



L27

Standard type and long ranges for safety applications up to type 2

SICK
Sensor Intelligence.



Technical data overview

Safety level	PL c, SIL 1, Type 2
Scanning range	35 m
Light sender/type of light	LED / visible red light
Construction size	24.6 mm x 92.8 mm x 54 mm
Supply voltage	24 V DC (19.2 V DC ... 28.8 V DC)
Enclosure rating	IP67 (EN 60529)
Ambient operating temperature	-40 °C ... +60 °C

Product description

The L27 single-beam photoelectric safety switch consists of a sender and receiver. The test input of the sender allows direct functional tests. Performance level PL c in acc. with EN ISO 13849-1 or Type 2 in acc. with IEC 61496 can be achieved in conjunction with an evaluation unit. Suitable evaluation units are, for example, Flexi Classic or Flexi Soft. Color LEDs provide local information about the operational status. The required range can be selected from various device versions. All versions are suitable for outdoor applications and enable even complex safeguarding tasks to be accomplished by using deflector mirrors.

At a glance

- Type 2 (IEC 61496), SIL1 (IEC 61508), PL c (EN ISO 13849), only in conjunction with suitable testing device, e.g., Flexi Classic or Flexi Soft
- Compact size with ranges up to 35 m
- Integrated heating
- Enclosure rating IP 67
- Temperature range from -40 °C to +60 °C

Your benefits

- Easy integration due to small, compact designs with maximum sensing range
- Cost savings due to the facility to connect directly to a safe controller
- Flexible device integration makes it possible to set up individual access protection solutions
- Well-suited to extreme ambient conditions such as heat, cold or moisture

Fields of application

- Access or area protection in warehouse/conveyor systems
- Monitoring of doors and service openings on machines

Ordering information

Other models and accessories → www.sick.com/L27

Scanning range	Housing material	Front screen heating	Sender		Receiver	
			Type	Part no.	Type	Part no.
35 m	ABS (plastic)	✓	L27S-3D2450	2043877	L27E-3P2450	2043876
		-	L27S-3D2430	2043906	L27E-3P2430	2043904
		-	L27S-3D3730	2043859	L27E-3P3730	2043858

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