



i200-M0323 Lock

i200 Lock

SAFETY LOCKING DEVICES

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
i200-M0323 Lock	6025113

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

Details.

Other models and accessories → www.sick.de/i200_Lock

actuator not supplied with delivery



Detailed technical data

Features

Number of positive action N/C solenoid monitoring contacts	1
Number of N/O solenoid monitoring contacts	1
Number of positive action N/C door monitoring contacts	2
Number of N/O door monitoring contacts	1
Number of N/C door monitoring contacts	0
Locking force	≤ 2,000 N ¹⁾
Actuation frequency	≤ 3,600 /h
Approach speed	≤ 10 m/min

¹⁾ Only in combination with the delivered fixing screws, otherwise 1500 N.

Safety-related parameters

B _{10d} parameter	2 x 10 ⁶ switching cycles (with small load)
Type	Type 2 (EN ISO 14119)
Actuator coding level	Low-level coding (EN ISO 14119)

Interfaces

Connection type	Cable gland, 3 x M20
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Electrical data

Switching principle	Slow action switching element
Usage category	AC-15/DC-13 (IEC 60947-5-1)
Rated operating current (voltage)	3 A (240 V AC) 3 A (24 V DC)
Rated insulation voltage U _i	500 V
Rated impulse withstand voltage U _{imp}	2,500 V AC
Power consumption	≤ 7 W

Short-circuit protection	3 A gG
Switching voltage	≥ 5 V DC
Switching current (switching voltage)	≥ 5 mA (5 V DC)
Solenoid operating voltage	24 V DC (20.4 V DC ... 26.4 V DC)
Duty cycle	100 %

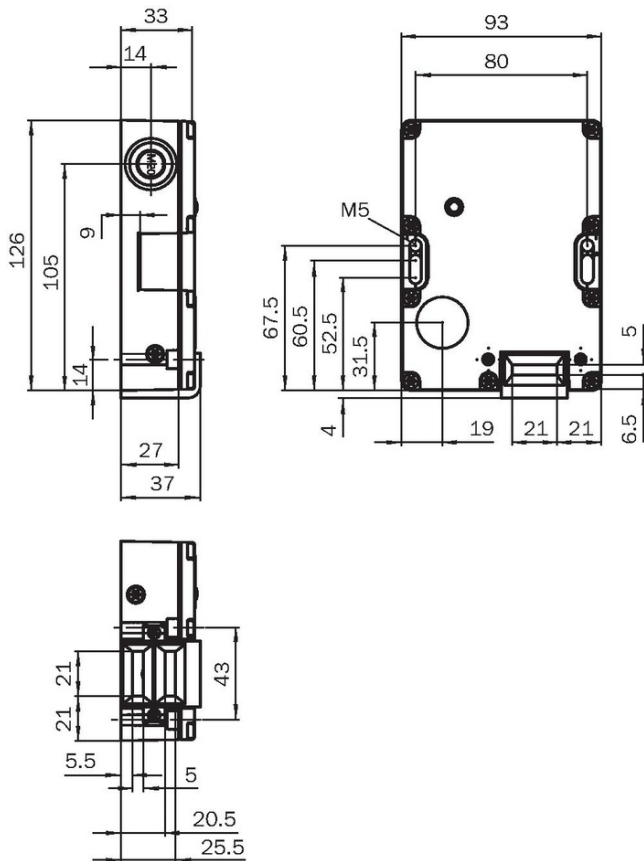
Mechanical data

Weight	0.55 kg
Housing material	Glass-fiber reinforced polyester
Mechanical life	1 x 10 ⁶ switching cycles

Ambient data

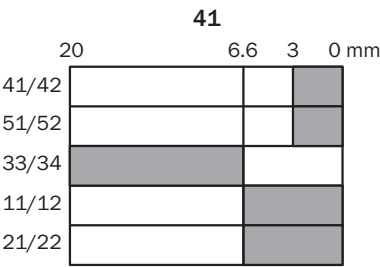
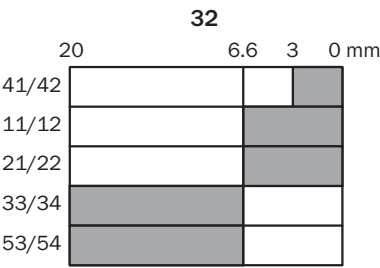
Enclosure rating	IP 65
Ambient operating temperature	-20 °C ... +60 °C
Storage temperature	-20 °C ... +60 °C

Dimensional drawing (dimensions in mm (inch))



Actuator travel diagram

Contact action over the entire actuator withdrawl distance (full insertion = 0 mm)



- ☐ Contacts open
- ☒ Contacts closed

Switching elements

Actuator inserted		Actuator removed	
locked	unlocked		
Switching element 32	DM LM 33 34 53 54 ⊖ 21 22 ⊕ 41 42	DM LM 33 34 53 54 ⊖ 21 22 ⊕ 41 42	DM LM 33 34 53 54 ⊖ 21 22 ⊕ 41 42
	DM LM 33 34 53 54 ⊖ 21 22 ⊕ 41 42	DM LM 33 34 53 54 ⊖ 21 22 ⊕ 41 42	DM LM 33 34 53 54 ⊖ 21 22 ⊕ 41 42
Switching element 41	DM LM 33 34 53 54 ⊖ 21 22 ⊕ 41 42	DM LM 33 34 53 54 ⊖ 21 22 ⊕ 41 42	DM LM 33 34 53 54 ⊖ 21 22 ⊕ 41 42
	DM LM 33 34 53 54 ⊖ 21 22 ⊕ 41 42	DM LM 33 34 53 54 ⊖ 21 22 ⊕ 41 42	DM LM 33 34 53 54 ⊖ 21 22 ⊕ 41 42

⬆ Positive action N/C locking monitoring contact
⊖ Positive action N/C door monitoring contact

LM: Locking monitoring contacts
DM: Door monitoring contacts

Switching element 32:
1 positive action N/C contact + 1 N/O contact (Locking monitoring)
2 positive action N/C contacts + 1 N/O contact (Door monitoring)

Switching element 41:
2 positive action N/C contacts (Locking monitoring)
2 positive action N/C contacts + 1 N/O contact (Door monitoring)

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