



Electro-mechanical safety switches Safety locking devices, i10 Lock

i10-M0454 Lock



Model Name > [i10-M0454 Lock](#)
Part No. > [6045055](#)

At a glance

- Narrow plastic housing
- Rigid or mobile actuators
- Available with M20 X 1.5 cable entry glands or Flexi Loop-compatible M12 plug connector (depending on variant)
- Locked by spring force and magnetic force
- Lock and door monitoring
- IP 67 enclosure rating

Your benefits

- Small design simplifies installation and makes it easy to mount directly on the guard door frame
- Flexible electrical connectivity due to three cable entry glands
- Improved diagnostics due to additional signaling contacts
- Practical, simple adjustment due to various actuators that are suitable for any door
- Different switching elements offer the appropriate solution for electrical installation
- Flexi Loop now enables a safe series connection with enhanced diagnostics capabilities and minimal wiring effort.



actuator not supplied with delivery

Note: The actuator has to be ordered separately. See "Accessories" for further details.

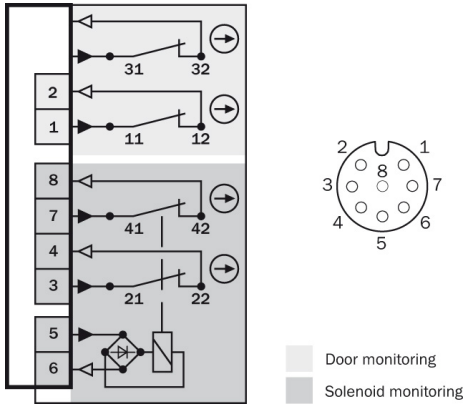


Technical data

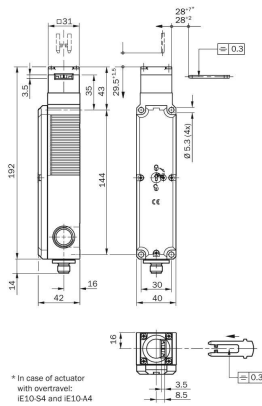
Housing material:	Glass-fiber reinforced thermoplastic
Enclosure rating:	IP 67 (IEC 60529)
Ambient operating temperature:	-20 °C ... +55 °C
B10d parameter:	3*1E 06 switching cycles, with small load
Locking type:	Mechanical
Maximum locking force:	1,300 N
Number of actuation directions:	5
Approach speed:	20 m/min
Actuation force:	10 N
Switching principle:	Slow action switching element

Number of positive action N/C solenoid monitoring contacts:	2
Number of N/O solenoid monitoring contacts:	0
Number of positive action N/C door monitoring contacts:	1
Number of N/O door monitoring contacts:	0
Number of N/C door monitoring contacts:	0
Mechanical life:	1* 1E 06 switching cycles
Usage category:	AC-15/DC-13 (IEC 60947-5-1)
Rated operating current (voltage):	1 A (24 V AC) 1 A (24 V DC)
Solenoid operating voltage:	24 V DC
Electrical connection:	Plug connector, M12, 8-pin
Flexi Loop-compatible plug connector:	✓
For process protection only:	-
Weight:	0.5 kg

Connection diagram



Dimensional drawing



Switching elements

Switching element	Actuator inserted		Actuator removed
	locked	unlocked	
Switching element 23	① 41-42 ② 41-43 ③ 41-44 ④ 41-45	41-42 41-43 41-44 41-45	41-42 41-43 41-44 41-45
Switching element 26	① 41-42 ② 41-43 ③ 41-44 ④ 41-45	41-42 41-43 41-44 41-45	41-42 41-43 41-44 41-45
Switching element 31	① 41-42 ② 41-43 ③ 41-44 ④ 41-45	41-42 41-43 41-44 41-45	41-42 41-43 41-44 41-45
Switching element 45	① 41-42 ② 41-43 ③ 41-44 ④ 41-45	41-42 41-43 41-44 41-45	41-42 41-43 41-44 41-45

Switching element 23:
 2 positive action N/C contacts + 1 N/O contact + 1 N/C as door contact
Switching element 26:
 2 positive action N/C contacts + 1 N/O contact as door contact + 1 N/C as door contact
Switching element 31:
 2 positive action N/C contacts + 1 N/O contact as door contact + 1 positive action N/C as door contact
Switching element 45:
 2 positive action N/C contacts + 2 positive action N/C as door contacts

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