



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
- 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:	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
Electrical connection:	Cable gland, 3 x M20
Flexi Loop-compatible plug connector:	-
For process protection only:	-
Weight:	0.46 kg

Switching elements

	Actuator inserted		Actuator removed	
	locked	unlocked	locked	unlocked
Switching element 25	0 41 42 01 11 01 12 01 13	41 42 40 01 11 40 01 12 40 01 13 40	41 42 40 01 11 40 01 12 40 01 13 40	41 42 40 01 11 40 01 12 40 01 13 40
Switching element 26	0 41 42 01 11 01 12 01 13	41 42 40 01 11 40 01 12 40 01 13 40	41 42 40 01 11 40 01 12 40 01 13 40	41 42 40 01 11 40 01 12 40 01 13 40
Switching element 31	0 41 42 01 11 01 12 01 13	41 42 40 01 11 40 01 12 40 01 13 40	41 42 40 01 11 40 01 12 40 01 13 40	41 42 40 01 11 40 01 12 40 01 13 40
Switching element 45	0 41 42 01 11 01 12 01 13	41 42 40 01 11 40 01 12 40 01 13 40	41 42 40 01 11 40 01 12 40 01 13 40	41 42 40 01 11 40 01 12 40 01 13 40

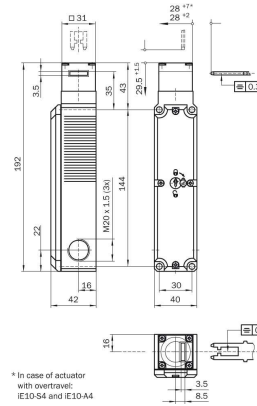
Switching element 25:
2 positive action N/C contacts + 1 N/O contact +
1 N/C as door contact

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

Dimensional drawing



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