



Safety. Detection. Control.

SAFELOCK

Safety switch with guard locking



Safety switch with guard locking

Electromagnetic lock

- Safelock is a safety switch utilized in the protection of personnel when opening doors leading to dangerous areas. It acts by monitoring and interrupting the safety circuit during dangerous scenarios
- The solenoid locks and unlocks access to the dangerous area, guaranteeing safety until the danger has stopped



Available models



SLK-M

Retention mechanism actuated by a spring and unlocked by ON current

- Closed-circuit current principle, guard locking by spring force. Release by applying voltage to the guard locking solenoid

SLK-E

Retention mechanism actuated by ON current and unlocked by spring

- Open-circuit current principle, guard locking by applying voltage to the guard locking solenoid. Release by spring force



Housing	Reinforced thermoplastic
Contact material	Silver alloy, gold flashed
Number of guided contacts (door position)	2
Number of guided contacts (block monitoring)	1
Switching principle	Slow-action switching contact
Approach speed	Max. 20 m/min
Actuation frequency	1200 1/h
Actuating principle	Closed-circuit current
Forces	Locking force F_{max} 1000 N Locking force F_{Zh} 1500 N Retention force: 20 N Extraction force: 30 N Actuating force: 35 N
Solenoid operating voltage	AC/DC 24 V -15% ... +10%
Short circuit protection	4 A
Switching voltage	12 V Min a 10 mA
Switching current	1 mA Min a 24 V
Power consumption	6 W

Actuators



ACT-S-S-ST



Straight actuator

Without rubber bush, overtravel 5 mm (incl. 2 safety screws M5 x 10)

ACT-S-S-RB



Straight actuator

With rubber bush, overtravel 5 mm (incl. 2 safety screws M4 x 14)

ACT-S-A-RB



Angled actuator

With rubber bush, overtravel 5 mm (incl. 2 safety screws M4 x 14)

ACT-S-H-TB



Hinged actuator

For top and bottom hinged doors, overtravel 5 mm (incl. 2 safety screws M5 x 25)

ACT-S-H-LR



Hinged actuator

For left and right hinged doors, overtravel 5 mm (incl. 2 safety screws M5 x 10)



Directives

- Machine Directive 2006/42/CE

Standards

- EN 60947-5-1:2004 + Cor.:2005 + A1:2009
- EN 1088:1995+A2:2008
- EN 14119:2013



SAFELOCK

Safety levels

3 different safety functions

Solenoid control

- Max: PL c

Door locking

- Max: Cat. 1, PL c

Door interlock

- Max: Cat. 4, PL e





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Thank you.