

# Safety detection solutions

## Safety interlock switches

Key-operated with solenoid, turret head (1)

XCSLF metal, emergency release pushbutton,

3 cable entries

**Type of switch**

Locking on de-energization and unlocking on energization of solenoid (2) with emergency release by mushroom head pushbutton (3)



**LED indication**

Orange LED: "guard open" indication  
Green LED: "guard closed and locked" indication

**Power supply for the solenoid and the LEDs**

24 V  $\overline{\text{---}}$  or  $\sim$  (50/60 Hz on  $\sim$ )

**Type of auxiliary contact actuated by the solenoid (locking contacts).**

Contact states represented with actuating key inserted and solenoid not energized.

1 NC + 2 NO break before make



2 NC + 1 NO break before make



**References of switches without actuating key (4) (⊖ NC contact with positive opening operation)**

**Types of main contact actuated by the key**

Contact states represented with actuating key inserted with trigger action mushroom head pushbutton, diameter 40 mm, "turn to release" reset

With 3 entries tapped ISO M20 x 1.5

3-pole contact 1 NC + 2 NO break before make, slow break		XCSLF3535412 ⊖	-
3-pole contact 2 NC + 1 NO break before make, slow break		-	XCSLF3737412 ⊖
Weight (kg)		1.220	1.220

**Solenoid and LED characteristics**

Load factor		100%
Rated operational voltage (5)		24 V $\overline{\text{---}}$ or $\sim$ or 120 V $\sim$ or 230 V $\sim$
Voltage limits	Conforming to EN/IEC 60947-1	- 15%, + 10% of the rated operational voltage (including ripple on $\overline{\text{---}}$ )
Consumption		< 5.4 W at 20 °C and max. voltage

**References of switches with trigger action mushroom head pushbutton, diameter 40 mm, key no. 455 reset**

To order a switch with trigger action mushroom head pushbutton, key no. 455 release, diameter 40 mm at the rear of the product, replace the fifth number in the selected reference with 6.

Example: XCSLF3535412 becomes XCSLF3535612. Some references with trigger action mushroom head pushbutton may not be available.

**References of complete switches with solenoid supply voltage of 120 V or 230 V**

To order a switch with a solenoid voltage of 110/120 V  $\sim$ , replace the sixth number in the selected reference with 3.  
To order a switch with a solenoid voltage of 220/240 V  $\sim$ , replace the sixth number in the selected reference with 4.  
Some 110/120V  $\sim$  and 220/240V  $\sim$  references may not be available.

**References of complete switches with 3 cable entries tapped for 1/2" NPT conduit**

To order a switch with 3 1/2" NPT cable entries, replace the last number in the reference with 3.  
Example: XCSLF3737412 becomes XCSLF3737413. Some 1/2" NPT references may not be available.

**References of actuating keys and separate parts**

See page 64.

- (1) Head adjustable in 90° steps through 360°. Blanking plug for operating head slot included with switch.
- (2) A key-operated lock (2 keys included with switch) enables forced opening of the interlocking mechanism by authorized personnel, allowing withdrawal of the actuating key and subsequent opening of the NC safety contacts (auxiliary release).
- (3) Trigger action, diameter 40 mm, "turn to release" or "key no. 455" reset type.
- (4) Actuating keys to be ordered separately (see page 64).
- (5) Common power supply for the solenoid and the LEDs.

**Other versions:** consult your Customer Care Center.