



## Electro-mechanical safety switches Safety locking devices, i10 Lock

i10-E0253 Lock



**Model Name** > [i10-E0253 Lock](#)  
**Part No.** > [6020536](#)

**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:	Electrical
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

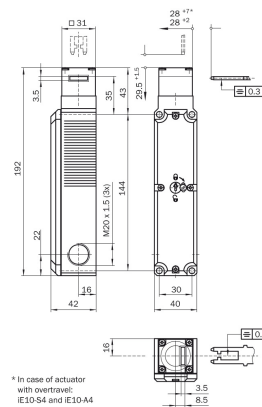
Number of positive action N/C door monitoring contacts: 0  
 Number of N/O door monitoring contacts: 1  
 Number of N/C door monitoring contacts: 1  
 Mechanical life: 1\* 1E 06 switching cycles  
 Usage category: AC-15/DC-13 (IEC 60947-5-1)  
 Rated operating current (voltage): 4 A (230 V AC)  
 4 A (24 V DC)  
 Solenoid operating voltage: 24 V DC  
 Connection type: Cable gland  
 Weight: 0.46 kg

### Switching elements

	Actuator inserted		Actuator removed
	locked	unlocked	
Switching element 23			
Switching element 25			
Switching element 31			
Switching element 45			

Switching element 23:  
 2 positive action N/C contacts + 1 N/O contact + 1 N/C as door contact  
 Switching element 25:  
 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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