

KFV

Multi-point locks Key-operated

BS 230X

BS 250X

BS 26XX

T2

TR

BV 1X00-1/-2

Window systems

Door systems

Comfort systems

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1 Introduction

Read these instructions completely before you use the multi-point locks.

To safely use the multi-point locks BS 23XX, BS 25XX and BS 26XX, adhere to the defined operating instructions in order to prevent functional disorders or damage. Follow the notes in Chapter 2 "Safety", in order to prevent personal injury or damage.

1.1 Manufacturer and Service

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Please contact your retail partner in case of complaints or service requirement.

1.2 Target group of this documentation

These instructions are intended for end users.

1.3 Intended use

- The multi-point lock is suitable for use in single-sash and double-sash doors in permanent buildings.
- The multi-point lock may only be installed in doors that have been fitted in a technically sound manner.
- The door design must permit use of the multi-point lock.

1.3.1 Locking part and hardware

- Repair of the multi-point lock is not permissible. If the multi-point lock is damaged, it must be repaired or replaced by KFV or by a specialist company.
- Only KFV frame parts may be used.

1.4 Improper use

- The multi-point lock must not be used for escape doors.
- The multi-point lock must not be used in doors for wet rooms or rooms in which the air contains aggressive or corrosive components.
- Foreign objects and/or materials which impede or prevent proper use must not be placed within the opening range, the locking system or the striker plates.
- Do not interfere with and/or make any modifications to the multi-point lock.

1.5 Service notes





- Check that all moving components are functioning properly once a year.
- Please get in touch with your contractual partner if you notice malfunction or damage.

1.6 Dimensions

All measurements are given in mm.

1.7 Symbols used

The following icons are used in this document:

	General warning symbol
	Information
	Do not use mechanical force
	Continue reading the instructions at the corresponding point

Other types of indicators

Below is a list of symbols used in these instructions and their meanings:

- Items of text following this marker are found in lists.
 - Items of text following this marker are found in subordinate lists.
- ▶ Items of text with this marking in front of them are instructions that must be followed in the specified order.

Cross reference

" " A separate cross reference is enclosed by quotation marks.

() A cross reference in the flow text is enclosed by brackets.

1.8 Appropriate disposal

- The multi-point lock and the optional accessories should not be disposed of with household waste. Comply with the current local and national regulations.
- The packaging consists of raw materials that can be recycled and can be taken to the local waste paper disposal site.

2 Safety

Before using the multi-point lock, read the following warning notes carefully. They are designed to keep you safe and prevent hazards, injuries and material damage. Observe all warning notes.



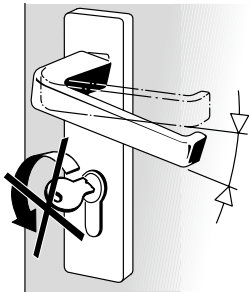
Information

This symbol indicates special features and designates facts that require increased attention.

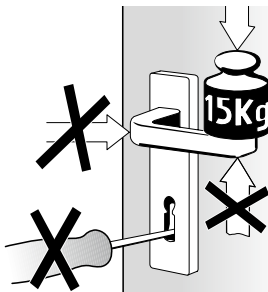
2.1 Causes of damage



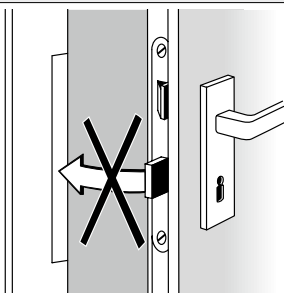
The lever handle and key must not be operated at the same time.



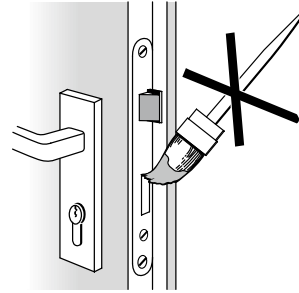
Only apply pressure to the lever handle in the direction of activation. Max. 150 N may be applied to the lever handle. The multi-point lock must be locked only with the associated key.



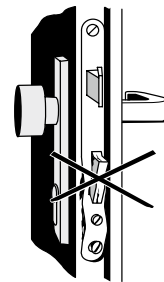
Locking elements must not be misused to hold the door open.



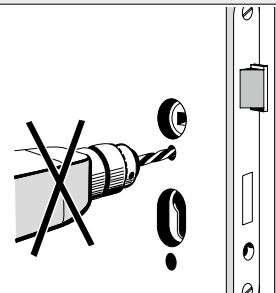
Do not paint.



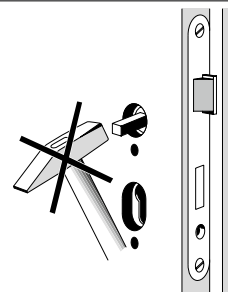
The multi-point lock must be replaced if indications of the use of force are detected.



Do not drill through the door leaf when the multi-point lock is installed.



The spindle must not be hit through the lock nut with force.

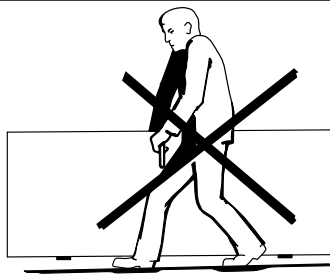


KFV – Operating instructions

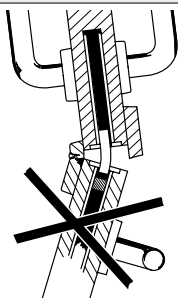
Multi-point locks, key operated, BS 230X, BS 250X, BS 26XX, T2, TR, BV 1X00-1/-2



The door leaf must not be carried using the lever handle as a grip.



Double-leaf doors must not be forced open using the inactive sash.



