



i12S

Small electro-mechanical safety switch with retaining force for doors

SICK
Sensor Intelligence.



Technical data overview

Switch type	Safety switches with separate actuator
Number of positive action N/C contacts	1 / 2 (depending on type)
Number of N/O contacts	1 / 0 (depending on type)
Housing material	Plastic
Enclosure rating	IP67 (IEC 60529)
Switching principle	Slow action switching element
Connection type	Cable gland, 1 x M16 / plug connector, M12, 4-pin (depending on type)
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Product description

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.

At a glance

- 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

Your 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.

Fields of application

- Safe monitoring of rotatable guards, such as swivel doors and gates
- Safe monitoring of laterally sliding guards, such as sliding doors and fences
- Safe monitoring of removable guards

Ordering information

Other models and accessories → www.sick.com/i12S

- **System part:** sensor
- **Housing material:** plastic

Number of positive action N/C contacts	Number of N/O contacts	Connection type Detail	Safe series connection	Retaining force	Type	Part no.
1	1	Cable gland, 1 x M16	None, only individual wiring (with diagnostics)	≤ 6 N	i12-SA113	6025057
2	0	Cable gland, 1 x M16	None, only individual wiring (with diagnostics)	≤ 6 N	i12-SA203	6025100
		Plug connector, M12, 4-pin		With Flexi Loop (with diagnostics)	≤ 6 N	i12-SA205
	≤ 15 N		i12-SB215		1064507	
	1	Cable gland, 1 x M16	None, only individual wiring (with diagnostics)	≤ 15 N	i12-SB213	6025059

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