

KFV

Multi-point locks, key operated

BS 2200

BS 230X

BS 25XX

with 130 mm high auxiliary boxes

Window systems

Door systems

Comfort systems

CONTENT

1	INTRODUCTION.....	4
1.1	Producer and service	4
1.2	Target group of this documentation	4
1.3	Intended use	4
1.3.1	Locking part and hardware	4
1.4	Improper use.....	4
1.5	Service notes.....	4
1.6	Dimensions	4
1.7	Visual indicators.....	4
1.7.1	Symbols used	4
1.7.2	Other types of presentations	4
1.8	Appropriate disposal.....	4
2	SAFETY.....	5
2.1	Causes of damage	5
3	VARIANTS AND COMPONENTS.....	7
4	OPERATION.....	8
4.1	Locking elements	8
4.1.1	Function of the latch	8
4.1.2	Function of the day latch (optional).....	9
4.1.3	Function of the locking elements.....	11
5	MALFUNCTIONS	12
6	CLEANING AND MAINTENANCE.....	13

1 Introduction

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

To safely use the multi-point locks BS 2200, BS 230X and BS 250X, adhere to the defined operating instructions in order to prevent malfunctions or damage. Follow the notes in Chapter 2 “Safety”, in order to prevent personal injury or damage.

1.1 Producer and service

KFV Karl Fliether GmbH & Co. KG
A company of the SIEGENIA GROUP
Siemensstraße 10
42551 Velbert
E-mail: info@kfv.de

Please contact your contractual partner in case of malfunction, 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.
- Use only KFV frame parts.

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 Visual indicators

1.7.1 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

1.7.2 Other types of presentations

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.



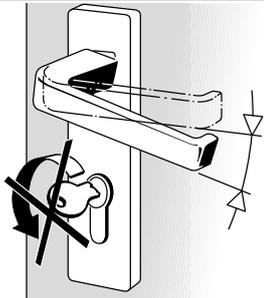
Information

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

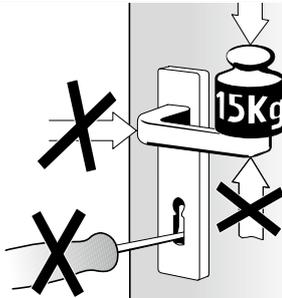
2.1 Causes of damage



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



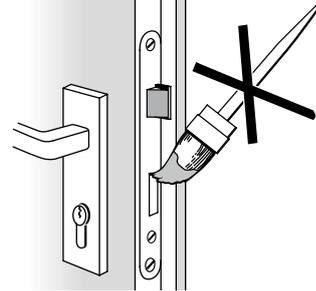
Only apply pressure to the lever handle in the direction of activation. Max. 150 N may be applied to the lever handle. The multi-point lock must be locked only with the associated key.



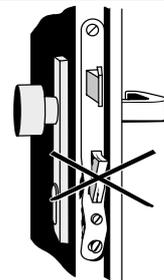
Locking elements must not be misused to hold the door open



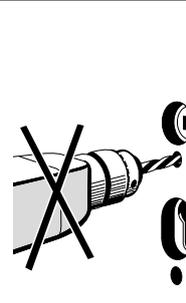
Do not paint



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.

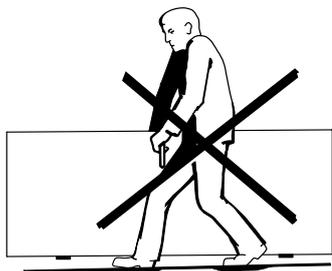


KFV – operating instructions

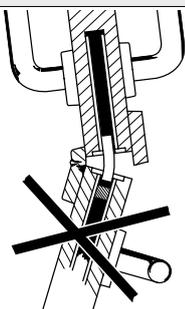
Multi-point locks, key operated, BS 2200, BS 230X, BS 250X



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.