3 Variants and components

The multi-point locks are equipped with two auxiliary boxes [1] or four auxiliary boxes [2].

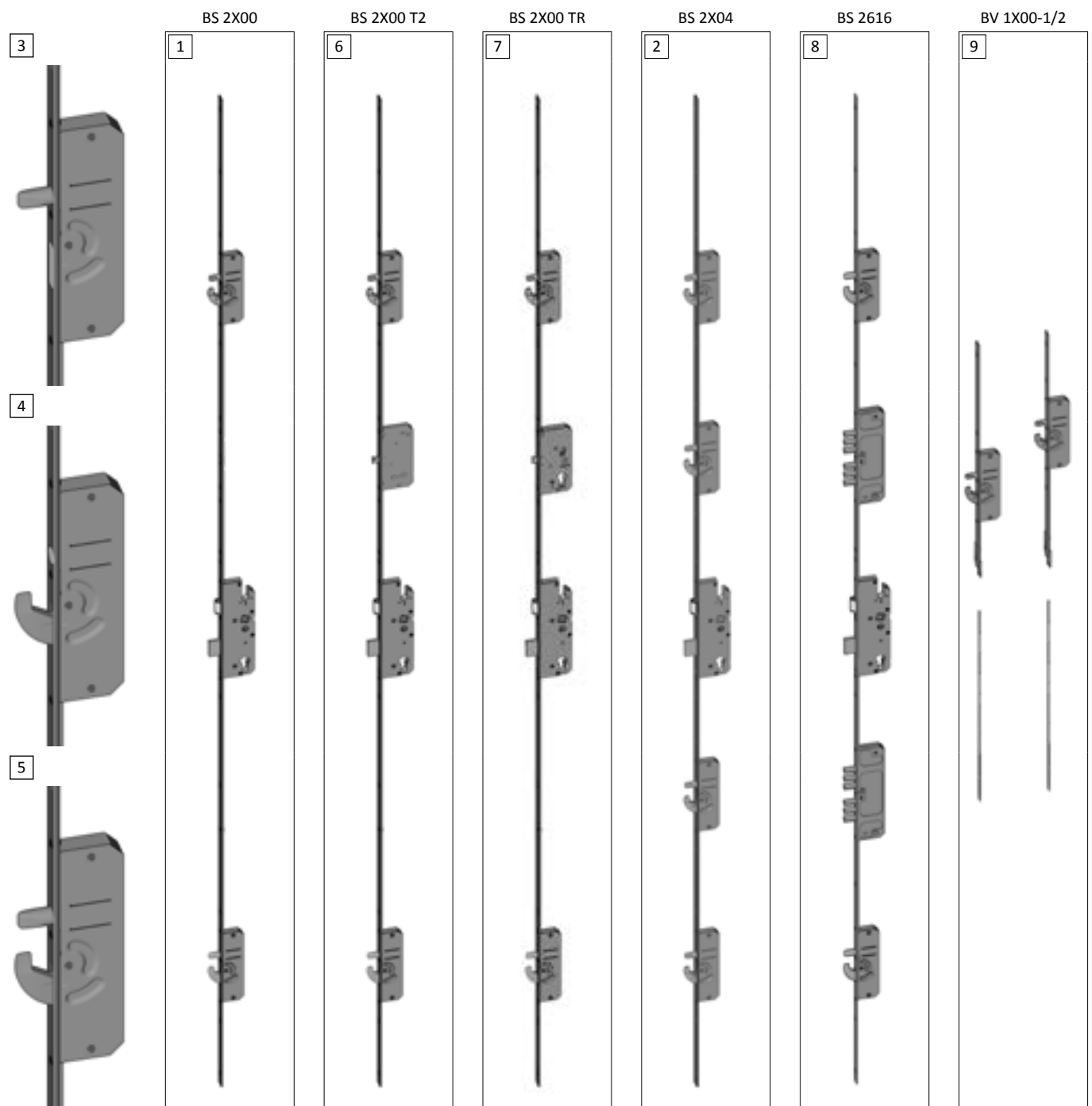
Three versions of auxiliary boxes are available:

- BS 2300 with round bolt [3]
- BS 2500 with hook bolt [4]
- BS 2600 with round bolt/hook bolt combination [5]

The multi-point locks with two auxiliary boxes can be upgraded with the T2 safety lock [6] or the additional deadbolt lock TR [7].

The multi-point lock BS 2616 [8] is equipped with a combination of two auxiliary boxes with round bolt/hook bolt combinations and two auxiliary boxes with six round tacks.

To extend the multi-point locks, an extension piece [9] with auxiliary box 23/25/2600 in two versions can be mounted.



4 Operation



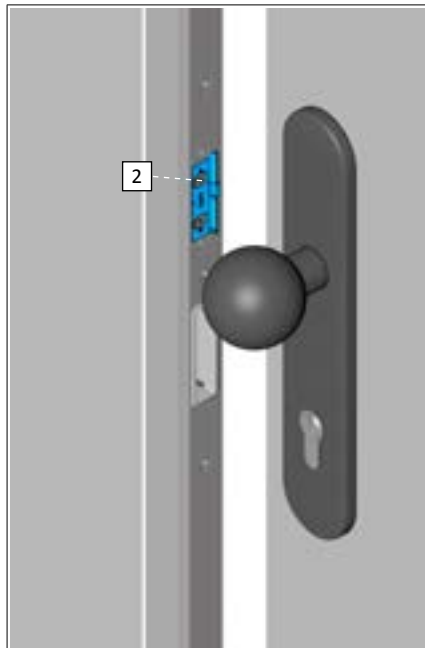
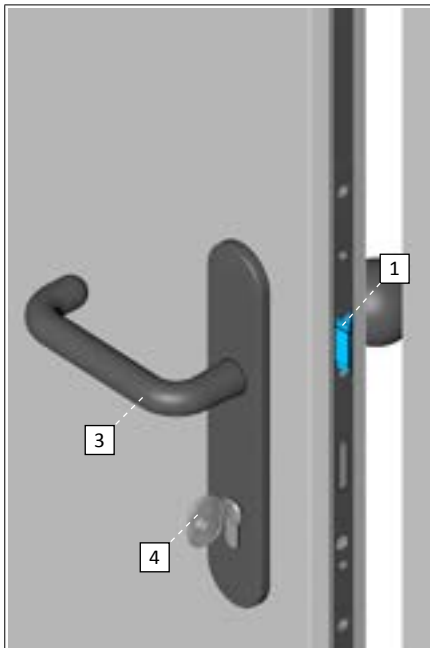
The operating steps described below are illustrated by schematic diagrams. Zum besseren Verständnis der Funktionen wurde auf der Rahmenseite auf den sogenannten Falz (den stufenförmigen Überstand) verzichtet. Hence an insight into the locking procedures with the door closed is ensured.



