INTRODUCING

SAFETY RANGE

TE connectivity provides a safety range designed to ensure the protection of humans, machinery, and the environment. These reliable solutions provide a large coverage of safety requirements in the fields of industrial automation, robotics, and machinery. The TE safety range is composed of SLC light curtains that offer reliable sensing and monitoring of functional safety and SR safety relays that make the interface between safety light curtains or OSSD (Output signal switching device) and control circuits or equipment of the machine or plant.



LIGHT CURTAINS

Safety Light Curtains provide reliable and cost-effective access protection for hazardous points and hazardous areas. Depending on the variant, different machine functions are integrated or can be selected via safe control solutions.

FEATURES

- Finger, hand and body protection
- Includes models with integrated safety functions such as self-monitoring static outputs, control of external contactors (EDM), and selectable automatic or manual restart. 2 safety PNP static outputs
- The resolution of a light curtain is the minimum size of an object that, placed into the controlled area

KEY BENEFITS

- Fast and easy termination, flexibility
- High level safety protection

APPLICATIONS

- Automation Controls
- Semi Conductor Machinery

ELECTRICAL

- Power supply (VDC) 24 ± 20%

MECHANICAL

- Protected height: 160 to 2260 mm
- Resolution: 14/20/30/40/50/90 mm

STANDARDS

IP rating: IP65 IP67

SPECIFICATIONS

Safety level

- Type 4 - PL e - SIL 3 - SILCL 3 - Cat. 4
- Type 2 SIL 1 - SILCL 1 | PL c - Cat. 2

LEARN MORE

- Safety Light Curtains landing page
- Safety Light Curtains flyer
- Safety Light Curtains partlist
- Safety Light Curtains product images
- Safety Light Curtains presentation

SAFETY RELAYS

The Safety Relays are a dedicated interface between safety light curtains, equipped with self-controlled safety static outputs, and control circuits of the machine or plant.

FEATURES

- Different safety functions selectable via rotary switch
- Selectable manual or automatic restart
- Type 2 and Type 4 Safety Relays approved in accordance with:
  - EN IEC 61496-1 and UL No. E343620
- EDM feedback input

KEY BENEFITS

- Ease of use and flexible solution for the application
- Highest safety grades
- Reliability

APPLICATIONS

- Automation Controls
- Semi Conductor Machinery

ELECTRICAL

- Power supply (VDC) 24 ± 20%
- Response time (ms) ≤ 20

MECHANICAL

- Dimensions (h x w x d) (mm) 99 x 22,5..35 x 114,5
- Fastening 35 mm DIN rail fastening according to EN 50022-35 standard

STANDARDS

- IP rating: IP20 (box) IP2X (terminals)
- EN IEC 61496-1 and UL No. E343620

SPECIFICATIONS

Safety level

- Type 4 - PL e - SIL 3 - SILCL 3 - Cat. 4
- Type 2 SIL 1 - SILCL 1 | PL c - Cat. 2

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