

UE48-3OS

Safety relay with 3 safety outputs for all common safety applications

SICK
Sensor Intelligence.



Technical data overview

Safety level	PL e, SIL 3
Applications	Evaluation unit
Compatible sensor types	Opto-electronic protective devices Pressure sensitive mats in 4 wire technology Safety command devices Safety switches
Sensor monitoring	Sequence monitoring Cross-circuit detection
Housing width	22.5 mm

Product description

The UE48-3OS safety relay offers a variety of versatile functions that can solve all common safety applications. In the field of safety switches, emergency stop pushbuttons and non-contact switches, the safety relay controls not only the signals, but also the cross-circuit detection and sequence monitoring. The signals of the opto-electronic protective devices are directly taken over and converted by the safety relay.

At a glance

- Ideal for the evaluation of emergency stop pushbuttons, safety switches, safety light curtains, safety laser scanners, and safety pressure sensitive mats
- Cross-circuit detection and sequence monitoring at the dual-channel input signal
- 3 safety outputs
- Manual or automated reset
- External device monitoring (EDM)
- Coded version for all slots

Your benefits

- One module for all common applications simplifies machine integration
- Complete monitoring and evaluation of sensors
- The sequence monitoring takes over the evaluation of non-contact safety switches
- 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 safety switches, emergency stop pushbuttons, safety light curtains, safety laser scanners and pressure-sensitive safety mats

Ordering information

Other models and accessories ➜ www.sick.com/UE48-3OS

- **Applications:** evaluation unit
- **Compatible sensor types:** Opto-electronic protective devices, Pressure sensitive mats in 4 wire technology, safety command devices, Safety switches
- **Restart interlock:** ✓
- **External device monitoring (EDM):** integrated
- **Supply voltage:** 24 V AC/DC
- **Number of enable current contacts:** 3
- **Housing width:** 22.5 mm

Type	Part no.
UE48-3OS2D2	6025089
UE48-3OS3D2	6025097

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