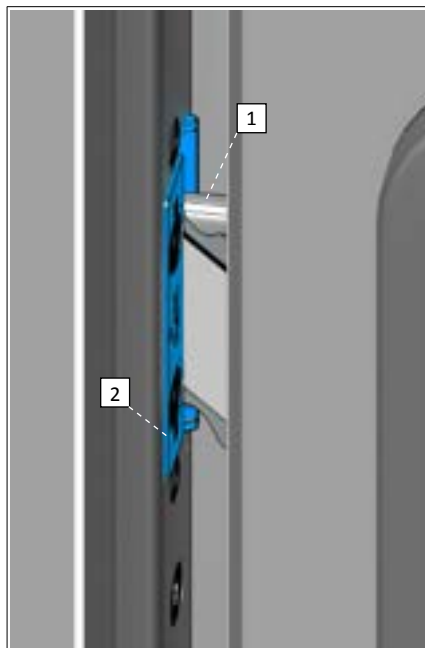
Never activate the key and the lever handle simultaneously.

4.1 Locking elements

4.1.1 Function of the latch



The latch [1] keeps the door closed in the released condition. It engages in the AT-piece [2] when the door is closed. The lever handle [3] is activated or the key [4] turned in the release direction up to the stop to open the door.



Shut the door

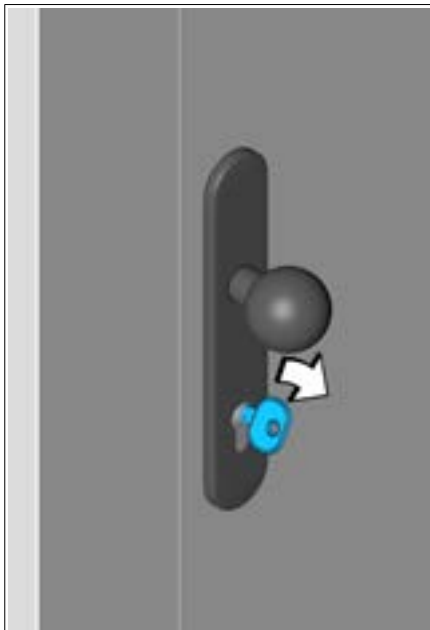
► Press or pull the door closed. During the closing process, the latch [1] is pushed inwards via its inclined side on contact with the stop piece [2].

When the door is closed, the latch moves behind the stop piece in the door frame and holds the door securely closed.



Open door

► Activate the lever handle.
The latch is drawn into the gear box and releases the door.



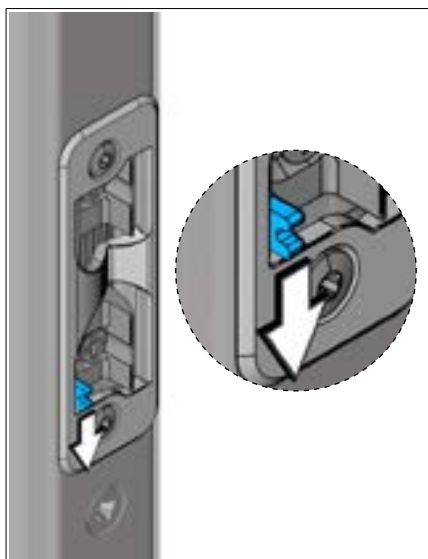
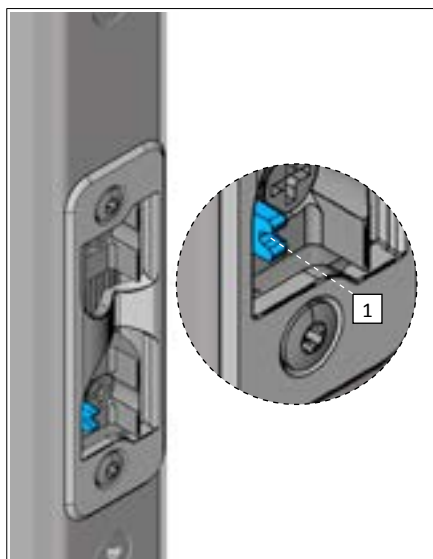
► Turn the key in the release direction to the stop (cylinder operated lock).
The latch is drawn into the gear box and releases the door.

