

Technical specifications of the drawer lock RFID125kHz

Mechanical specification	Weight per Set	Complete Set 200 Gramm
Electrical specifications	Equipment class as per Directive 1999/5/EC	Class 2
	HF radiation output	max. 66 dBµA/m at 10m
	Frequency band	119 to 135 kHz
	Battery type	CR 123A 3V
Ambient conditions	Operating temperature	+5°C bis +35°C (41°F to 95°F)
	Relative humidity operation	20% bis 75% (not condensing)

Disposal



Danger!

The electronics of the drawer lock RFID125kHz contains a lithium-ion battery. Dispose of this battery in accordance with national regulations. When disposing of partly discharged batteries, ensure that no accidental short circuits can occur between the poles of the battery (for example due to key fob in pocket of clothing...): danger of explosion and fire. Fasten the partly discharged battery for transport using non-conductive adhesive film in such a way that no short-circuits can occur.



Important!

Separate electronics of the drawer lock RFID125kHz from the other parts and dispose of in accordance with local regulations and directives.

Warranty conditions

This product was designed and manufactured carefully. At the moment of purchase the warranty amounts 12 months for material and manufacturing failures. The warranty starts with the date of purchase for 12 months. The product can be exchanged prior to certification of the proof of purchase.

The warranty conditions are limited to costfree exchange of the product or repair. Costs and risks caused by transport, installation or de-installation of the product and all other costs caused by the repairing will not be compensated. Liability for consequential loss—no matter which type—are strictly excluded.

Congratulations on your purchase of the drawer lock RFID125kHz. With this decision you have acquired locking technology with which you can lock and secure furniture without a key but nevertheless in a controlled, safe way.



Important!

The user's manual must be accessible for operators. In addition, general and local regulations on accident prevention and environmental protection are to be observed.

General safety instructions



Important!

If the door is closed when starting up or changing the battery without inserting the battery, the door cannot be opened via radio signals: it is necessary to break the door open. Follow the exact instructions for installation and start-up of the radio systems and replacement of the batteries. Remove the flat battery and to prevent a malfunction, **wait at least 30 seconds before inserting a new battery**. Observe correct polarity (+/-) at the battery case and the battery itself.



Important!

During installation of the lock and strike plate, ensure that the door is not pre-stressed and stresses are not transferred to the locking system. There is a risk that the latch can no longer open → malfunction. Avoid doors which are pre-loaded with a rubber profile.

Intended use

Authorised opening of an electronic lock in wooden furniture with an encoded chip. This chip can be in the form of an ID-card (cheque card format) or key fob. Function of the lock is only warranted when mounted on not conductive materials (wood, plastic). The max. thickness of the material must not exceed **20 mm**. If used with higher material thickness or metal doors or doors with metal coatings an external antenna must be used.

Forseeable misuse

Use of the lock in explosive environments. Use of the lock outside of the stipulated specifications. For damage resulting from incorrect use the customer bears sole responsibility, the manufacturer accepts no liability whatsoever.

Conversions or modifications

Any type of modification to the drawer lock RFID125kHz is not permitted. The electromagnetic conduct of the drawer lock RFID125kHz may be impaired by additions or modifications of any kind. Therefore do not carry out any modifications or additions to electric/electronic components.

Replacement and wear parts and process materials

The use of replacement parts from third-party manufacturers may lead to dangers. Use only original parts or parts approved by the manufacturer.

Drawer lock

RFID125 kHz



Installation– and Usermanual

Obligation of the user

The user undertakes only to allow persons to work with the drawer lock RFID125kHz who:

- have been instructed in working with the drawer lock RFID125kHz
- have read and understood this user's manual.

Warning signals of the drawer lock RFID125kHz

The lock is equipped with a 3V battery, which guarantees up to 20,000 openings. The battery level is automatically checked if no opening by radio signal has taken place within 30 days.