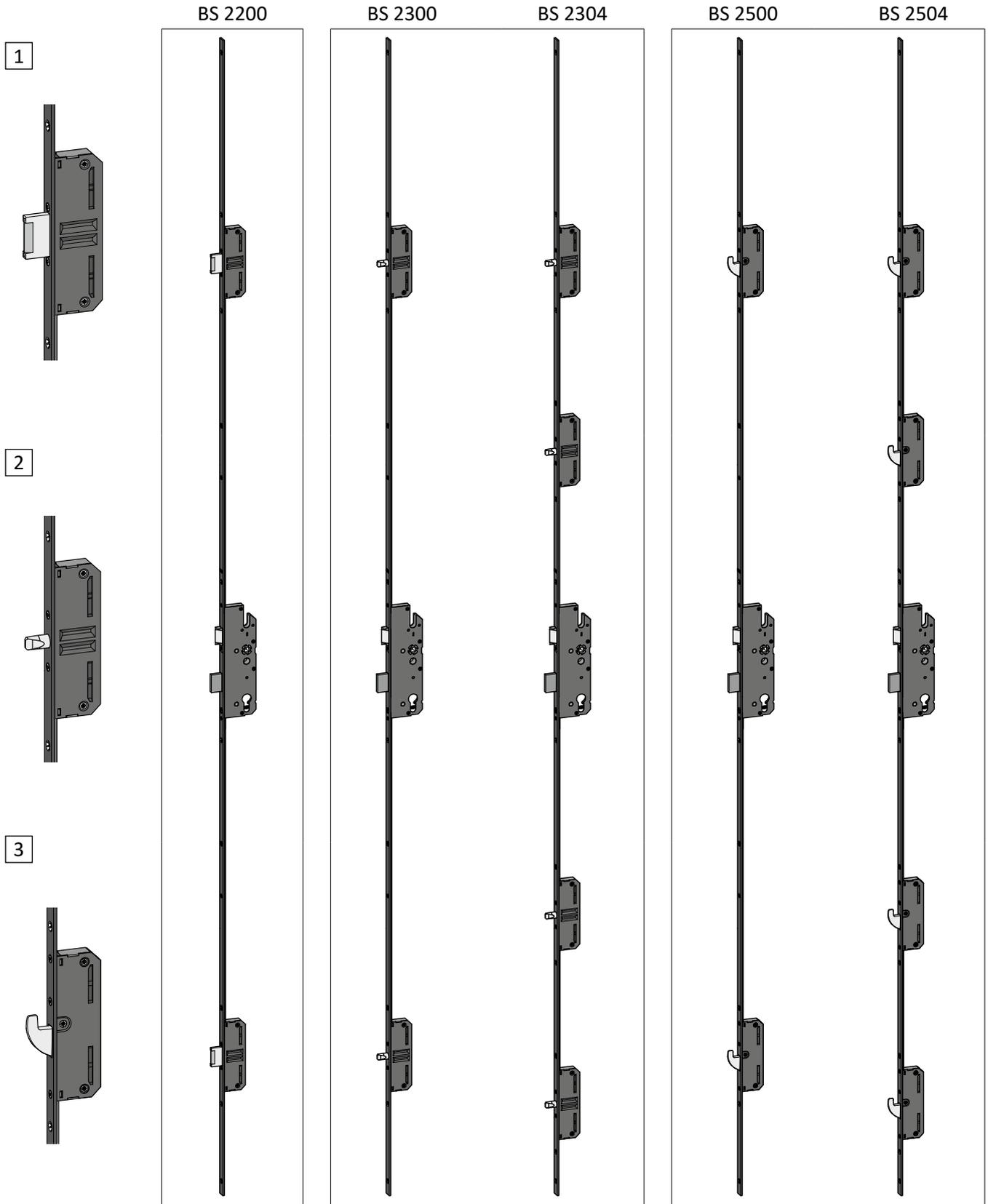
3 Variants and components

The multi-point locks BS 2200, BS 2300 and BS 2500 are equipped with two auxiliary boxes each.

The multi-point locks BS 2304 and BS 2504 are equipped with four auxiliary boxes.

Three versions of auxiliary boxes are available: timber deadbolt [1], round bolt [2], hook bolt [3].

The operation described below is the same for all variants.



4 Operation



The operating steps described below are illustrated by schematic diagrams. The so-called rebate (the stepped projection) on the frame side is omitted for better understanding of the functions. Hence an insight into the locking procedures with the door closed is ensured.

