

SYSTEM 3060



Simons  Voss
technologies

SYSTEM **3060**

Digital locking systems
with access control

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STEP INSIDE!

Open flexibly, lock securely, manage easily.

Only digital systems are able to meet the requirements of contemporary locking technology, linking doors, gates and barriers to a centrally controlled system. Lost keys no longer mean security vulnerabilities. Programming eliminates the need for costly replacement of keys and locking cylinders. Individual access rights are used instead of multiple keys.

This is how we achieve something that is difficult to attain: an intelligent combination of flexibility and security. Delivering this combination in tailor-made systems of the highest quality is the hallmark of SimonsVoss. Quickly and easily expandable, our System 3060 meets even the most complex requirements, including those of large buildings, while operating entirely cable-free. Needless to say, everything is Made in Germany.

THE WORLD OF DIGITAL LOCKING

Secure, transparent and convenient
with SimonsVoss locking systems

Rapid digitisation, growing security requirements and increasingly flexible work and working-time models: Mechanical locking systems are no longer able to keep pace with developments in today's world. Modern, secure, flexible locking is digital, preferably using a SimonsVoss locking system. Incidentally, mechanical locking systems can easily be replaced by digital ones without the need for cabling – whether in new or existing buildings, with few or many doors, in a single building or across multiple sites.

// Greater control and security

At SimonsVoss, security means much more than being able to deactivate lost keys instantly. Security also means that our electronic keys are protected against unauthorised copying. What's more, every access can be time-restricted.

// Greater convenience

A single electronic key for all entrances enables employees and visitors to open and lock doors securely at the push of a button. You also have a comprehensive overview of which users access which doors and when, and can modify access rights instantly and flexibly.

// Greater quality

We have manufactured all components at our own production facility in Germany since becoming pioneers in digital locking technology.

For us, "Made in Germany" quality means short delivery times, long service life, reliable mechanical components, trouble-free operation and, last but not least, minimal energy consumption.

// Better service

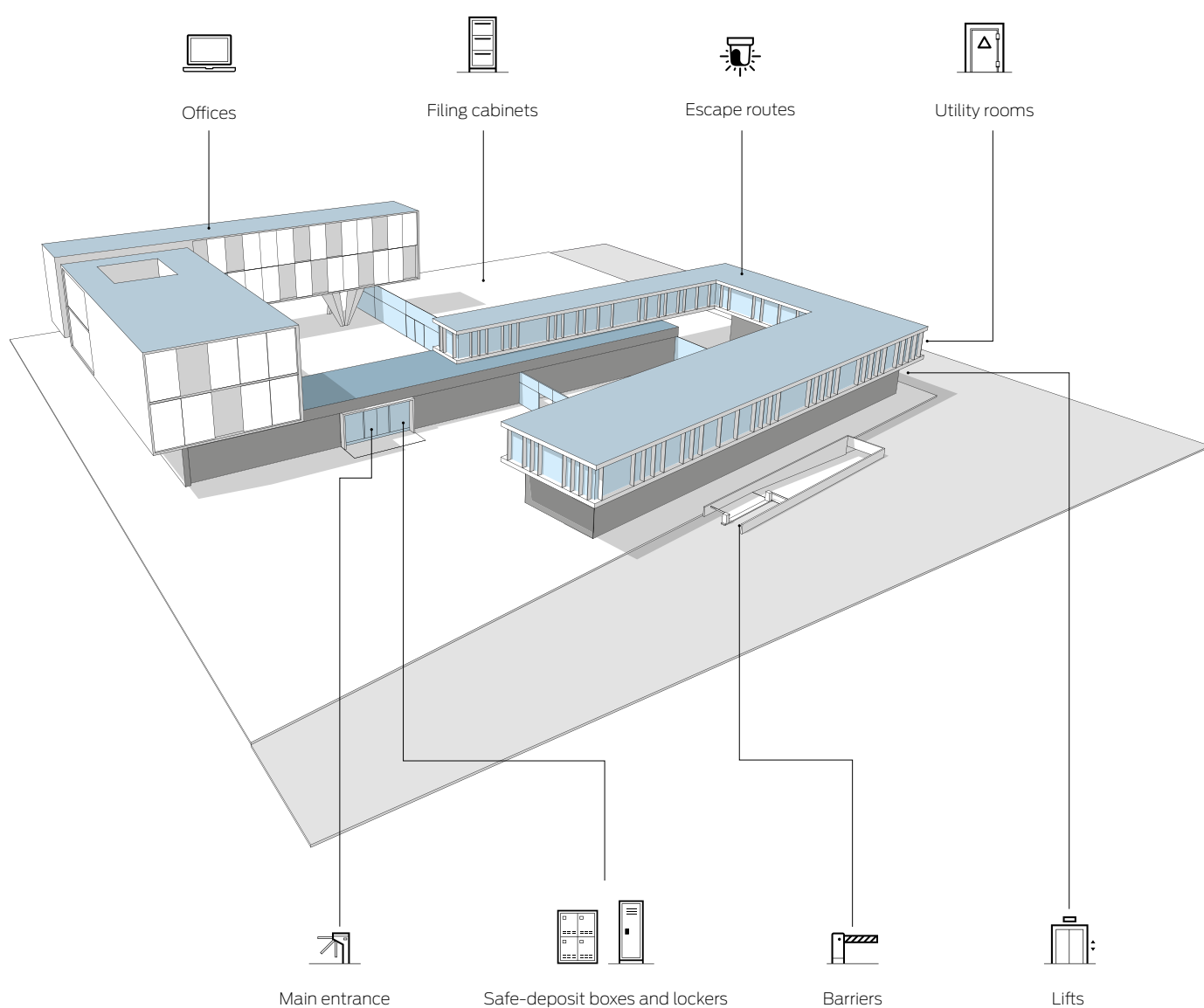
Reliability builds trust. Whether providing support on site, remotely or via our hotline, our service teams are always ready to assist you.