If the battery level is low or the 20,000 openings have been exceeded, the necessary battery replacement is indicated by an audible signal. Under certain circumstances, the signal may last for several days, in which case automatic unlocking of the lock takes place.

Aim of the drawer lock RFID125kHz

The drawer lock RFID125kHz is a compact, wireless furniture lock for cupboards and drawers. It is opened with an electric motor, when closed the system locks itself. Contactless chip technology is used as the "key". The system is "woken up" and opened by contactless identification via an authorised ID medium on the door.

The ID medium is simple to programme or delete. The installation of the lock with the springpowered door opener is possible without drilling holes in the piece of furniture.

Functional description

Authorised opening of an electronic lock in wooden furniture with an encoded chip (= ID medium). This chip can be in the form of an ID-card (cheque card format) or key fob.

Components of the drawer lock RFID125kHz

The set contains the following components:

- Drawer lock with changeable case
- closing part with break
- 2 pc pins for closing part
- Battery CR123A
- 125 kHz programming card
- Transponder 125 kHz
- Stickers with Logo
- 8 pcs screws
- Tool to replace the case
- Manual

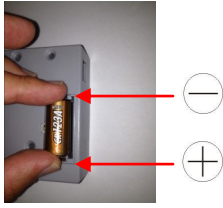


Drawer lock RFID125kHz installation

When unpacking, check whether the components as per the description are present. Dispose of the packaging in accordance with the applicable regulations of your country.

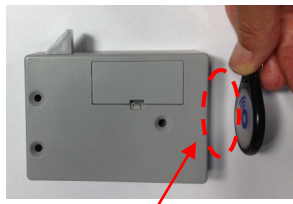
Insert battery

- Normally the battery compartment is already open, the cover with screws is contained in an accessory bag. Otherwise, open the battery compartment by unscrewing the two M3x6 screws.
- Remove the battery from the blister pack.
- Insert the battery into the battery compartment. Observe correct polarity.

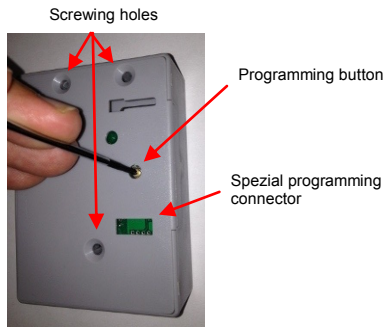


- Screw on the battery case cover with the M3x6mm screws provided.
→ The device is ready for programming.

Drawer lock RFID125kHz general survey



Card reader panel



Note!

The programming button has two functions:

- 1) For transponder signal on/off → short press
- 2) Creating a programming card → long press until long beep

Program the drawer lock RFID125kHz

On delivery, the lock is neutral. Programming can be carried out/changed at any time, as described in the following. Standard configuration means whether the programming card nor the transponder is programmed. The audible signal is „on“ and the mode „standard“ is activated (automatically closing of the latch). The programming procedure as described in the following, can be done/changed at every time.

