

Safety Switches



Hinge Switches



Locking Switches



- One-piece sensor and actuator with hinge function
- Fast installation and set-up with repositionable safety switch point
- Stainless steel and IP69 available
- Matching hinges without sensing available for additional door support
- Available with up to 270° safety switch point operation range



- Two-piece design with up to 2000N locking force for safety or process critical applications
- Flexible actuator options for misalignment
- Rotatable heads for flexible installation
- Mechanically coded actuator to minimize tampering
- Up to 15N latching force to position door prior to locking

Mechanical Switches



- Two-piece design with mechanical operator feedback
- Flexible actuator options for misalignment
- Rotatable heads for flexible installation
- Mechanically coded actuator to minimize tampering
- Up to 15N latching force to reduce downtime due to vibrating doors
- One-piece limit switches available

Non-Contact Switches



- Two-piece design where sensor and actuator do not contact
- In-Series Diagnostics (ISD) provides users with data from each sensor in a cascade chain
- Cascade up to 32 sensors while achieving the highest level of safety
- Accommodating to misalignment
- IP69 solutions available
- Available with the highest level of tamper resistance

Non-Contact Safety Switches



RFID SI-RF Switches

Safety switches respond when a mechanical guard is opened. They feature “positive opening” contacts for high reliability regardless of environmental conditions and withstand attempts to override the switch and defeat the system.

RFID SI-RF Switches – Cascade



Single door RFID non-contact gate/door sensing solution

- Basic, medium and high tamper resistance
- Misalignment tolerance of 10 mm
- Resistant to high vibration and operations with metallic shavings
- On-board LED for status and diagnostics



Multiple door RFID non-contact gate/door sensing solution

- Basic, medium and high tamper resistance
- Misalignment tolerance of 10 mm
- Resistant to high vibration and operations with metallic shavings
- On-board LED for status and diagnostics
- Connect up to 32 sensors in cascade while maintaining the the highest level of safety

RFID SI-RF Switches – Cascade and ISD



Multiple door RFID non-contact gate/door sensing solution



In-Series Diagnostics (ISD) provides users with status and performance data from each sensor in a cascade chain. The ISD data collected is converted to IO-Link so it can be accessed with an HMI or similar device. Users receive notification when an event has occurred as well as where in the series the event occurred. Events include the opening or closing of a door, door misalignment, wrong actuator, and a number of switch health attributes.













Safety Switches Selection

Choose a safety switch.

- Magnetic safety switches
- Plastic or metal compact safety switches
- Hinge safety switches
- Guard locking safety switches
- Rotary Lever, Plunger, Roller and Spindle-Mount Safety Limit Switches



| Non-Contact Switches | |
|---|---|
| Magnetic | RFID |
| SI-MAG | SI-RF |
|  |  |

| | | | |
|--|---|------------------------|----------|
| Non-Locking |  | ✓ | ✓ |
| Locking |  | | |
| Position |  | ✓ | ✓ |
| Contacts |  | 1 NC/1 NO | OSSD PNP |
| Locking or Unlocking Power |  | | |
| Straight Rigid In-Line |  | | |
| Rigid In-Line |  | | |
| Flexible In-Line |  | | |
| High-Force Accessory |  | | |
| LED Status Indication |  | | ✓ |
| Cascadable |  | | ✓ |
| ISD (In-Series Diagnostics) |  | | ✓ |
| Coding level/ Manipulation protection EN ISO 14119 | Low coding | Unique/Low/High coding | |
| Housing Material | Plastic | Plastic | |
| Locking | | | |
| Actuation Extraction Force | | | |