// A future-proof investment

We have always taken the approach that all SimonsVoss locking systems can easily be upgraded with new software and components, even years after their initial installation. That is why we ensure our products and systems offer both backward and forward compatibility.

OFFICES, MAIN ENTRANCES, UNDERGROUND CAR PARKS...

SimonsVoss locking systems cover
virtually every requirement



SYSTEM 3060

The all-in-one digital solution
that simply does more

A locking system for every security requirement. System 3060 integrates all lockable elements into one comprehensive digital solution: from barriers, doors, gates and lifts through to turnstiles and cabinets.

However complex digitally controlled opening and locking may seem, it must always be simple, flexible and convenient to operate. System 3060 wirelessly connects intelligent locking and control components into a tailor-made system. Access, logging, monitoring and control functions can be programmed individually and easily modified at any time.

// Easy to install and expand

With its modular design, System 3060 not only provides customised locking systems; it can also be extended and upgraded at any time. A new extension, more doors, additional control functions: Any changes can be implemented quickly and easily thanks to wireless, battery-powered technology.

// More versatile and secure with active and passive technology

SimonsVoss offers a variety of identification media: the active transponder, the passive smart card or the active transponder as a combination medium with integrated smart card technology. Like a remote key, the battery-powered transponder is secure and convenient to use.

// Reliable quality and long service life

System 3060 installations are future-proof because every component, including earlier versions, remains compatible with and fully functional alongside new technology. These digital system components deliver exceptional quality in terms of materials, engineering and design, providing the foundation for full functionality and reliability.

HOW DIGITAL LOCKING AND OPENING WORKS

DIGITAL LOCKING COMPONENTS

The components recognise all authorised users and perform all monitoring and control functions for the relevant door.



System control

Simons  **Voss**

IDENTIFICATION MEDIA

Transponders and smart cards store all the access rights of their respective owner. If an access authorisation is valid, an identification signal is sufficient to open and lock the corresponding door.



Transponder



Smart card

CENTRAL SYSTEM CONTROL

Access authorisations are managed centrally using the access control software and transmitted to digital locking devices and identification media.