- 1.) **Store programming card:** press the programming button of the lock for 3 seconds, until a long signal tone and immediately afterwards a ticking is audible for approx. 7 seconds. During the ticking, you must hold the programming card against the card reader panel, until a confirmation tune is audible.
→ The programming card is now stored.
Note: When using a new programming card the memory will be erased (long signal). If the programming button has been pressed too short the lock begins to tick, and an alarm will sound. You have now turned the identification signal off (see point 6).
- 2.) **Store transponder:** hold the stored program card once against the card reader panel.
→ A ticking is audible for approx. 7 seconds. During the ticking, hold the transponder (key fob) against the card reader panel to read it in, until a confirmation signal is sounded (2 x 3 short beeps).
→ The transponder is now stored.
- 3.) **Check transponder for function:** hold the transponder once against the card reader panel.
→ The confirmation signal is sounded again, the latch moves back and the lock opens. Repeat the process 2 to 3 times to store further transponders. You can teach at maximum 1 programming card and 50 transponder at once. The programming card and the transponder can be taught in at several other locks.
- 4.) **Delete stored transponders individually:** hold the programming card once against the card reader panel. A ticking is heard for approx. 7 seconds. During the ticking, hold the transponder against the card reader panel to delete it, until a confirmation signal is sounded.
→ The transponder is deleted.
- 5.) **Open the latch e.g. with programming card and hold the latch in this position:** Put the programming card 4x to the card reader panel. The latch will hold open until a authorized transponder will reset the hold open function.
→ All saved transponders are stored, the latch is moved into the open position.
- 6.) **Delete all stored transponders:** hold the programming card 5x against the card reader panel until a long confirmation signal is sounded.
→ All saved transponders are deleted, the latch is moved into the open position.
- 7.) **Switch signal tone on or off:** keep the programming button pressed for max. one second.
→ The signal tone is switched off/on.



Note! The lock can be operated in two modes :

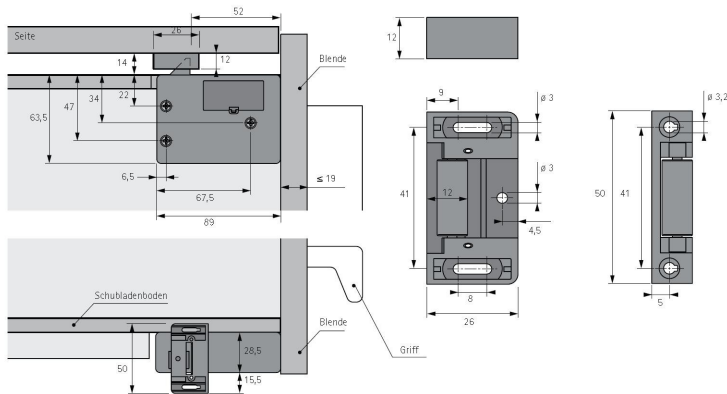
Mode **Standard** = latch function:

Only programmed transponders can lock/unlock the drawer lock. After the identification of an authorized transponder, the latch moves to the open position and then moves back automatically to the closed position.

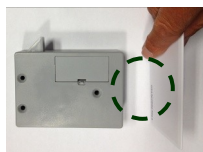
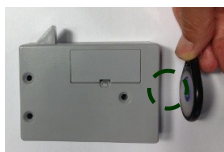
Mode **open/closed** = bolt function:

After the identification of an authorized transponder, the latch moves to the open position and stops in this position. At the next identification of the authorized transponder, the latch moves to the close position and stops in this position.

Install drawer lock RFID125kHz on furniture body and door



Important!
Assembling distance
ca. 20 cm



Important!
RFID Card reader distance

Key fob up to 25mm
Transponder card up to 40mm

Check reading distance after assembling the drawer lock RFID125kHz!



Note!

The lock assembly of furniture and the closing part must always be mounted so that the door in the closed state has at least 0.5 mm distance. This tolerance is necessary for the emergency opening in case of the low battery. Make sure that the transponder used have a very good reading quality. There should always be a comfortable reading distance be available from the front of the cabinet of at least 5-10 mm. The mounting distance between two locks should be approx. 20 cm. There is otherwise a risk of interference of the fields of the card reading panels. That can cause discharge of the battery.

EEC Declaration of Conformity

in accordance with the directives

2004/108/EC	Directive on electro-magnetic compatibility (EMC)
1999/5/EC 1999	Directive on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity (R&TTE)
2002/96/EC 2003	Directive on waste electric and electronic equipment (WEEE)
2011/65/EC	Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast)
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for the product: **Drawer lock RFID125kHz**

The following harmonised standards are applied:

EN 300330.2 V1.3.1 : 2006
EN 301489-3 V1.4.1 : 2002
EN ISO 12100: 2010
EN 50364 : 2010