



Electro-mechanical safety switches Safety locking devices, i110 Lock

i110-E0313S06



Model Name > [i110-E0313S06](#)
Part No. > [6035038](#)

At a glance

- Narrow plastic housing
- Metal actuator head
- Rigid or mobile actuators
- 3 M20 x 1.5 cable entry glands
- Locked by spring force and magnetic force
- Lock and door monitoring

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 contacts for door monitoring
- Simple adjustment due to various actuators that are suitable for any door
- Different switching elements offer the appropriate solution for electrical installation
- Rugged metal housing provides increased machine reliability, even when the guard has a mechanical offset



*actuator not supplied
with delivery*

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



Technical data

| | |
|--|---|
| Housing material: | Plastic |
| Actuating head material: | Metal |
| Enclosure rating: | IP 67 (IEC 60529) |
| Ambient operating temperature from ... to: | -20 °C ... 55 °C |
| B10d parameter: | 5*1E 06 switching cycles, with small load |
| Locking type: | Electrical |
| Maximum locking force: | 2,500 N |
| Number of actuation directions: | 5 |
| Approach speed: | 20 m/min |
| Actuation force: | 35 N |
| Max. force that can be locked against: | 45 N |
| Switching principle: | Slow action switching element |

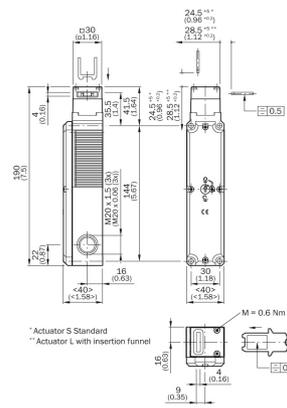
Number of positive action N/C solenoid monitoring contacts: 2
 Number of N/O solenoid monitoring contacts: 0
 Number of positive action N/C door monitoring contacts: 1
 Number of N/O door monitoring contacts: 1
 Number of N/C door monitoring contacts: 0
 Mechanical life: 1*1E 05 switching cycles
 Usage 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: 0.5 kg

Switching elements

| | Actuator inserted | | Actuator removed |
|-----------------------------|---|---|---|
| | locked | unlocked | |
| Switching element 23 |  |  |  |
| | 0 41-51-42 0 21-51-4 0 21-44-22 0 11-44-2 | 41-51-40 01-51-34 01-51-20 11-44-41 | 41-51-40 01-51-34 01-51-20 11-44-41 |
| Switching element 25 |  |  |  |
| | 0 41-44-1 0 11-44-2 0 21-44-2 0 11-44-1 | 41-44-40 01-44-30 01-44-20 11-44-14 | 41-44-40 01-44-30 01-44-20 11-44-14 |
| Switching element 31 |  |  |  |
| | 0 41-44-2 0 11-44-1 0 21-44-2 0 11-44-1 | 41-44-40 01-44-30 01-44-20 11-44-14 | 41-44-40 01-44-30 01-44-20 11-44-14 |
| Switching element 40 |  |  |  |
| | 0 41-44-2 0 11-44-1 0 21-44-2 0 11-44-1 | 41-44-40 01-44-30 01-44-20 11-44-14 | 41-44-40 01-44-30 01-44-20 11-44-14 |

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 40:
 2 positive action N/C contacts + 2 positive action N/C as door contacts

Dimensional drawing



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