



i110P

Rugged electro-mechanical safety position switch with roller plunger

SICK
Sensor Intelligence.



Technical data overview

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

Safety position switches are used for reliably identifying dangerous movements, even at high speeds. The i110P safety position switch features a die-cast zinc housing, making it a more durable safety solution. Its roller plunger with stainless steel roller makes it ideal for high actuator forces. Plus, its different switching elements offer optimum electrical connectivity.

At a glance

- Standardized metal housing
- Roller plunger with stainless steel 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/i110P

- **Actuating element type:** Roller plunger
- **Housing material:** metal

Number of positive action N/C contacts	Number of N/O contacts	Type	Part no.
1	1	i110-PA123	6025106
2	2	i110-PA223	6025105
3	1	i110-PA313	6025104

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