



i15 Lock

Compact electro-mechanical safety locking device with door monitoring

SICK
Sensor Intelligence.



Technical data overview

Type	Type 2, electro-mechanical (EN ISO 14119)
Actuator coding level	Low coding level (EN ISO 14119)
Type of output	Electro-mechanical contacts
Locking principle	Power to lock / power to release (depends on variant)
Locking monitoring	✓
Door monitoring	✓
Locking force F_{Zh}	1,500 N (EN ISO 14119) 700 N (EN ISO 14119)
Connection type	Cable gland, 1 x M20

Product description

The i15 Lock safety locking device is used for keeping protective devices safely locked until a hazardous area can be entered. This safety switch is the smallest in the product family of safety locking devices. The rotatable actuating head, made of metal or plastic, provides the high restrained force required for locking the protective device. It offers optimum safety in minimum space.

At a glance

- Compact plastic housing
- Variants with metal actuator head
- Rigid or mobile actuators
- 1 M20 x 1.5 cable entry gland
- Power to lock or power to release variants
- Lock and door monitoring
- IP 67 enclosure rating

Your benefits

- High reliability due to rugged metal actuator head, even when the guard has a mechanical offset
- Improved diagnostics due to additional contacts for door monitoring
- Small housing saves space and can be mounted in tight areas

Fields of application

- Safe monitoring of rotatable, laterally sliding or removable guards
- Personal protection for overtravel
- Process protection for automated production systems

Ordering information

Other models and accessories → www.sick.com/i15_Lock

- **Locking principle:** power to lock
- **Connection type Detail:** cable gland, 1 x M20
- **Safe series connection:** None, only individual wiring (with diagnostics)
- **Positive action N/C solenoid monitoring contacts:** 1
- **N/O solenoid monitoring contacts:** 0

Locking force F_{Zh}	Positive action N/C door monitoring contacts	Type	Part no.
700 N	1	i15-EP0133 Lock	6034031
	2	i15-EP0123 Lock	6034030
1,500 N	1	i15-EM0133 Lock	6034029
	2	i15-EM0123 Lock	6034028

- **Locking principle:** power to release
- **Connection type Detail:** cable gland, 1 x M20
- **Safe series connection:** None, only individual wiring (with diagnostics)
- **Positive action N/C solenoid monitoring contacts:** 1
- **N/O solenoid monitoring contacts:** 0

Locking force F_{Zh}	Positive action N/C door monitoring contacts	Type	Part no.
700 N	1	i15-MP0133 Lock	6034027
	2	i15-MP0123 Lock	6034026
1,500 N	1	i15-MM0133 Lock	6034025
	2	i15-MM0123 Lock	6034024

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com