Smartphone



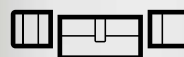
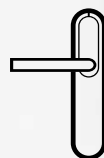
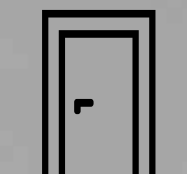
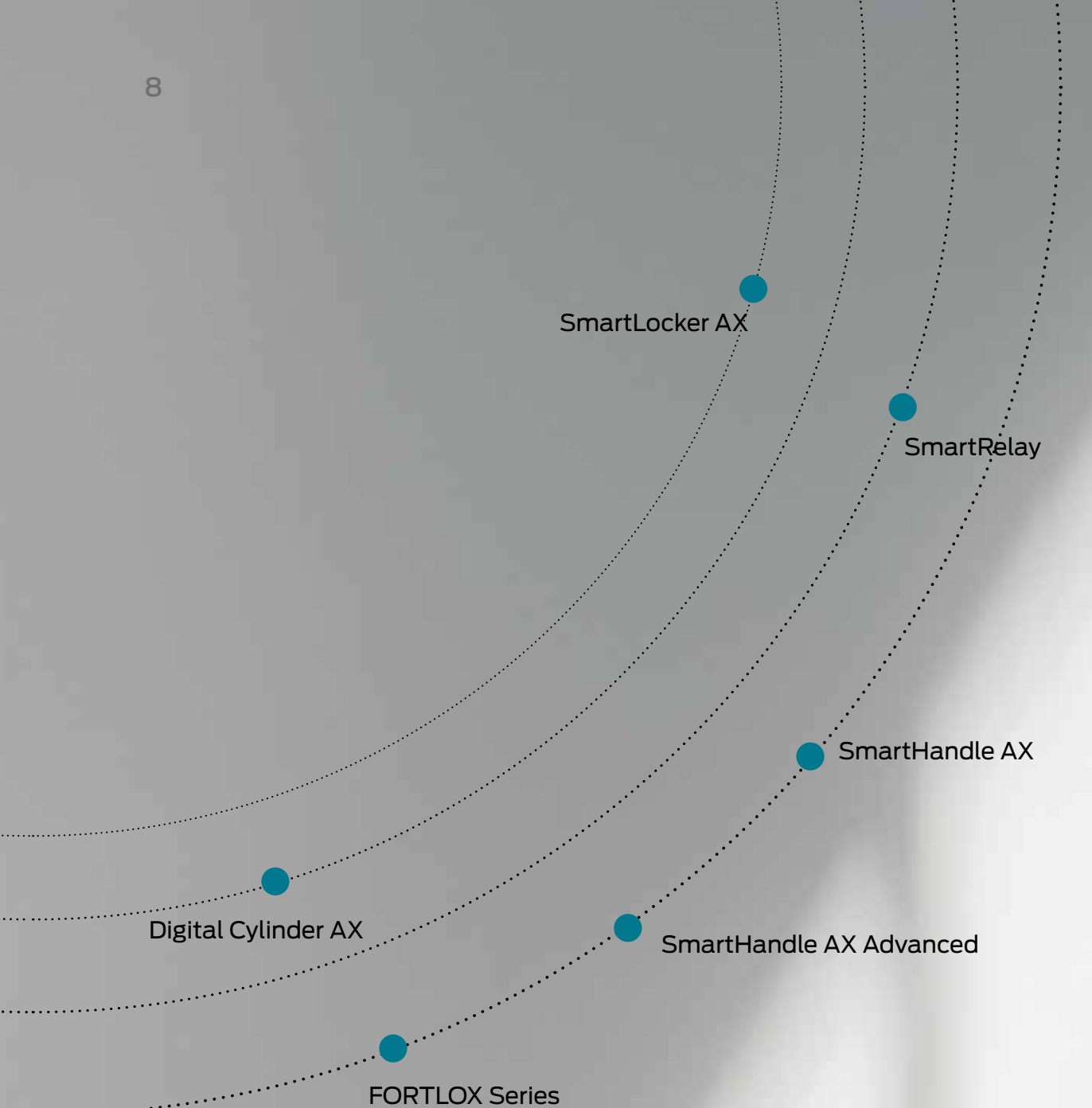
PIN code



Smart tag



FORTLOX Key



OUR INTELLIGENT SYSTEM COMPONENTS

**Cable-free,
radio-controlled and
network-compatible:**

Our locking
components and
identification media are
extremely intelligent
and sophisticated.

DIGITAL CYLINDER AX

High-quality, durable, future-proof

- :: No wiring or drilling. Fast, straightforward installation without the need for special tools
- :: All reader variants, whether active, passive or hybrid, are available and support Bluetooth Low Energy (BLE) technology
- :: Flexible thanks to its modular design
- :: Optimum user convenience thanks to ergonomic thumb-turns and visual and audible feedback
- :: Encapsulated actuator electronics with an integrated Secure Element, which stores encrypted system data and protects it against external attacks
- :: Equipped with core and profile drill protection as standard
- :: Very long battery life: up to 10 years on standby, with a two-stage low-battery warning system
- :: Protected against weather conditions and the ingress of dust and water to IP67

The digital locking cylinder contains all the intelligence required for locking and access control. Available in a wide variety of designs, it offers an extensive range of locking, monitoring, logging and control functions.