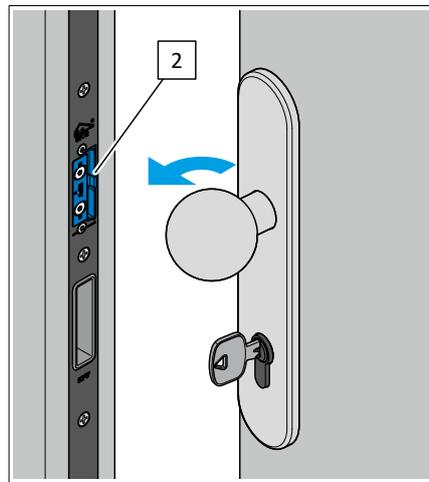
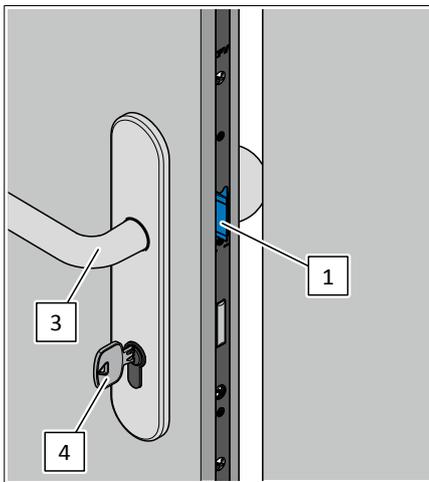


Never activate the key and the lever handle simultaneously

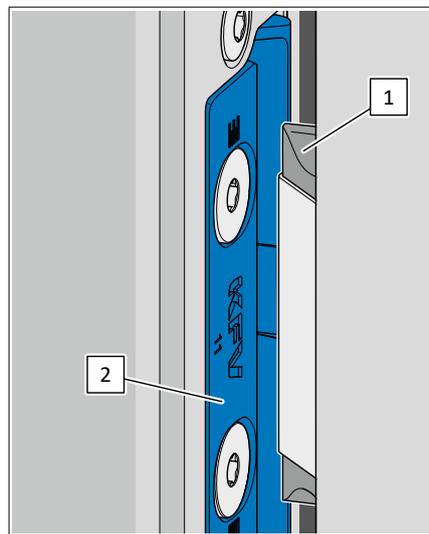
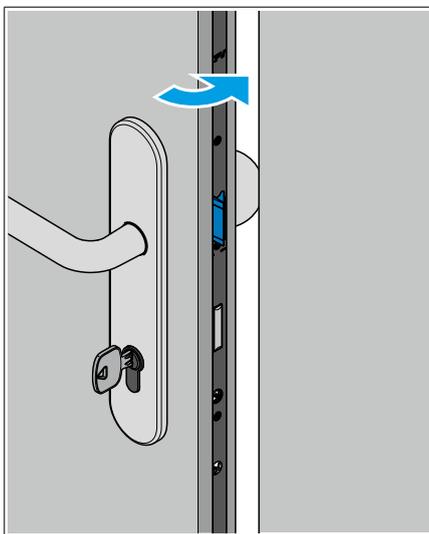
4.1 Locking elements

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.



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.

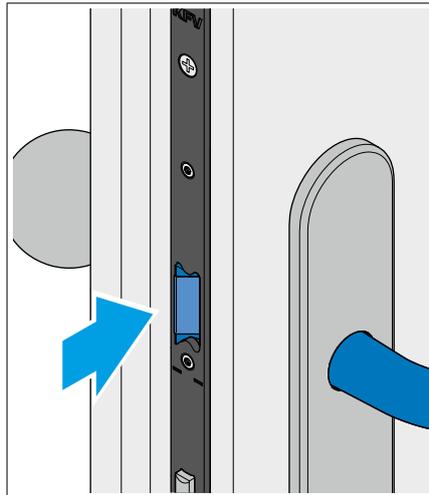
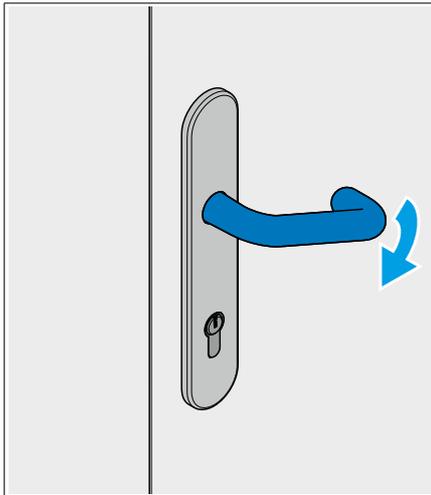


Close the door

- Press or pull the door closed.

