



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
- 3 M20 x 1.5 cable entry glands
- 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



*actuator not supplied
with delivery*

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



Technical data

Housing material:	Plastic
Enclosure rating:	IP 67 (IEC 60529)
Ambient operating temperature from ... to:	-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:	2
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
Connection type:	Connector
Weight:	0.5 kg

Switching elements

Actuator inserted		Actuator removed	
locked	unlocked		
			
Switching element 28	A	B	
(1) 41 30 42	41 30 42	41 30 42	
(2) 41 30 42	41 30 42	41 30 42	
(3) 41 30 42	41 30 42	41 30 42	
(4) 41 30 42	41 30 42	41 30 42	
Switching element 29	F	G	
(1) 41 30 42	41 30 42	41 30 42	
(2) 41 30 42	41 30 42	41 30 42	
(3) 41 30 42	41 30 42	41 30 42	
(4) 41 30 42	41 30 42	41 30 42	
Switching element 31	F	G	
(1) 41 30 42	41 30 42	41 30 42	
(2) 41 30 42	41 30 42	41 30 42	
(3) 41 30 42	41 30 42	41 30 42	
(4) 41 30 42	41 30 42	41 30 42	
Switching element 45	F	G	
(1) 41 30 42	41 30 42	41 30 42	
(2) 41 30 42	41 30 42	41 30 42	
(3) 41 30 42	41 30 42	41 30 42	
(4) 41 30 42	41 30 42	41 30 42	

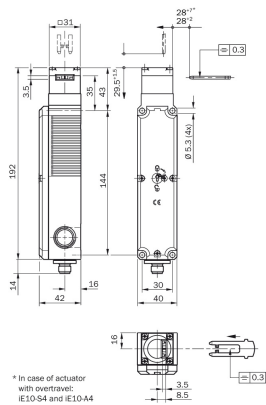
Switching element 28:
2 positive action N/C contacts + 1 N/O contact +
1 N/C as door contact

Switching element 29:
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

Dimensional drawing



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