KFV – Operating instructions

Multi-point locks, key operated, BS 230X, BS 250X, BS 26XX, T2, TR, BV 1X00-1/-2

4.1.2 Function of the day latch (optional)

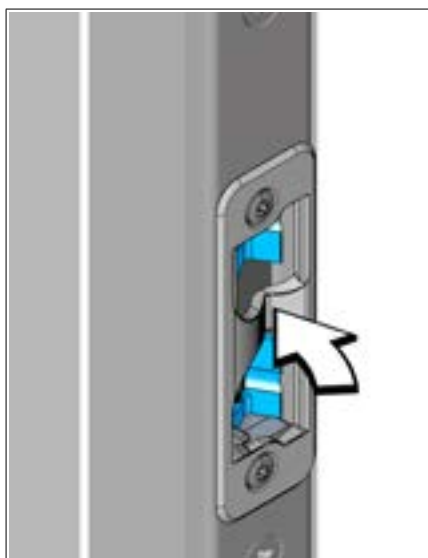
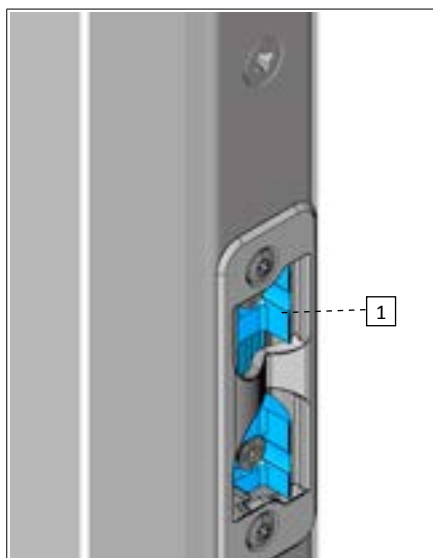
A releasable stop, the so-called day latch, can be used instead of a rigid stop. This enables the unlocked door to be opened from the outside without the use of a key.



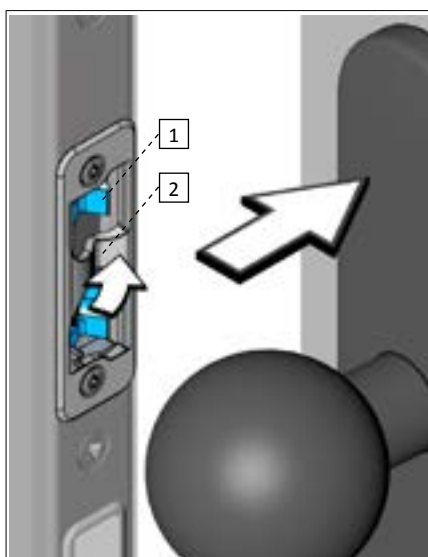
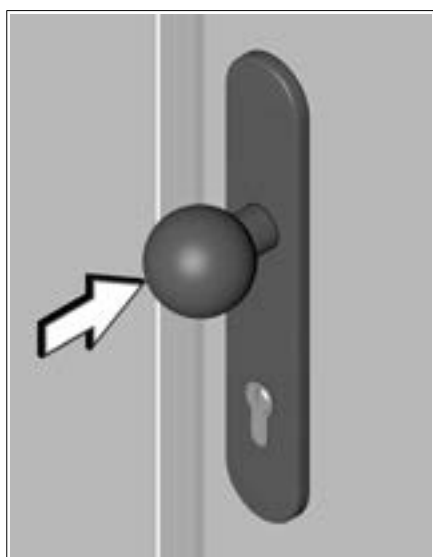
Release of the day latch

- Move the sliding handle [1] in the direction of the outer edge of the day latch.

The day latch is released.



When counter-pressure is applied, the released stop piece [1] pivots inwards.

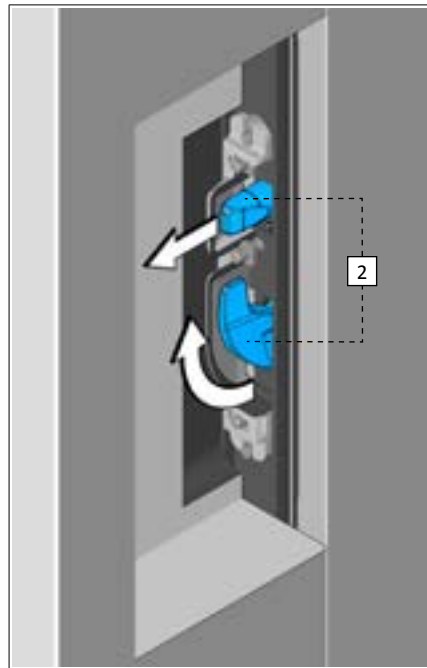
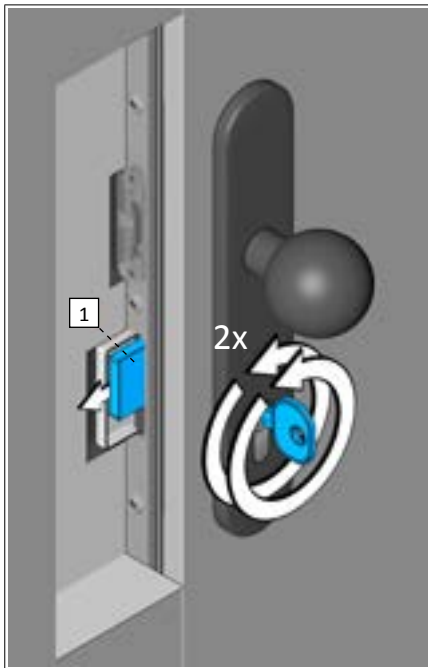


Opening the door from the outside

- Press against the door.

The released stop piece [1] pivots inwards, the latch glides over the inclined ramp of the PVC cover [2] and the door is released.

