



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

i10-E0233 Lock



**Model Name** > [i10-E0233 Lock](#)  
**Part No.** > [6022585](#)

**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:                 | 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)<br>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 43<br>0 11 12 13<br>0 21 22 23<br>0 31 32 33 | 41 42 43<br>31 32 33<br>01 02 03<br>11 12 13 | 41 42 43<br>31 32 33<br>01 02 03<br>11 12 13 | 41 42 43<br>31 32 33<br>01 02 03<br>11 12 13 |
| Switching element 26 | 0 41 42 43<br>0 11 12 13<br>0 21 22 23<br>0 31 32 33 | 41 42 43<br>31 32 33<br>01 02 03<br>11 12 13 | 41 42 43<br>31 32 33<br>01 02 03<br>11 12 13 | 41 42 43<br>31 32 33<br>01 02 03<br>11 12 13 |
| Switching element 31 | 0 41 42 43<br>0 11 12 13<br>0 21 22 23<br>0 31 32 33 | 41 42 43<br>31 32 33<br>01 02 03<br>11 12 13 | 41 42 43<br>31 32 33<br>01 02 03<br>11 12 13 | 41 42 43<br>31 32 33<br>01 02 03<br>11 12 13 |
| Switching element 45 | 0 41 42 43<br>0 11 12 13<br>0 21 22 23<br>0 31 32 33 | 41 42 43<br>31 32 33<br>01 02 03<br>11 12 13 | 41 42 43<br>31 32 33<br>01 02 03<br>11 12 13 | 41 42 43<br>31 32 33<br>01 02 03<br>11 12 13 |

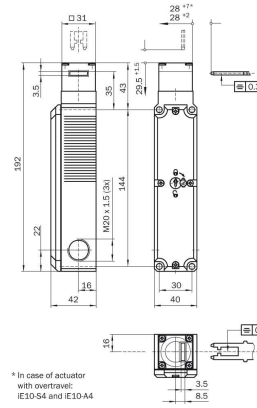
Switching element 25:  
2 positive action N/C contacts + 1 N/O contact +  
1 N/C as door contact

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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