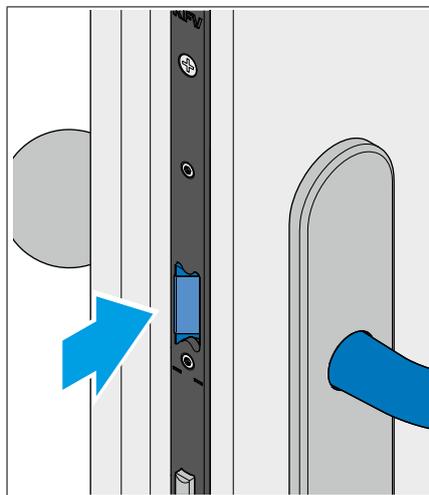
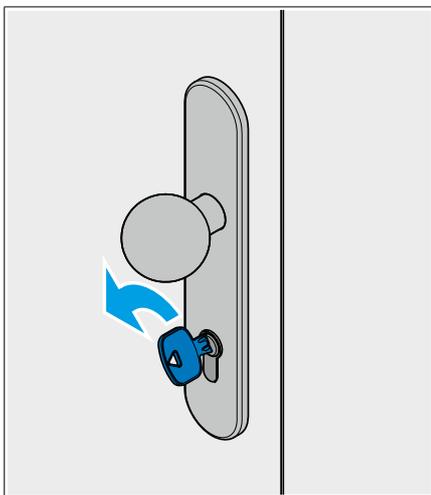
During the closing process, the latch [1] is pushed inwards via its inclined side on contact with the stop piece [2].

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



Open door

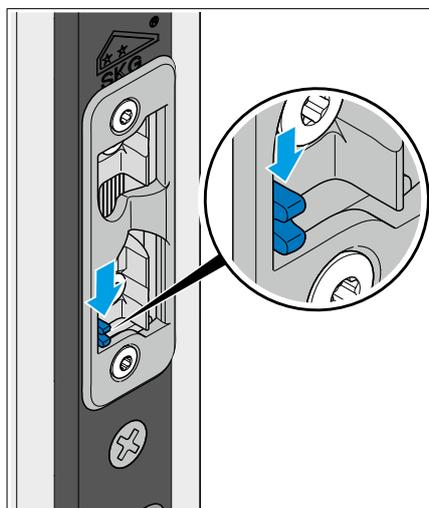
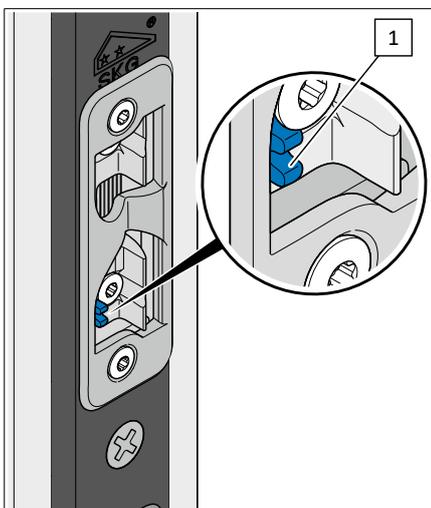
► Activate the lever handle.
The latch is drawn into the gear box and releases the door.



► 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.

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.

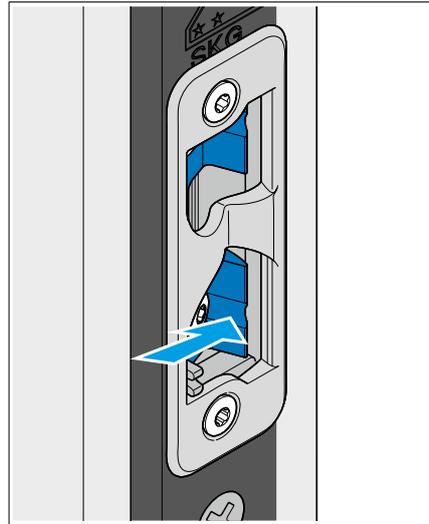
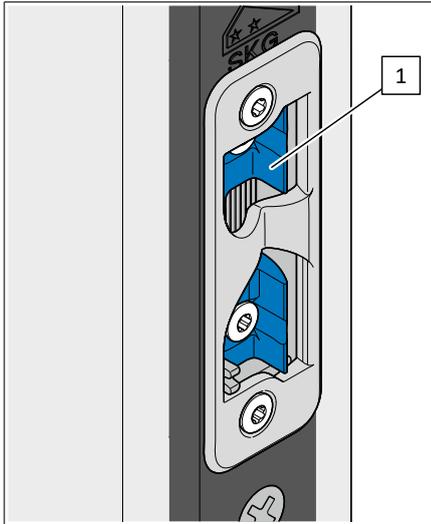