4.1.3 Function of the locking elements



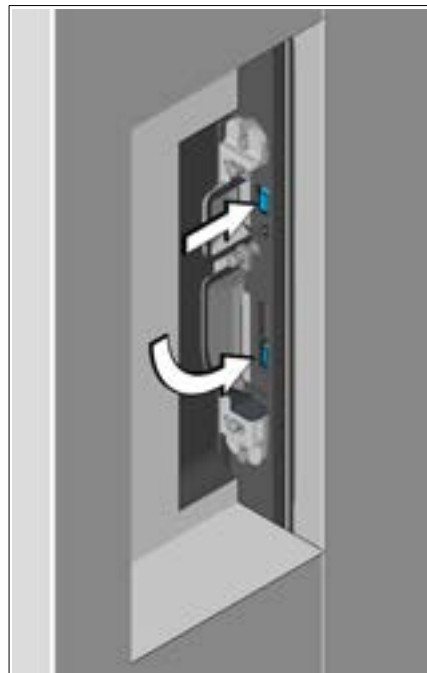
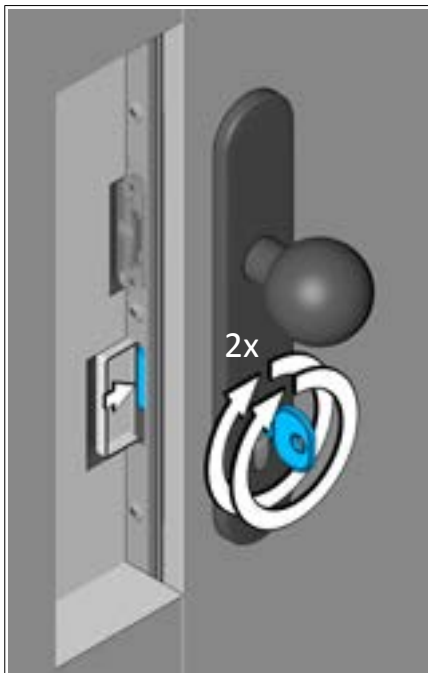
- ▶ Turn the key twice in the locking direction.

The main lock bolt [1] and the locking elements [2] of the auxiliary box retract completely.

Counter-pressure retention

The locking elements are completely extended after the double locking. The counter-pressure retention is first activated in this position.

The counter-pressure retention is a burglar resistance that prevents the locking elements from being pushed back.



Release

- ▶ Turn the key twice in the release direction.

The main lock bolt and the locking elements of the auxiliary box retract completely.

You can then open the door with the key or with the lever handle.



Withdrawing the key

The key can only be withdrawn when it is in a certain position.

Illustrated here: The vertical withdrawal position for the key.

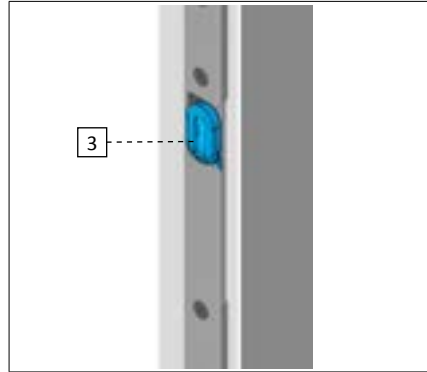
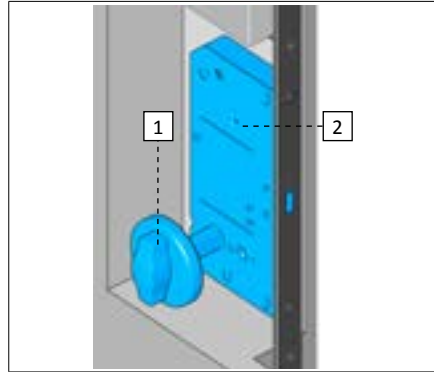
The withdrawal position could be horizontal for other cylinder lock versions.

KFV – Operating instructions

Multi-point locks, key operated, BS 230X, BS 250X, BS 26XX, T2, TR, BV 1X00-1/-2

4.2 Safety lock T2 (optional)

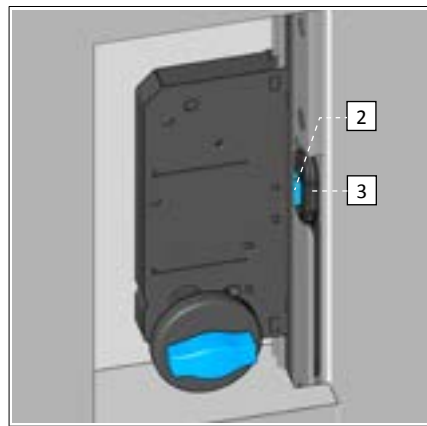
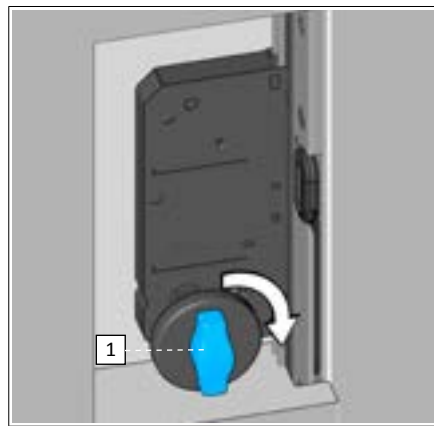
On activation, the T2 safety lock restricts the opening gap of the door. The safety lock T2 is activated from the inside via a rotary knob, the so-called handle [1]. The T2 safety lock can also be released via the main lock using a key.



