Safety detection solutions
Key-operated safety switches

Metal key-operated safety switches - Without solenoid

Without locking of actuating key

XCSA without manual unlocking

Metal case key-operated switches for use on machines **with low inertia** and operating in **normal conditions** (no vibration or shock and guard mounted vertically, without risk of rebound on closing), thus helping to eliminate unintentional opening of the guard.

With locking of actuating key and manual unlocking

XCSB with pushbutton

XCSC with actuating key

Metal case key-operated switches for use on heavy machines **with low inertia** and operating in **arduous conditions** (shock or vibration), whereby the guard could open unintentionally.
A key-operated lock or a pushbutton enables positive locking of the guard and its subsequent unlocking.

Metal safety interlock switches - With solenoid

With interlocking of actuating key by solenoid

XCSLF slim (metal case)

Metal case safety interlock switches for use on machines **with high inertia** with controlled opening of the protective guard.
Locking of the moving guard can either be on de-energization or energization of the solenoid.
Auxiliary release: A key-operated lock enables manual unlocking of the guard from outside the safeguarded area in the event of an interlocking circuit malfunction, and also provides extra safety for maintenance personnel likely to be working on the machine.
The switches incorporate 2 LEDs: one indicating guard “open” and the other, guard “closed and locked” (XCSLF/XCSE).

Emergency release with mushroom head pushbutton

XCSLF with mushroom button

Safety interlock switches are available with a mushroom head pushbutton mounted on the rear of the switch for unlocking the machine guard from inside the safeguarded area.

This manual unlocking using the mushroom head pushbutton for emergency release is useful in the following cases:
- while the machine or a group of machines is undergoing maintenance, enabling operation at reduced speed
- while stopped with the guard(s) closed

The safety of maintenance personnel is thus improved in the event of:
- a power outage
- an interlocking circuit malfunction
- personnel finding themselves in a hazardous situation

Unlocking using the emergency release mushroom head pushbutton takes priority over any other action. It therefore enables a person to leave the zone if the need arises.
This function is reinitialized by turning (with or without a key) the emergency release mushroom head.

Plastic key-operated safety switches - Without solenoid

Without locking of actuating key - Without solenoid

XCSMP

XCSPA

XCSTA

Plastic case safety interlock switches for use on light machines **with low inertia** and operating in **normal conditions.**
For use in arduous conditions (shock or vibration, guard not vertical or risk of rebound on closing) where the guard could open unintentionally, a **guard retaining device (XCSPA or XCSTA)** is available as an accessory.

Plastic safety interlock switches - With solenoid

With interlocking of actuating key by solenoid

XCSLE slim (plastic case)

Plastic case safety interlock switches for use on machines **with high inertia** with controlled opening of the protective guard.
Locking of the moving guard can either be on de-energization or energization of the solenoid.
Auxiliary release: A special tool enables manual unlocking of the guard from outside the safeguarded area in the event of an interlocking circuit malfunction, and also provides extra safety for maintenance personnel likely to be working on the machine.
The switches incorporate 2 LEDs: one indicating guard “open” and the other, guard “closed and locked”(XCSLE).