



Electro-mechanical safety switches Safety locking devices, i10 Lock

i10-M0233 Lock



Model Name > [i10-M0233 Lock](#)
Part No. > [6022580](#)

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:	1
Number of positive action N/C door monitoring contacts:	0
Number of N/O door monitoring contacts:	0
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 0111 01 42 01 01 42 01	41 42 40 01 42 40 01 42 40	41 42 40 01 42 40 01 42 40	41 42 40 01 42 40 01 42 40
Switching element 26	0 41 42 01 42 01 01 42 01	41 42 40 01 42 40 01 42 40	41 42 40 01 42 40 01 42 40	41 42 40 01 42 40 01 42 40
Switching element 31	0 41 42 01 42 01 01 42 01	41 42 40 01 42 40 01 42 40	41 42 40 01 42 40 01 42 40	41 42 40 01 42 40 01 42 40
Switching element 45	0 41 42 01 42 01 01 42 01	41 42 40 01 42 40 01 42 40	41 42 40 01 42 40 01 42 40	41 42 40 01 42 40 01 42 40

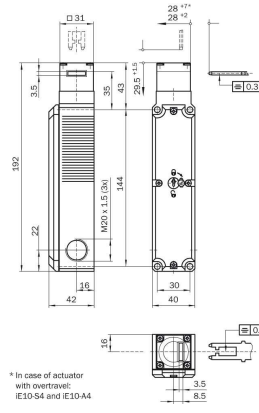
Switching element 25:
2 positive action N/C contacts + 1 N/O contact + 1 N/C as door contact

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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