



## i110R

Rugged electro-mechanical safety position switch with turning lever

**SICK**  
Sensor Intelligence.



## Technical data overview

<b>Switch type</b>	Safety position switches
<b>Number of positive action N/C contacts</b>	1 / 2 / 3 (depending on type)
<b>Number of N/O contacts</b>	1 / 2 (depending on type)
<b>Housing material</b>	Metal
<b>Enclosure rating</b>	IP66 (IEC 60529)
<b>Switching principle</b>	Snap action switching element / slow action switching element (depending on type)
<b>Connection type</b>	Cable gland, 1 x M20
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## Product description

Safety position switches are used for reliably identifying dangerous movements, even at high speeds. The i110R safety position switch offers a standardized housing made from die-cast zinc and a metal turning lever with a plastic roller. The turning lever can be actuated with high torques, ensuring the entire safety switch withstands harsh system use. Its different switching elements provide optimum electrical connectivity.

## At a glance

- Standardized metal housing
- Metal turning lever with plastic roller
- 1 M20 x 1.5 cable entry gland
- Slow-action or snap-action switching element with up to four contacts

## Your benefits

- Standard device design provides quick and easy mounting
- High availability due to rugged metal housing
- Different switching elements offer the appropriate solution for electrical installation
- Improved diagnostics due to additional signaling contacts

## Fields of application

- Position determination of dangerous movements
- Safe monitoring of rotatable guards, such as swivel doors and gates
- Safe monitoring of laterally sliding guards, such as sliding doors and fences

## Ordering information

Other models and accessories → [www.sick.com/i110R](http://www.sick.com/i110R)

- **Actuating element type:** Turning lever
- **Housing material:** metal

Number of positive action N/C contacts	Number of N/O contacts	Type	Part no.
1	1	i110-RA123	6025109
2	2	i110-RA223	6025108
3	1	i110-RA313	6025107

## 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](http://www.sick.com)