Release of the day latch

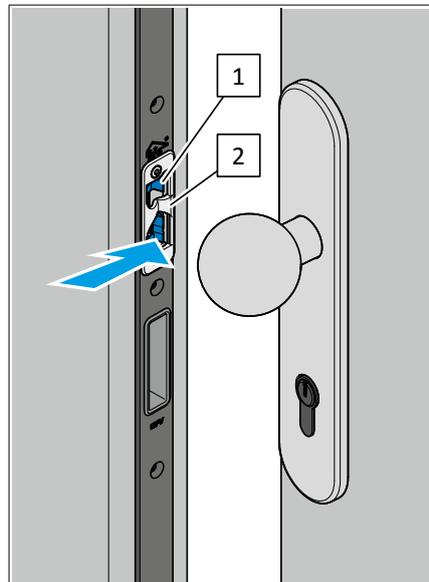
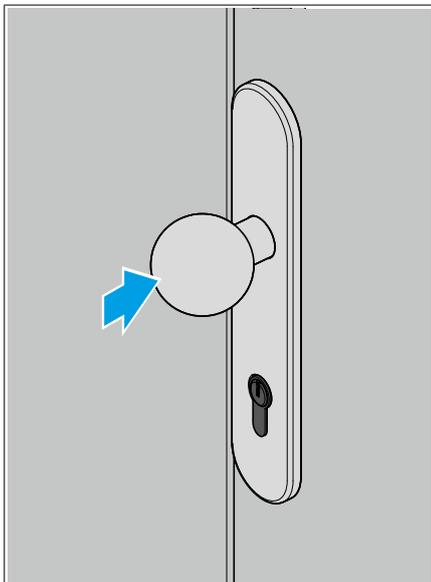
► Move the sliding handle [1] in the direction of the outer edge of the day latch.
The day latch is released and keeps the door closed by means of spring force.

KFV – operating instructions

Multi-point locks, key operated, BS 2200, BS 230X, BS 250X



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

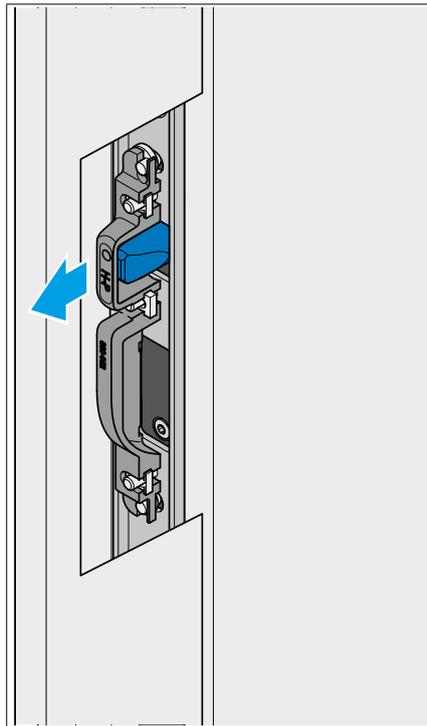
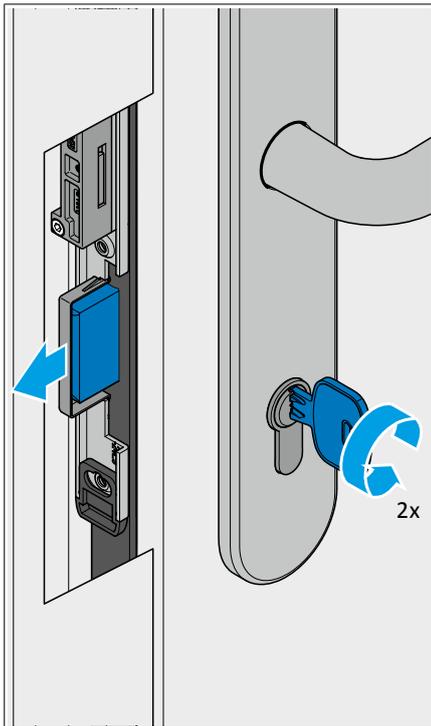