SMART HANDLE AX

Next keyless generation:
Intelligent fittings for interior doors



SmartHandle AX marked the beginning of the new, even more powerful generation of SimonsVoss system components: the next keyless generation.

Greater security, greater convenience, greater intelligence:
SmartHandle AX sets a new quality standard.

// Increased access security and performance

The innovative security architecture is a key advantage of SmartHandle AX. The Secure Element, a separate unit, efficiently stores and encrypts all security-relevant data.

// Adaptive design for maximum flexibility

SmartHandle AX features a modular design. This means it can be flexibly adapted to all door configurations, with adjustments for door thickness, centre distance and spindle.

The lever handle can be fitted on the left or right. It offers exceptional design flexibility, with four different SimonsVoss handles to choose from and the option to combine them with widely available handles from renowned manufacturers.

:: Various SimonsVoss handle variants and finishes in different colours

:: Modular design: Door thickness, centre distance and spindle can all be adapted.
The lever handle can be fitted on the left or right.

:: Can be combined with handles from renowned manufacturers

:: Proven durability over one million operating cycles (DIN EN 1906)

:: Can be operated online and in a virtual network

:: Manages up to 64,000 credentials



SMART HANDLE AX ADVANCED

Security for exterior doors
in all weather

The advantages of SmartHandle AX Advanced are particularly evident when used on exterior doors, security doors and escape routes.

// Weatherproof and watertight

In the WP version with an IP66 rating, the SmartHandle AX Advanced is fully protected against environmental influences such as dust and direct water jets, making it ideal for free-standing exterior doors such as fence gates. The wireless connection between the outer and inner sides provides optimum protection for the electronics and eliminates any electronic vulnerabilities.

// Maximum certified burglary protection ES3/SKG***

The version with a security fitting uses robust fastening screws and a metal plate to prevent unauthorised tampering. An additional mechanical cylinder is protected by a casing and installed so that it does not protrude.

// Can be combined with panic bars for escape and rescue routes

The A4 version of SmartHandle AX Advanced for panic bars can also be used on escape and rescue routes in

accordance with DIN EN 1125. A mounting adapter allows a panic bar to be attached to the inside of the door, releasing the escape route in an emergency.

// High rotation angle for maximum compatibility

With a high rotation angle of up to 50°, SmartHandle AX Advanced ensures broad compatibility with various locks and door systems. The particularly robust handle return mechanism guarantees that even heavy handles always return reliably to their original position.

// Wide range of variants for different installation requirements

SmartHandle AX Advanced is available in a wide range of variants. This variety ensures that no additional drilling is required for most installation scenarios.

:: Weatherproof – suitable for exterior doors

:: Maximum certified burglary protection

:: Compatible with panic bars for escape and rescue routes

:: Suitable for solid-core doors and metal frame doors

:: Also available in variants with mechanical secondary locking device



SMART LOCKER AX

The digital locker lock in SimonsVoss quality

SmartLocker AX enables the digital locking and opening of cabinets and lockers.
It is extremely flexible and can be installed without drilling.

:: Visual and audible feedback:

Visual and audible signals indicate whether the lock has been opened or closed (can be deactivated).

:: Quick-Click installation:

Our Quick-Click system makes installation even easier. No additional mounting holes are required.

:: Low-priced standard batteries:

Replacement is quick and easy.

:: Fully customisable:

The platform offers the right variant for every cabinet door.

:: Durable:

Up to 50,000 openings without changing the battery, depending on the reader technology and operating mode.

:: Emergency power supply via USB:

If the batteries are flat, SmartLocker AX can simply be powered and opened via a USB port using a back-up power supply.

:: Anti-sabotage contact on the cover:

Any attempts at tampering can be displayed in the software.

:: No more deadbolt blocking:

The pre-tensioned bolt spring prevents the bolt from jamming if the locker is overfilled and objects are pressing against the inside of the locker door.

:: Quick, convenient adaptation with bolt inserts:

The inserts allow SmartLocker to be optimally aligned with cabinet and locker doors.



