

#### LS-Titan Safety Interlock Switches



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#### Product Description

Eaton's LS-Titan™ safety interlock switches have been specifically designed for monitoring the position of protective guards, such as doors, flaps, hoods and grilles. All switches in this family are safety-rated, include positively opening NC contacts, and cannot be defeated using simple tools, such as pliers, screwdrivers and nails.

The LS-Titan safety interlock family is comprised of three types of safety switches: key interlock, door-flap and door-hinge switches.

Key interlock switches are a two-piece design, made up of the switch and key (actuator). The key portion of the switch is affixed to a movable door, cover or other such guard. The switch itself is mounted to a rigid portion of the machine. When the guard is opened, the key is removed from the switch, thereby positively breaking the NC contacts. This interrupts the control circuit, stopping machine operation.

The door-flap and door-hinge switches are one-piece designs, suitable for when a key cannot be mounted in the application. When an attempt is made to open a protected door hinge or flap during operation, these switches disconnect the power supply to the machine or installation. Both switches feature four-way adjustable heads.

All LS-Titan safety interlock switches are approved to protect personnel and processes.

### Contents

<i>Description</i>	<i>Page</i>
LS-Titan Safety Interlock Switches	
Product Identification .....	25
Product Selection	
LS-Titan Miniature DIN Safety Interlock Switches .....	26
LS-Titan Full-Size DIN Safety Interlock Switches .....	27
LS-Titan Solenoid Safety Interlock Switches .....	27
LS-Titan Solenoid Safety Interlock Keys .....	28
Technical Data and Specifications .....	29
Mounting Instructions .....	30
Dimensions .....	31

#### Features

- Broad family of safety interlock switches in industry-standard enclosure sizes: miniature DIN; full-size DIN; and larger, solenoid key interlocks providing the highest degree of personnel and process protection
- Large selection of actuators (keys), including those for sliding doors, swing doors and doors that do not close precisely
- Miniature DIN models have a five-way adjustable head, while full-size DIN models have four-way adjustable heads
- Fully safety-rated as interlocking devices per EN 1088, with safety function by positive opening contacts per IEC/EN 60947-5-1
- Door-flap and door-hinge safety switches provide a unique solution when actuators (keys) cannot be used
- IP65 degree of protection

#### Standards and Certifications

- UL® listed
- CSA® approved
- CCC



- Positive opening NC contacts per EN 60947-5-1 ↻



#### Safety Notes

**Do not use as a mechanical stop/shipping brace.**

**Any change to an original Eaton safety position switch is not permitted and automatically leads to the loss of all approvals.**

**Switch must never be used as a mechanical stop.**