Opening the door from the outside

► 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



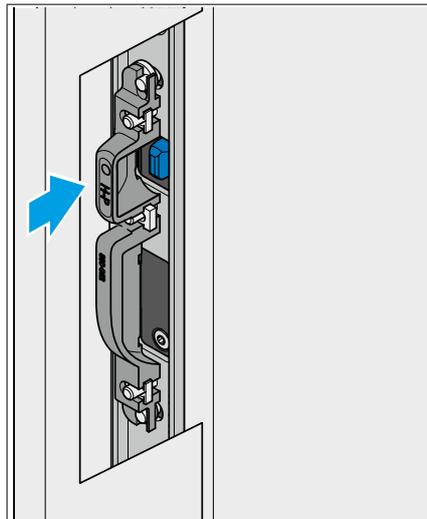
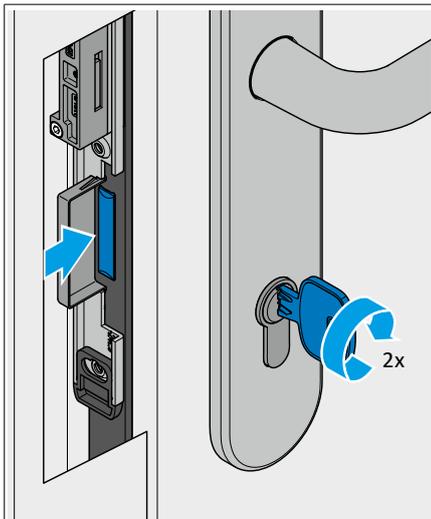
- ▶ Turn the key twice in the locking direction.

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

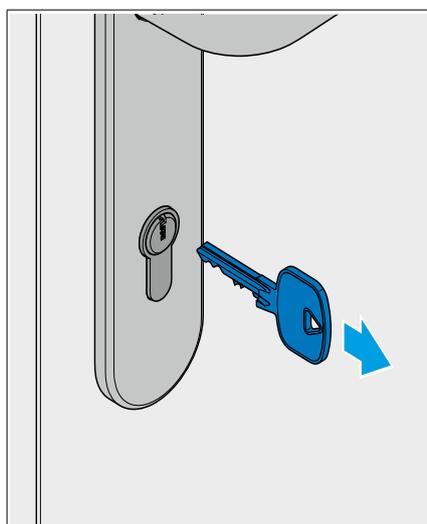
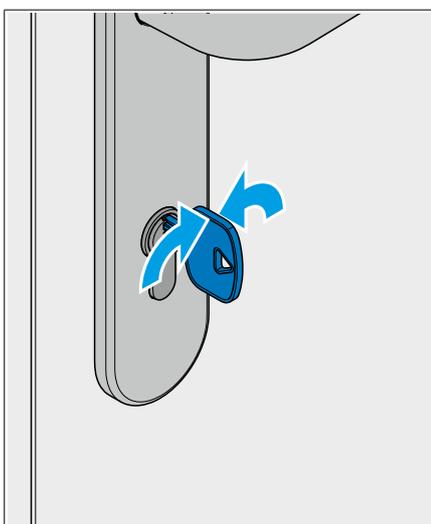


Release

- ▶ 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.

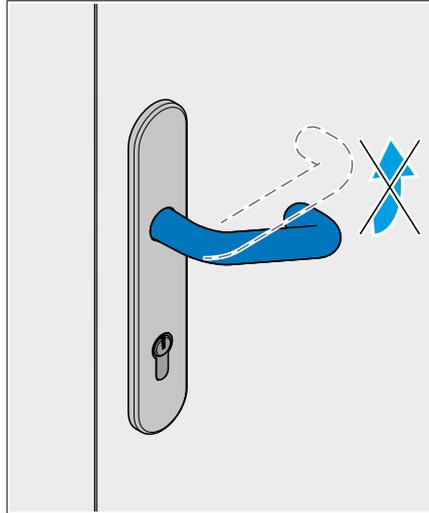
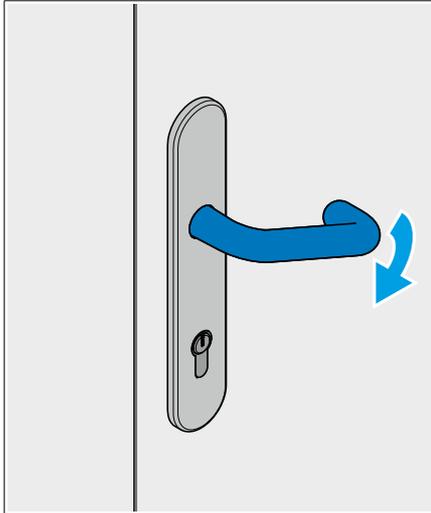
The withdrawal position could be horizontal for other cylinder lock versions.

