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PRODUCT OVERVIEW

i12S

Safety switches

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ELECTRO-MECHANICAL SAFETY SWITCHES

i12S

Small electro-mechanical safety switch with retaining force for doors

Safety switches with a separate actuator are made up of two parts: a safety switch that is mounted on the fixed part and an actuator that is mounted on the mobile part of the guard. When the guard is closed, the actuator is moved into the safety switch. This achieves the safe status and the safety-relevant contacts are closed. These devices are ideal for protecting sliding and rotating doors, as well as removable protective covers. The i12S safety switch with a separate actuator is characterized by its miniature design, which makes direct mounting on the framework quick and easy.

i12S AT A GLANCE

BENEFITS

- Cost-effective solution for all standard safety applications
- Small design simplifies installation and makes it easy to mount directly on the guard door frame
- High reliability and safety due to the cone shaped metal alignment aid
- Flexi Loop now enables a safe series connection with enhanced diagnostics capabilities and minimal wiring effort.

FEATURES

- Narrow plastic housing
- Rigid and mobile actuators
- Available with M16 X 1.5 cable entry gland or Flexi Loop-compatible M12 plug connector (depending on variant)
- Slow-action switching element with up to three contacts
- IP 67 enclosure rating

TECHNICAL DATA OVERVIEW

Safety task	Safe monitoring of doors and flaps
Type	Type 2 (EN ISO 14119)
Actuator coding level	Low coding level (EN ISO 14119)
Switch type	Safety switches with separate actuator
Functional principle	Electro-mechanical
Type of output	Electro-mechanical contacts
Positive action N/C contacts	1 / 2
Normally open contact	0 / 1
Switching principle	Slow action switching element
Retaining force	6 N, 12 N
Connection type	Plug connector, M12, 4-pin Cable gland, 1 x M16
LED	–
Safe series connection	With Flexi Loop (with diagnostics) None, only individual wiring (with diagnostics)
Housing material	Plastic
Enclosure rating	IP67

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/i12S

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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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