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PRODUCT OVERVIEW

L21

Safety light-beam sensors

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SAFETY SINGLE-BEAM SENSORS

L21

Cylindrical design for safety applications up to type 2

The L21 single-beam photoelectric safety switch consists of a sender and receiver. The test input on 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 a safety controller. Suitable safety controllers 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.

L21 AT A GLANCE

BENEFITS

- Easy integration due to small, compact versions with maximum range
- Directly connect to a safety controller – reducing costs
- Flexible device integration makes it possible to set up individual access protections
- Well suited to withstand extreme ambient conditions such as heat, cold or moisture

FEATURES

- Type 2 (IEC 61496), SIL1 (IEC 61508), PL c (EN ISO 13849), only in conjunction suitable testing device, e.g., Flexi- Classic or Flexi Soft
- Small M18 sensors with ranges up to 10 m
- Compact M30 sensors with ranges up to 60 m
- Enclosure rating IP 67
- Temperature range from –40 °C ... 55 °C
- Metal and plastic version
- Radial optics (90° deflector mirror)
- Straightforward diagnostics and service

TECHNICAL DATA OVERVIEW

Safety level	PL c, SIL 1, Type 2
Scanning range	7 m ... 84 m
Construction size	M18 / M30, 107.7 mm 97.7 mm 85.3 mm 100 mm
Supply voltage	24 V DC (19.2 V DC ... 28.8 V DC)
Enclosure rating	IP67 (EN 60529)
Ambient operating temperature	–40 °C ... +55 °C

Select the right product variant and accessories directly online. There you will also find example applications as well as downloads such as CAD dimensional models, operating instructions and software.
www.sick.com/L21

SICK AG
WALDKIRCH
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnership with our customers is more than just a promise: Together, we optimize productivity, elevate quality, protect health and safety, and sustain the future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions.

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