

Blocking element SLIM-LOCK

Electromechanical blocking element



This blocking element sets new standards.

Blocking elements with a motor drive are normally used to prevent accessing of armed zones. Every blocking element is, in principle, capable of this.

But we wanted to achieve more ...:

... a blocking element which **can be installed easier** than all previously known versions.

The installation requires a hole of only 14,5 mm diameter. A hole with a diameter of only 4 mm is adequate for laying the cable.

We also wanted to make it **considerably smaller**.

The primary function of a blocking element is to hold a door to an armed zone closed, but there are a multitude of other conceivable applications.

That is why we located the motor, gears and locking bolt in a cylindrical shape with the smallest possible dimensions.

This compact structure opens up a variety of application possibilities:

For example, SLIM-LOCK can be used to lock windows, furniture, glass cabinets and many other objects.

Performance features

- The smallest and most powerful product on the market
- Extremely high mechanical stability through metal housing
- Simple, time-saving installation (standard wood drill)
- Fits almost every door, window and cabinet. The element is not restricted by any national limitations governing door sizes
- 2-wire connection
- Actuation by microprocessor control unit with bolt position monitoring
- Automatic correction where the bolt encounters mechanical obstacles during insertion or retraction
- No closed-circuit current
- VdS approval Class C

Function

The "OPEN" and "CLOSED" bolt end positions are monitored.

A newly-developed evaluation process enabled us to integrate the bolt end position monitoring electronics in the control unit itself.

In the event of counterpressure occurring which is above permissible levels or jamming while the bolt is being retracted or inserted, the control unit makes a number of attempts to solve the problem on its own. Actuation is interrupted and a fault signal generated if this proves unsuccessful.



Installed blocking element
SLIM-LOCK

Actuation

A **suitable control unit** is required to actuate the blocking element SLIM-LOCK. We can offer you different options in this respect which cover practically every conceivable application.

1. IK3 BUS-2 evaluation unit Item no. 023312.10

The IK3 BUS-2 evaluation unit is an extremely convenient all-round solution for doors.

The EU not only actuates the blocking element SLIM-LOCK, it also controls all necessary components on a door.

The IK3 BUS-2 EU is linked to the central control unit via the BUS-2. This minimises installation requirements considerably.

2. IK3 evaluation unit conventional Item no. 023310

The IK3 evaluation unit conventional can be used for control panels equipped with block lock connection.

3. Control unit for SLIM-LOCK Item no. 019039

This autonomous control unit enables complete freedom of application.

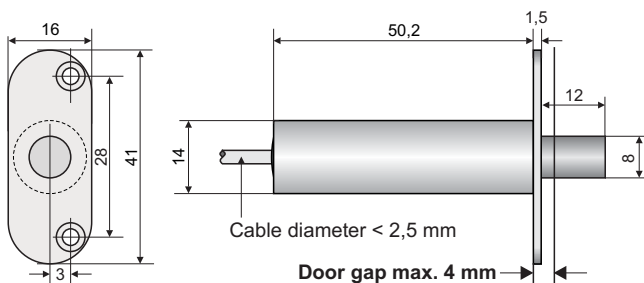
Actuation of the "OPEN" and "CLOSED" functions can be realised with static, dynamic, HIGH or LOW active signals.

These universal actuation options mean that the blocking element can be utilised in a variety of applications, completely independent of a central control unit.

Technische Daten

Operating voltage range	4 V to 6 V DC (provided by the control unit)
Closed-circuit current	0 mA
Current consumption for actuation	<200 mA (mean value for ca. 0.5 sec.)
Bolt locking time	<250 ms
Bolt travel distance	>12 mm
Bolt shearing strength	>1 kN lateral (where max. door gap is 4 mm)
Installation	position free
Cable connection	length 6 m, Ø <2.5 mm
Protection category acc. to DIN 40 050	IP 65 when installed
VdS environmental class	III
Operating temperature range	-25 °C to +55 °C
Storage temperature range	-25 °C to +70 °C
Dimensions (Ø x L) Housing:	14 x 50,2 mm
Dimensions (W x H) Flange:	16 x 41 mm
VdS approval	G104039 (IDS), Class C

Dimensions in mm



Ordering informations

Item no.	Designation
019038.10	Blocking element SLIM-LOCK

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