The T2 safety lock consists of two components:

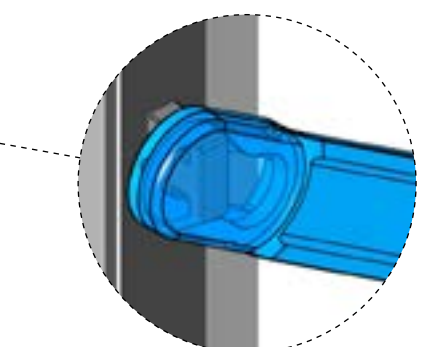
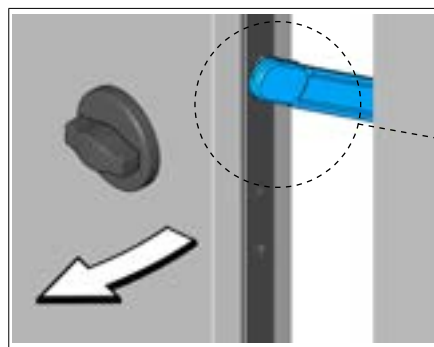
- Locking unit [1] in the door leaf
- Safety catch [2] on the frame side

4.2.1 Locking the safety lock



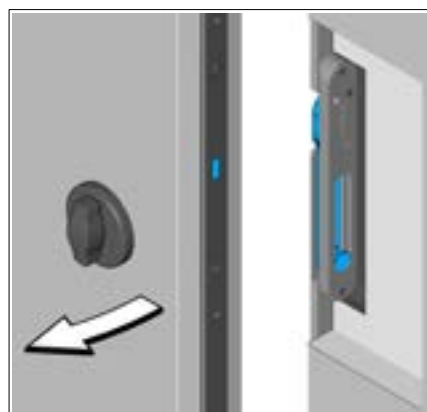
- ▶ Close the door and turn the handle [1] 90° in the locking direction.

The deadbolt [2] extends and grips into the opening of the safety catch [3].



- ▶ Open the door.
- The safety catch is picked up by the deadbolt and limits the opening gap of the door.

Releasing the T2 safety lock using the handle



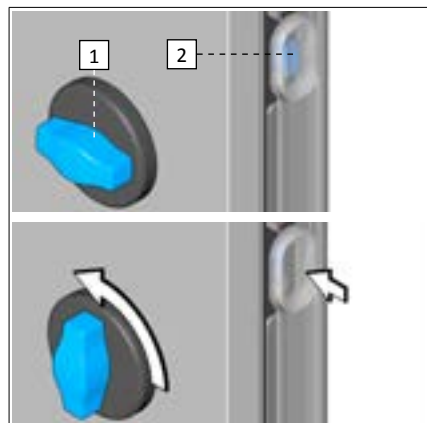
- ▶ Shut the door.
 - ▶ Turn the olive 90° in the release position.
- The deadbolt retracts and releases the safety catch.
- ▶ Open the door.
- The safety catch remains in position and the door can be completely opened.

4.2.2 Releasing the T2 safety lock via the main lock

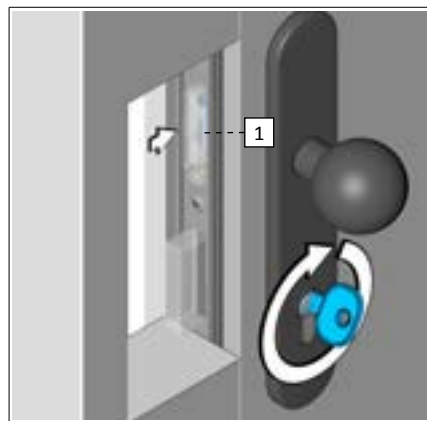
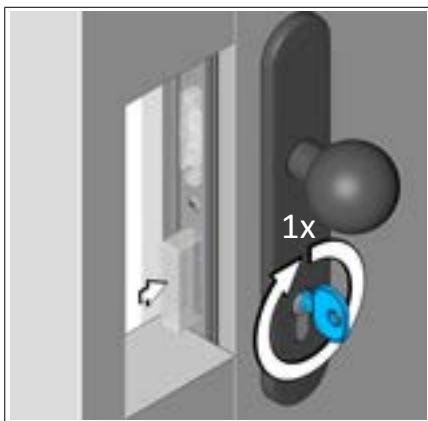


If the main lock is locked, it must first be released.

- ▶ Release the main lock by turning the key in the release position. All locks retract completely.

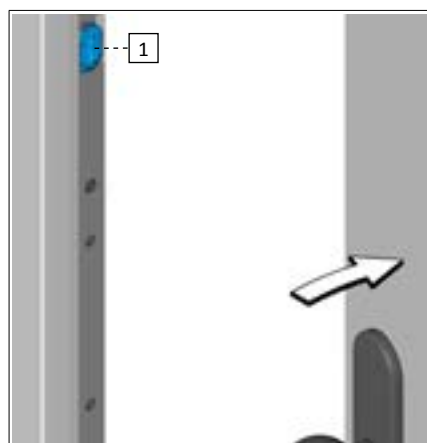
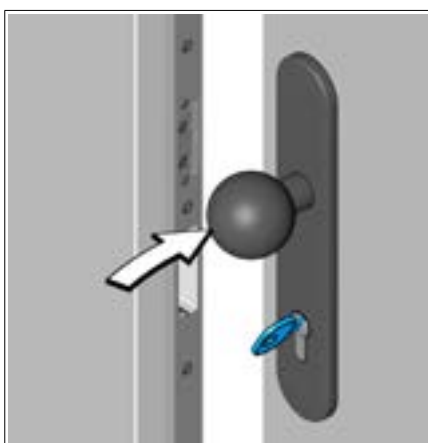


- ▶ Then turn the key back once in the locking direction. The handle [1] and the deadbolt of the safety lock [2] T2 then move to the release position.



- ▶ Turn the key of the main lock back to the release position. The main lock bolt then retracts completely.

