



PRODUCT OVERVIEW

i110 Lock

Safety switches

SICK

Sensor Intelligence



SAFETY LOCKING DEVICES

i110 Lock

Rugged electro-mechanical safety locking device with door monitoring

The i110 Lock safety locking device is used for keeping guards safely locked until a hazardous area can be entered. The locking device has a narrow housing made from plastic and a rugged metal actuator head. This allows the i110 Lock safety switch to achieve the highest restraint forces in this product family.

i110 Lock AT A GLANCE

BENEFITS

- Small design simplifies installation and makes it easy to mount directly on the guard door frame
- Flexible electrical connectivity due to three cable entry glands
- Improved diagnostics due to additional contacts for door monitoring
- Simple adjustment due to various actuators that are suitable for any door
- Different switching elements offer the appropriate solution for electrical installation
- Rugged metal housing provides increased machine reliability, even when the guard has a mechanical offset
- Flexi Loop now enables a safe series connection with enhanced diagnostics capabilities and minimal wiring effort.

FEATURES

- Narrow plastic housing
- Metal actuator head
- Rigid or mobile actuators
- Available with M20 X 1.5 cable entry glands or Flexi Loop-compatible M12 plug connector (depending on variant)
- Power to lock or power to release variants
- Lock and door monitoring

TECHNICAL DATA OVERVIEW

Type	Type 2, electro-mechanical (EN ISO 14119)
Actuator coding level	Low coding level (EN ISO 14119)
Type of output	Electro-mechanical contacts
Locking principle	Power to lock / power to release
Locking monitoring	✓
Door monitoring	✓
Locking force F_{Zh}	2,000 N (EN ISO 14119) ¹⁾
Escape release	-
Connection type	Cable gland, 3 x M20 Plug connector, M12, 8-pin
LED	-

¹⁾ 1150 N with angled actuator.

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/i110_Lock



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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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