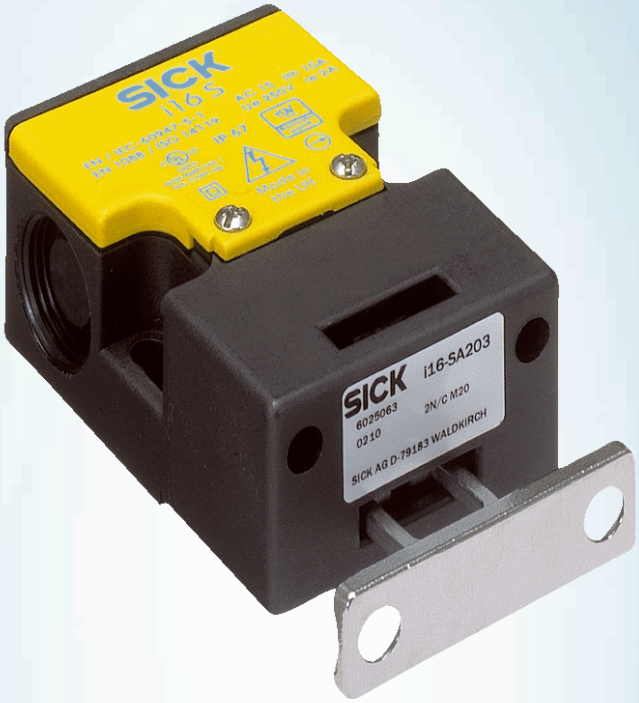
Product family overview



i16S

Compact 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, 3 x M20 / 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 i16S safety switch with a separate actuator has a high locking force that is resistant to shocks and vibrations, which increases machine availability.

At a glance

- Compact plastic housing
- Rigid and mobile actuators
- Available with M20 X 1.5 cable entry glands or Flexi Loop-compatible M12 plug connector (depending on variant)
- Slow-action switching elements with two contacts
- High retaining force
- IP 67 enclosure rating

Your benefits

- High availability and safety due to the cone shaped alignment aid
- High retaining force offers machine reliability, even when exposed to shock and vibration
- Flexible electrical connectivity due to three cable entry glands
- 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/i16S

- **System part:** sensor
- **Housing material:** plastic
- **Retaining force:** ≤ 30 N

Number of positive action N/C contacts	Number of N/O contacts	Connection type Detail	Safe series connection	Type	Part no.
1	1	Cable gland, 3 x M20	None, only individual wiring (with diagnostics)	i16-SA113	6025065
2	0	Cable gland, 3 x M20		i16-SA203	6025063
		Plug connector, M12, 4-pin	With Flexi Loop (with diagnostics)	i16-SA205	1064508

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