5 Malfunctions



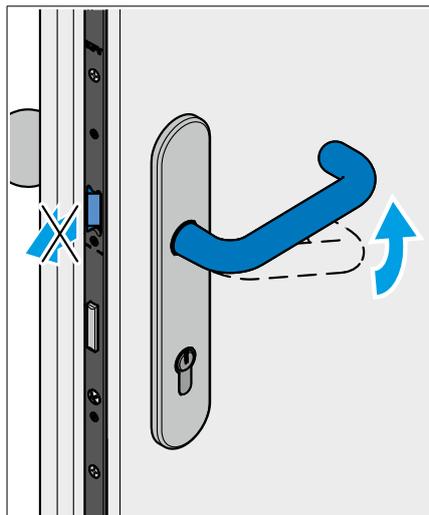
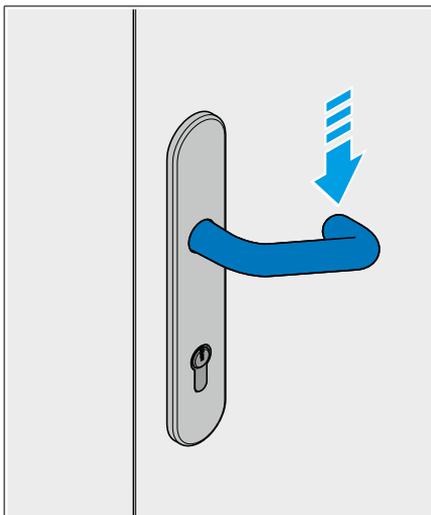
Repair of the multi-point lock is not permissible. In case of damage or malfunction, the multi-point lock must be repaired or replaced by KFV or by a specialist company. Get in touch with your contractual partner for this.

A sequence of potential malfunctions is listed below.



Lever handle

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

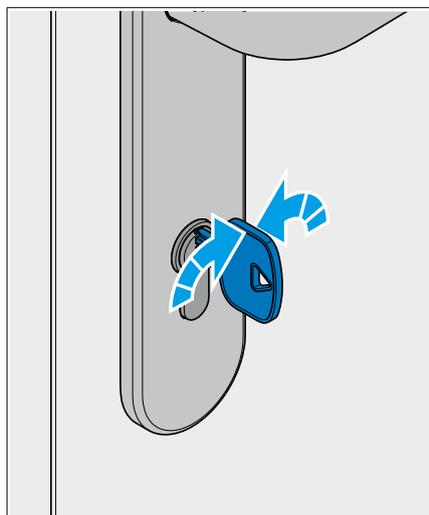
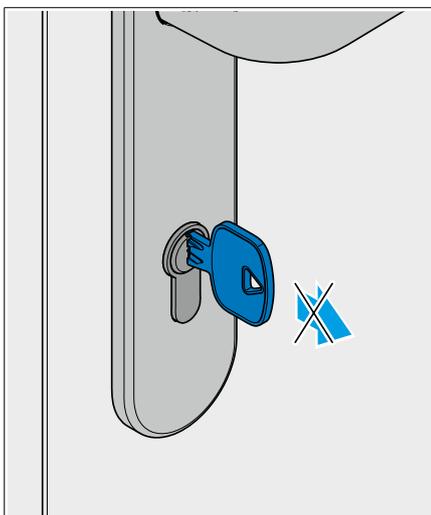


Lever handle

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

Latch

- The latch remains in the retracted position.



Withdrawing the key

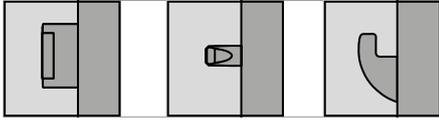
- The key cannot be pulled out.