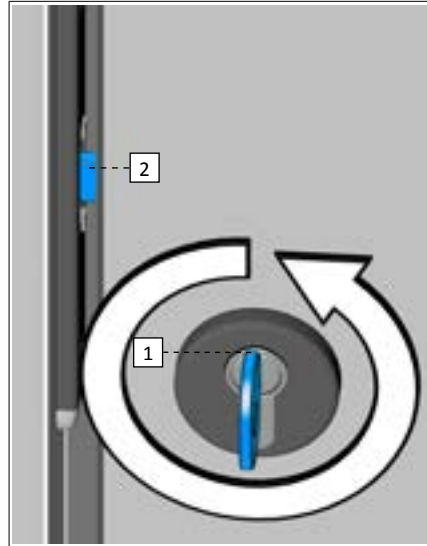
- ▶ Turn the key in the release position until you reach the stop. The latch [1] retracts and release the door.



- ▶ Open the door. The safety catch [1] remains in position and the door can be completely opened.

4.3 Additional deadbolt lock TR (optional)

The additional deadbolt lock TR is locked and released from the inside and outside via a second profile cylinder, independently of the multi-point lock.

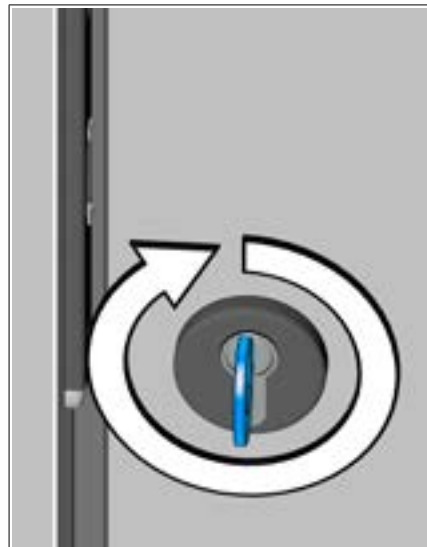


Locking the additional deadbolt lock

- ▶ Close the door and turn the key [1] of the additional deadbolt lock with a single turn in the locking direction.

The deadbolt [2] extends and grips into the striker plate.

This locks the door.

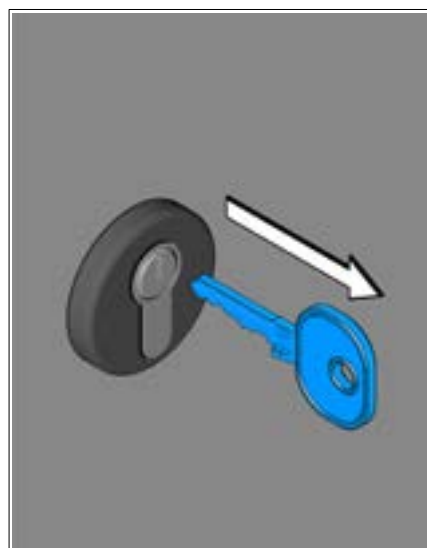
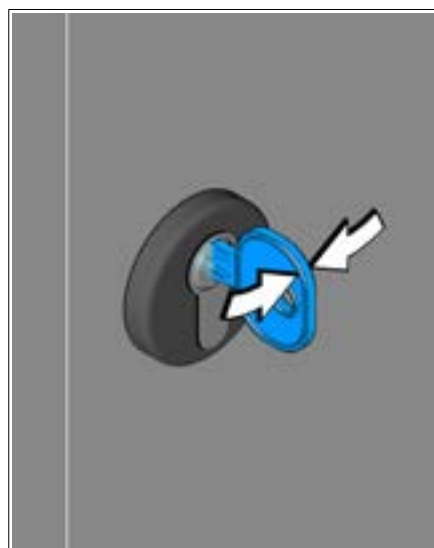


Releasing the additional deadbolt lock TR

- ▶ Turn the key of the additional deadbolt lock once in the release direction.

The deadbolt retracts.

The door can now be opened using the lever handle or the key of the main lock.



Withdrawing the key

- ▶ Turn the key of the additional deadbolt lock into the vertical position (withdrawal position).

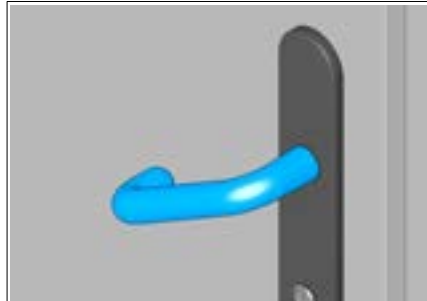
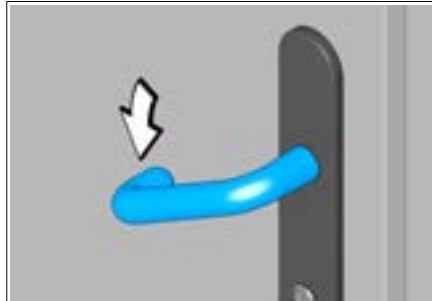
The key can be withdrawn in this position.

5 Functional disorders



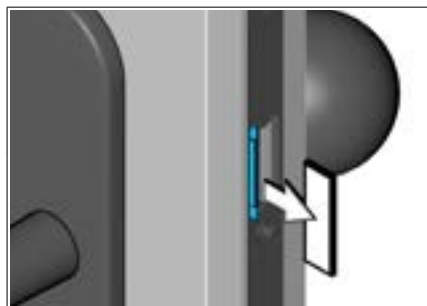
Repair of the multi-point lock is not permissible. In case of damage or functional disorder, the multi-point lock must be repaired or replaced by KFV or by a specialist company. Get in touch with your contractual partner for this.

A sequence of potential functional disorders is listed below.



Lever handle

- The lever handle does not return to its original position by itself.

