



L25

Flexible machine safeguarding for type 2 applications

SICK
Sensor Intelligence.



Technical data overview

Safety level	PL c, SIL 1, Type 2
Scanning range	20 m
Light sender/type of light	LED / Near-infrared (NIR), invisible PinPoint LED / red light, visible
Construction size	20 mm x 42 mm x 55.4 mm
Supply voltage	24 V DC (19.2 V DC ... 28.8 V DC)
Enclosure rating	IP66 (IEC 60529) IP67 (IEC 60529) IP69K (ISO 20653)
Ambient operating temperature	-40 °C ... +60 °C

Product description

The L25 and L26 product families from SICK represent a new generation of single-beam photoelectric safety switch for type 2 applications, which, in combination with an external test device, facilitate operations and make processes safer and more efficient. Thanks to the innovative BluePilot operating concept with feedback LED, the alignment of sender and receiver is easier than ever. Smart Sensor diagnostic functions provide insight into the status of each individual sensor at all times, thus creating the basis for efficient communication. Thanks to the ultra rugged VISTAL® housing and predictive maintenance, the L25 and L26 are extremely reliable and prevent unscheduled machine downtime.

At a glance

- BluePilot: optical alignment aid
- Smart Sensor: efficient communication with IO-Link
- Ultra rugged VISTAL® housing
- Enclosure rating: IP66, IP67 and IP69K
- Typical scanning range of up to 20 m
- Type of light: IR light and visible red light
- Standardized connection and mounting systems
- Type 2, PL c, SIL1

Your benefits

- Quick and precise alignment of the sender and the receiver thanks to the PinPoint LED in combination with BluePilot
- Increased productivity: Smart Sensor diagnostic functions always available via IO-Link
- Cost efficiency: IP66, IP67 and IP69K guarantee a long service life. The ultra rugged VISTAL® housing withstands extreme environmental influences with ease
- Flexibility: The large scanning range of up to 20 m enables more application possibilities
- High availability: IR light and red light variants prevent interference and a superimposition of sensor signals
- Easy order processing thanks to the standardized connection and mounting systems

Fields of application

- Machine tools: access protection and area safeguarding
- Consumer goods: access protection for cutting machines
- Storage and conveyor (intralogistics): access protection for mobile storage systems (high-bay warehouse)

Ordering information

Other models and accessories → www.sick.com/L25

Scanning range	Type of light	Light source	Sender		Receiver	
			Type	Part no.	Type	Part no.
20 m	Near-infrared (NIR), invisible	LED	WSO16I-243ZZ1A0ZZZZLLZZZZZZZ1	2113103	WEO16I-2416R500A00ZLLZZZZZZZ1	2113105
	Red light, visible	PinPoint LED	WSO16P-243ZZ1A0ZZZZLLZZZZZZZ1	2113101	WEO16P-2416R500A00ZLLZZZZZZZ1	2113102

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