SMART RELAY

For intelligent operation and control without locking cylinders

The elegant SmartRelay performs a variety of functions: access control reader, gateway in virtual networks or controller for technical systems and devices.

// Access control reader

Barriers, gates and lifts: Some entrance points without locking cylinders still require electronic access control. SmartRelay performs this task safely and reliably, both indoors and outdoors.

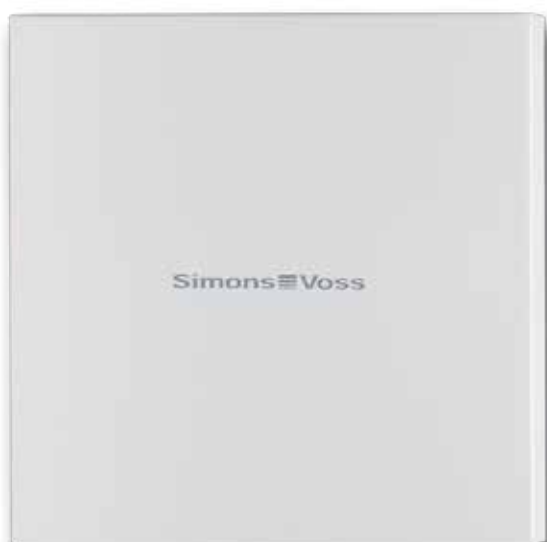
// Control of technical systems and devices

SmartRelay can be connected to third-party technical systems, such as time recording solutions, to control them or exchange data with them.

// Gateway for virtual networks

In a virtual network locking system, SmartRelay acts as a central gateway. It transmits new or modified access rights to identification media, ensuring that every user has up-to-date access authorisations.

→ More on the virtual network on page 25 onwards.



:: Depending on the variant, active and passive access media can also be used with the AX2Go smartphone app

:: Controls lights, gates, barriers, machines and similar electrical equipment

:: Transmits data from identification media to third-party systems, such as time recording systems, canteen payment systems and facility management systems

:: Transfers data in virtual networks (depending on the variant)



Barrier



Turnstile



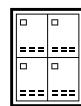
Roller door



Lift



Server room door



Safe-deposit boxes



Filing cabinet



Poison cabinet

FORTLOX SERIES

The mechatronic locking system designed for the specific security demands of critical infrastructure (KRITIS)

The mechatronic FORTLOX Series locking system provides reliable security for technical infrastructure facilities, public buildings and large corporate sites.

Consisting of the FORTLOX Cylinder and FORTLOX Key, the system can be managed centrally or locally via software.

The FORTLOX Cylinder is weatherproof, robust and entirely maintenance-free, making it ideal for infrequently used outdoor areas and demanding installation environments where secure protection is essential. It is operated using the intelligent FORTLOX Key, which securely stores all relevant access authorisations. Access rights and time restrictions are transmitted to the key via the SmartStick AX, the SYNC2Go application or SmartRelay 3.



FORTLOX Key

- :: Access rights are stored on the key of the mechatronic locking system and can be updated via SmartRelay or smartphone.
- :: The FORTLOX Key can also be used as a transponder – for example, for thumb-turn cylinders and fittings within the SimonsVoss System 3060 environment.
- :: The FORTLOX Key is a multifunctional identification medium that serves not only as a key, but also as an active transponder, BLE communication interface and optional RFID medium.



FORTLOX Cylinder

- :: Battery-free and therefore entirely maintenance-free
- :: Flush-mounted and well protected against damage
- :: Also available in a dust-tight and water-resistant WP version with an IP67 protection rating
- :: Certified to the highest level in all relevant DIN EN 15684 categories
- :: Fully integrable into the SimonsVoss System 3060 environment



FORTLOX Half Cylinder

The Half Cylinder is suitable for doors with single-sided access or swing handles.



FORTLOX Lever Cylinder

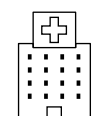
The Lever Cylinder is particularly suitable for cabinets and vending machines.



FORTLOX Padlock

The Padlock is ideal for fences, gates, sheds and containers.

Sectors where FORTLOX is used



Healthcare



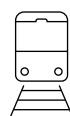
Electricity & water supply



Wind farms



IT & telecom



Transport & logistics



Cities & municipalities



Education



Corporate sites

SECURE IDENTIFICATION MEDIA WITH ACTIVE AND PASSIVE TECHNOLOGY

Unlock doors using a transponder, FORTLOX Key, mobile phone or smart card

Identification media should be as tamper-proof and convenient as possible.
Different media are ideal for different requirements.