Turning the key

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

6 Cleaning and maintenance

For KFV multi-point locks, series BS 2xxx.



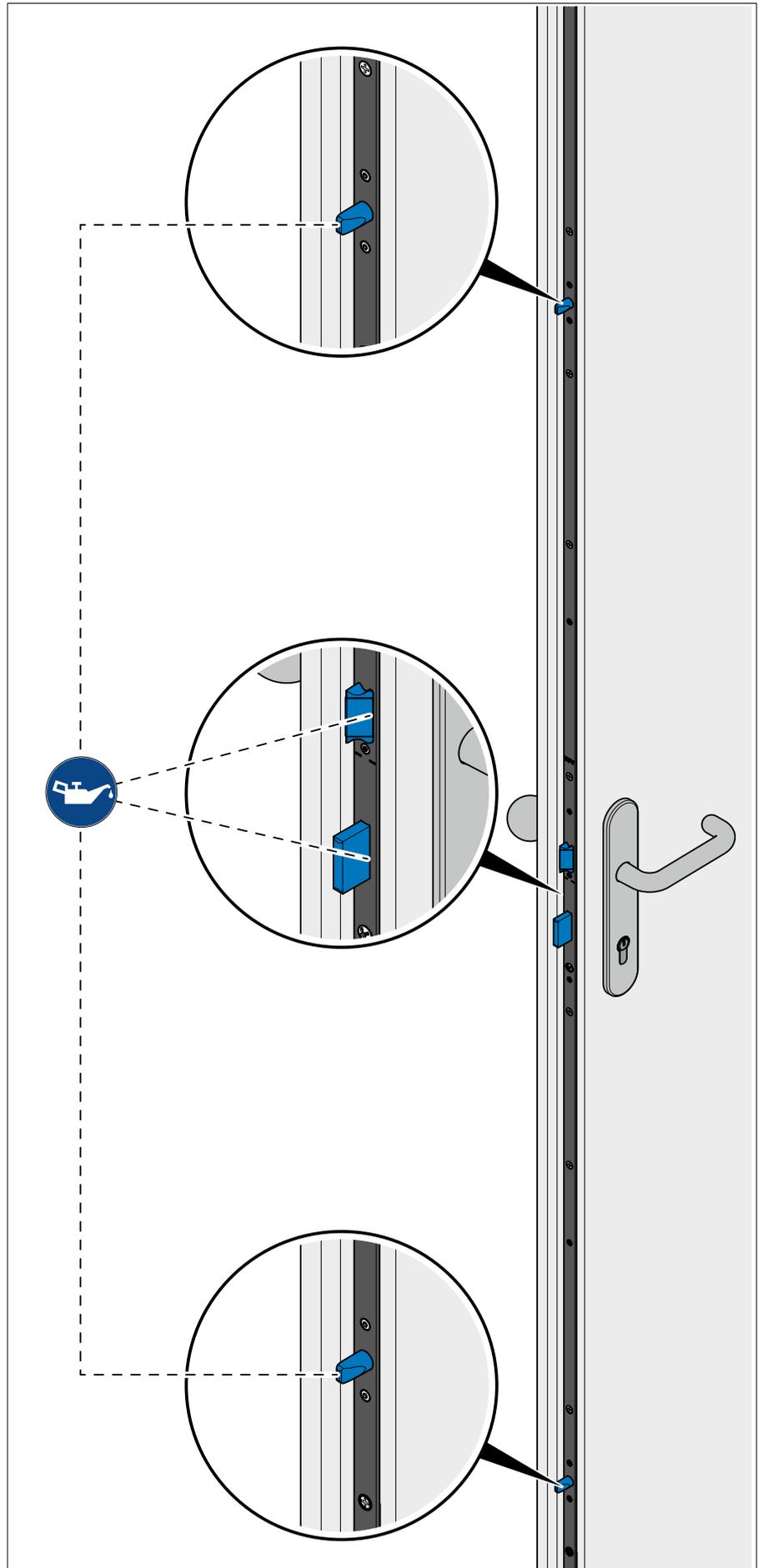
All components of the multi-point lock have already been treated with long-term lubrication and are consequently maintenance-free.



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.



www.siegenia.com



SIEGENIA[®]
brings spaces to life