

Wide-area safety protection

Safety rope emergency stop switch for harsh environmental conditions

- Reliable activation when the rope is pulled, breaks, or the integrated emergency stop switch is activated
- Built-in reset button
- 3 NC safety contacts and 1 NO auxiliary contact
- Clearly visible rope tension indicator for rope spans up to 80 m, including a bi-colour LED that displays the switching status



IP67 IP69K PL/SIL

ifm – close to you!

Type	Protection rating	Housing	Order no.
Safety rope emergency stop switch on one side, bi-colour LED	IP67	Diecast aluminium	**AC950S**
Safety rope emergency stop switch on one side, bi-colour LED	IP69K	Stainless steel 316	**AC951S**

Safety along installations

Safety rope emergency stop switches enable the reliable protection of extensive hazardous areas. The emergency stop function can be activated by pulling the tensioned rope from any accessible point along the secured distance. The safety function is also activated by a broken rope or by directly pressing the integrated emergency stop switch. This makes the device particularly suitable for conveyor systems, rotating machines and other applications where it is not possible to fully enclose or cover the hazardous area.

Switching status clearly visible from a distance

The switching status is easily perceivable even from a greater distance thanks to its bi-colour LED. During normal operation, the display lights up green continuously, whereas a fault is indicated by a flashing red light. Three normally closed contacts provide the safety-related switching signals. In addition, a NO contact is available as auxiliary contact. This enables the safety rope switch to be incorporated into modern control and safety systems, such as AS-Interface Safety at Work.

Easy setting and controlled reset

An integrated viewing window helps ensure correct rope tension adjustment while also facilitating maintenance and troubleshooting. After activation, a latching mechanism maintains the emergency stop command until the cause has been investigated and the device has been manually reset. Unlocking is via the blue reset button and is only possible when the rope is correctly tensioned.

Technical data		
Safety contacts		3 NC
Auxiliary contacts		1 NO
LED operating voltage	[V]	24

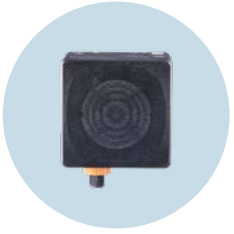
BEST FRIENDS



Rope tension kit
Complete set for safety rope emergency stop switch



AS-i Safety at Work module
Integrating safety-related components into AS-i



Radar distance sensor
Reliable detection of distance and speed

For further technical details, please visit: ifm.com/fs/AC950S

We reserve the right to make technical alterations without prior notice. · 11.2026
ifm electronic gmbh · Friedrichstr. 1 · 45128 Essen