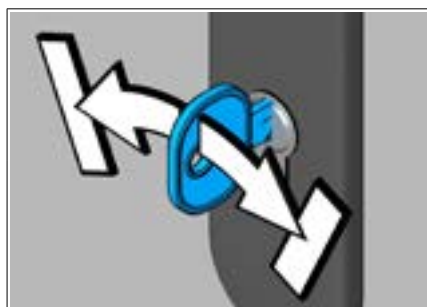


Lever handle

- The lever handle and/or the latch do not move with ease.

Latch

- The latch remains in the retracted position.

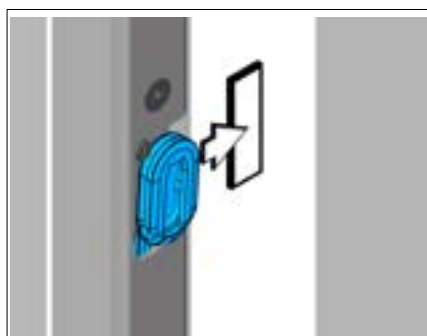


Withdrawing the key

- The key cannot be pulled out.

Turning the key

- The key does not move smoothly into the cylinder lock.



Safety lock T2 deadbolt

- The deadbolt does not grip properly into the opening of the safety catch during locking and release.

Safety lock T2 safety catch

- The safety catch moves sluggishly or gets stuck.



Additional deadbolt lock TR key

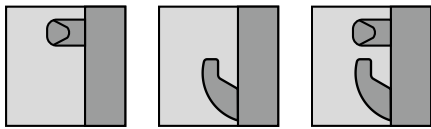
- The key and the deadbolt do not move with ease.

Additional deadbolt lock TR deadbolt

- The deadbolt does not grip precisely into the striker plate.

6 Cleaning and maintenance

For KFV multi-point locks, series BS 2xxx



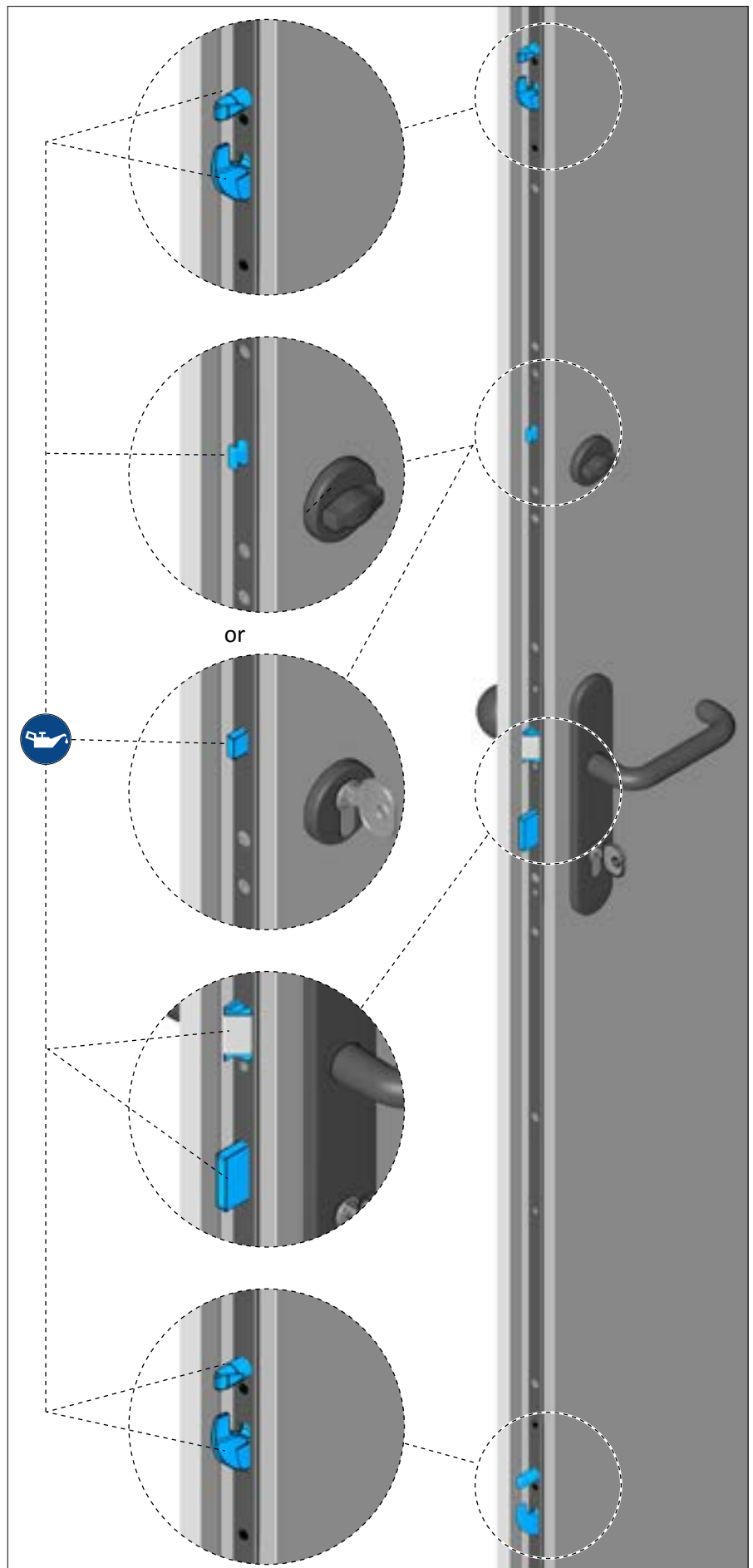
All components of the multi-point lock have already been treated with long-term lubrication and are consequently maintenance-free.

However, if a subsequent lubrication of the locking elements should be necessary, use only spray-on grease.

Do not use lubricants containing solvents or resins.

Cleaning

- Use a soft cloth for the cleaning.
- Never use cleaning agents that are aggressive or contain solvents.



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