

Safety. Detection. Control.



SAFELOCK

Safety switch with guard locking

Electromagnetic

 **REER**

Safety switch with guard locking and electromagnetic lock

Safety and reliability in door-opening control

Safelock is a safety switch utilised 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.

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.

Guard locking by applying voltage to the guard locking solenoid, release by spring force.

Approvals

Directives
Machine Directive 2006/42/CE

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

Part numbers

Part number	Model	Description
1290100	SLK-M-P-2NC-24	Safelock with mechanical block and plastic actuating head. Contacts: 2 NC, feedback 1 NC
1290101	SLK-M-P-NCNO-24	Safelock with mechanical block and plastic actuating head. Contacts: 1 NC + 1 NO, feedback 1 NC
1290102	SLK-M-M-2NC-24	Safelock with mechanical block and metal actuating head. Contacts: 2 NC, feedback 1 NC
1290103	SLK-M-M-NCNO-24	Safelock with mechanical block and metal actuating head. Contacts: 1 NC + 1 NO, feedback 1 NC
1290104	SLK-E-P-2NC-24	Safelock with electrical block and plastic actuating head. Contacts: 2 NC, feedback 1 NC
1290105	SLK-E-P-NCNO-24	Safelock with electrical block and plastic actuating head. Contacts: 1 NC + 1 NO, feedback 1 NC
1290106	SLK-E-M-2NC-24	Safelock with electrical block and metal actuating head. Contacts: 2 NC, feedback 1 NC
1290107	SLK-E-M-NCNO-24	Safelock with electrical block and metal actuating head. Contacts: 1 NC + 1 NO, feedback 1 NC

Characteristics

Housing	Reinforced thermoplastic
Actuating head material	Plastic or metal
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}): ≥1 kN (plastic), ≥2 kN (metal) Locking force (F _{Zh}): 1,5 kN 0,7 kN (plastic), 1,5 kN (metal) Retention force: 20 N Extraction force: 30 N Actuating force: 35 N
Solenoid operating voltage	24 V AC/DC -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
Protection grade	IP67

Actuators

Part number	Model	Description
1290301	ACT-S-S-ST	Straight actuator. Without rubber bush, overtravel 5 mm (incl. 2 safety screws M5 x 10)
1290302	ACT-S-S-RB	Straight actuator. With rubber bush, overtravel 5 mm (incl. 2 safety screws M4 x 14)
1290303	ACT-S-A-RB	Angled actuator. With rubber bush, overtravel 5 mm (incl. 2 safety screws M4 x 14)
1290304	ACT-S-H-TB	Hinged actuator. For top and bottom hinged doors, overtravel 5 mm (incl. 2 safety screws M5 x 25)
1290305	ACT-S-H-LR	Hinged actuator. For left and right hinged doors, overtravel 5 mm (incl. 2 safety screws M5 x 10)
1290306	ACT-F-S-RB	Straight actuator, for insertion funnel. With rubber bush, overtravel 5 mm (incl. 2 safety screws M4 x 14)
1290307	ACT-F-A-RB	Angled actuator, for insertion funnel. With rubber bush, overtravel 5 mm (incl. 2 safety screws M4 x 14)
1290308	ACT-F-H-TB	Hinged actuator, for insertion funnel. For top and bottom hinged doors, overtravel 5 mm (incl. 2 safety screws M5 x 25)
1290309	ACT-FH-LR	Hinged actuator, for insertion funnel. For left and right hinged doors, overtravel 5 mm (incl. 2 safety screws M5 x 10)
1292426	ACT-F-IF	Insertion funnel (incl. 2 screws).
1290310	CG-M20	Cable gland.

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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www.reersafety.com

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More than 50 years of quality and innovation

Founded in Turin, Italy in 1959, ReeR distinguished itself for its strong commitment to innovation and technology.

A steady growth throughout the years allowed ReeR to become a point of reference in the safety automation industry at a worldwide level.

The Safety Division is in fact today a world leader in the development and manufacturing of safety optoelectronic sensors and controllers.

ReeR is ISO 9001, ISO 14001 and BS OHSAS 18001 certified.



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