



Electro-mechanical safety switches Safety locking devices, i10 Lock

i10-M0455 Lock



Model Name > [i10-M0455 Lock](#)
Part No. > [6034059](#)

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

The product has been discontinued. Please contact your SICK sales representative for more information about a replacement product.

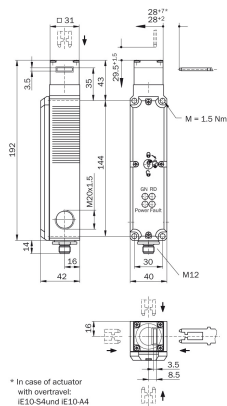


Technical data

Housing material:	Glass-fiber reinforced thermoplastic
Enclosure rating:	IP 67, mating plug inserted
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
Switching principle:	Slow action switching element
Number of positive action N/C solenoid monitoring contacts:	1

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:	0
Number of N/C door monitoring contacts:	0
Mechanical life:	1* 1E 06 switching cycles
Solenoid operating voltage:	24 V DC
Connection type:	Connector
Weight:	0.47 kg
Fieldbus:	AS-Interface Safety at Work
AS-Interface profile:	S-7.B
AS-Interface master version:	2.1
AS-Interface addresses:	1 ... 31
AS-interface voltage range:	22.5 V DC ... 31.6 V DC
AS-interface power consumption:	45 mA
Data bits IN door monitoring contact DM:	AS-Interface Safety at Work code sequence on D0, D1
Data bits IN solenoid monitoring contact SM:	AS-Interface Safety at Work code sequence on D2, D3
Data bits OUT interlocking solenoid, 1 = solenoid energized:	D0
Data bits OUT LED red, 1 = LED on:	D1
Data bits OUT LED green, 1 = LED on:	D2
Data bits OUT not used:	D3
AS-Interface LED Power:	Green, AS-Interface power on
AS-Interface LED Fault:	Red, offline phase or address 0

Dimensional drawing



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