



UE45-3S1

Safety stop via time delay

SAFETY RELAYS

SICK
Sensor Intelligence.



Technical data overview

Safety level	PL e, SILCL3 PL d, SILCL2
Applications	Evaluation unit
Compatible sensor types	Safety command devices Safety switches
Sensor monitoring	Sequence monitoring Cross-circuit detection
Typical response time	25 ms
Housing width	22.5 mm



Product description

The UE45-3S1 safety relay monitors safety switches and emergency stop pushbuttons in applications with a safety brake. It offers 2 safety contacts, which directly switch off some of the actuators. The other actuators must be active until the machine has come to a complete stop. These actuators can be deactivated after a certain time.

This ensures the brake stops the machine, allowing access once the machine has come to a complete stop.

At a glance

- Ideal for evaluating emergency stop pushbuttons and safety switches
- Cross-circuit detection and sequence monitoring at the dual-channel input signal
- 2 N/O contacts for direct integration into a machine environment
- 1 N/O time for stop category 1 applications, time delayed up to 30 s
- Manual or automated reset
- External device monitoring (EDM)
- Coded version for all slots

Your benefits

- Complete monitoring and evaluation of sensors
- Time delay provides optimal protection of brake applications
- Adjustable time delay at the front of the device (up to 30 s) makes it easy for the user to change settings
- Fast, tool-free exchange via coded, plug-in screw-type terminals
- Combines the advantages of classic relays and easy circuitry

Fields of application

- Evaluation unit for emergency stop pushbuttons and safety switches
- Protection of machines with a long brake application

Ordering information

Other models and accessories → www.sick.com/UE45-3S1

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