

Mechanical safety devices



Mechanical safety devices meet global requirements for industrial applications. Standardized sizes and functions not only facilitate the selection of the right device, but also ensures easy and efficient stocking, installation, wiring and maintenance.

Product overview

Siemens lines of mechanical safety devices include cable-operated switches, interlock switches, magnetic monitoring systems and hinge switches.

Top five selling points

- 1. Global acceptance** – In addition to meeting North American certifications (UL, CSA), Siemens line of mechanical safety devices are also suitable for export due to CE marking, TÜV, IEC and ISO Standards.
- 2. Safety related components meet high safety standards and are TÜV certified accordingly** – up to PL e / SIL3 / Cat. 4.
- 3. Network Connectivity** – Most mechanical safety related devices can be connected to network based systems, such as AS-interface. This can save a significant amount of installation time.
- 4. Available from a single source** – Whether a traditional hard-wired or networked system, Siemens can provide virtually all the components and software for detection, evaluation and reaction.
- 5. Service and Support** – From local and regional sales support to specific product support, Siemens can assist with risk analysis, assessment, consulting, product and application support, and training.

Product features and benefits

- Cable-operated switches – Six variations with 18 selections to choose from
- Interlock switches with separate actuator – used where the position of doors, covers or protective grills must be monitored
- Interlock switches with solenoid locking – Restrict or prevent unforeseen or intentional opening of protective doors, grills or other covers while a dangerous situation is present
- Magnetic and RFID monitoring systems – Designed for mounting on moveable protective guards such as covers, hinge switches, doors, etc.
- Two-hand control – Used with machines and systems that have hazardous areas in order to direct both hands of the operator to one safe position
- Hinge switches – Used where the position of swiveling protective devices such as doors or flaps must be monitored
LED variants also available for better diagnostics
- AS-interface communication option available for easy integration into standard and failsafe PLC systems