



Siemens Protection

Enhancing man and machine safety in your workplace is now crucial to your company's success. Plus, manufacturers who wish to compete in European markets must now meet or exceed European Union (EU) safety directives.

Siemens is a leader in protection and productivity. Through our broad line of SIGUARD Safety Integrated products including electromechanical sensors, optical devices and safety relay devices, we help businesses throughout the world improve machine safety while enhancing productivity.

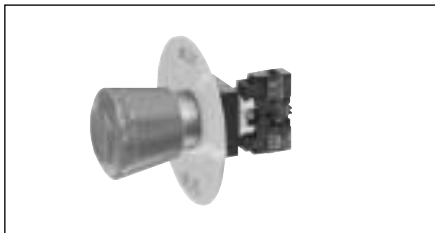
No matter how unique your needs or difficult your application, Siemens can help. Our global resources and experience assure there is a SIGUARD product designed to meet virtually every safety and control application while meeting the most stringent international safety standards.

Stringent Safety Standards

Siemens safety devices are specifically designed to meet and exceed the stringent safety requirements mandated by the European directive for machine safety, as specified in various European standards, such as EN 60418, EN 60954, EN 61050, etc. They also meet the safety requirements outlined in the NFPA 79, OSHA regulations 1910 and other current North American standards.

E-Stop

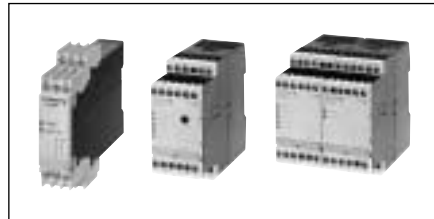
The most common safety circuit application. SIGUARD E-stop, rope pull and push button switches are designed for reliability and long life in the most adverse conditions. All SIGUARD E-stop devices exceed EN 418, the common CE standard for Emergency Stop functions.



E-Stop Devices

Safety Relay Units

SIGUARD 3TK28 Safety Relays provide the reliable link necessary to make each safety circuit complete. SIGUARD offers a comprehensive line of safety relays to meet virtually any application requirement. These relays are designed in applications demanding safety levels through Category 4 (EN 954-1).



Safety Relay Units

Optical Safety Devices

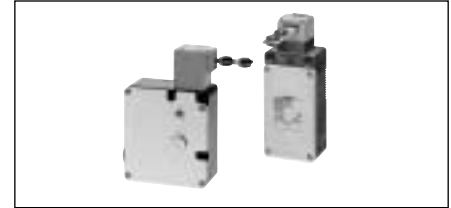
SIGUARD light curtains and light beams are highly effective safety solutions where non-contact monitoring of hazardous environments is required. SIGUARD 3RG78 devices meet IEC 61496-1 & -2 and may be used in a wide range of applications requiring safety levels through Category 4 (EN 954-1).



SIGUARD Light Curtain

Protective Door Devices

SIGUARD limit switches and safety magnet devices are used with protective doors to prevent access to hazardous areas while a machine is operational. Safety door switches with a separate actuator are available to provide special protection against tampering. Interlockable. Easy to install.



Protective Door Devices

Important Notice

The products described herein are designed to be components of a customized machinery safety-oriented control system. A complete safety-oriented system may include safety sensors, evaluators, actuators and signaling components. It is the responsibility of each company to conduct its own evaluation of the effectiveness of the safety system by trained individuals. Siemens AG, its subsidiaries and affiliates (collectively "Siemens") are not in a position to evaluate all of the characteristics of a given machine or product.

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