **Sensing range max.:** 50 mm ... 1,800 mm
- **Switching output:** push-pull: PNP/NPN
- **Type of light:** visible red light
- **Adjustment:** Teach-in button

Connection type	Type	Part no.
Plug, M12, 5-pin	WTT12L-A2543	1082473
	WTT12L-A2543S09	1093543
Cable with plug M12, 5-pin, 0.3 m [1]	WTT12L-A3543	1095504

[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."

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