The transponder:
Robust and intelligent

Transponders with active technology offer the following advantages: extensive operating range, a long service life and high storage capacity for all types of data. The robust casing protects the reading electronics. Our battery-powered transponder releases the door at the push of a button.



The AX2Go smartphone app:
Mobile and convenient

AX2Go is a mobile key for opening digital AX locking components using Bluetooth Low Energy (BLE). Once the locking authorisations have been stored in the app, the smartphone can be used like an access card or transponder. Mobile – easy – secure.



The FORTLOX Key:
For multifunctional use

The intelligent key for FORTLOX and other 3060 components. It serves as a key, active transponder, BLE synchronisation interface and optional RFID medium – all in one.



The smart card:
Inexpensive and flexible

The smart card is ideal for temporary use, among other applications. If lost, it can be replaced cost-effectively.

EASY TO INSTALL, COST-EFFICIENT TO OPERATE

Energy-saving technology, low maintenance, central administration

// No drilling, no dust, no cabling

The digital locking components are designed for quick, straightforward installation without drilling. Thanks to the modular system design, they can be used for virtually any application and fit almost anywhere.

// Lower lifecycle costs, greater convenience

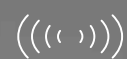
It is the long service life and exceptional reliability of the locking components that make our locking systems so economical to operate. We also place great emphasis on highly energy-efficient electronics. As a result, the batteries in locking cylinders and transponders last for years and can be replaced in seconds, minimising maintenance requirements.

FLEXIBLY COMBINED AND EASILY EXPANDED

System 3060's open, modular design also helps save time and money: The system can be subsequently reconfigured or expanded at any time with additional doors, floors, buildings or locations.

As you would expect, we continuously refine our components, making them even more intelligent and extending their capabilities. At the same time, we ensure universal compatibility, providing our customers with investment security.

- ⌘ Minimum maintenance requirements
- ⌘ Energy-saving electronics, long-lasting batteries
- ⌘ Simple retrofitting for new electronic functions and technologies
- ⌘ Fully backward- and forward-compatible components
- ⌘ Simple, flexible system upgrades



Control and
response options

Between offline
and online operation

System management

MY SYSTEM 3060

**Modular, flexibly
expandable and
freely combinable.**

Take advantage
of everything
System 3060 has
to offer for your
tailor-made digital
locking system.

ADMINISTRATION SOFTWARE FOR LOCKING SYSTEMS

For customised, convenient system management

In a digital locking system, system administration software links intelligent system components with users and their identification media. System 3060 currently offers two software generations: the new AX Manager (AXM) and the proven Locking System Management (LSM) software.

The locking system administration software enables you to carry out all configuration, operation and management tasks in your System 3060 quickly and conveniently:

- ⌘ Creation and administration of the locking plan (matrix view)
- ⌘ Programming and administration of identification media
- ⌘ Programming and management of all components, such as locking cylinders, SmartHandles and SmartRelays
- ⌘ Creation of various lists, reports and logs, e.g. for access authorisations and programming requirements for locking components if a transponder is lost.

// Different editions for every requirement

The larger the building and the more complex the security requirements of its locking system, the more extensive the software functionality needs to be. For this reason, each software generation offers an edition model tailored to your requirements. Locking systems can be upgraded to a higher edition at any time to expand functionality.

AXM Lite

Simple locking plan administration for small systems:

- ⌘ Up to 20 doors and 100 active transponders
- ⌘ Software and data installed locally on a computer

AXM Classic (see LSM Basic)

Standard locking plan administration for small and medium-sized systems:

- ⌘ Any number of local databases and locking systems
- ⌘ Up to 64,000 doors and users per locking system
- ⌘ Supports both transponders and smart cards within the same system

AXM Plus (see LSM Basic Online)

Additional optional functions:

- ⌘ Can be expanded with cloud services such as AX2Go
- ⌘ Virtual and direct networking
- ⌘ Integrated update and support service

LSM Business Edition

Additional functions:

- ⌘ Multi-user system for large systems
- ⌘ Decentralised system administration (client- server installation)
- ⌘ Integrated reporting
- ⌘ Task and event management

LSM Professional Edition

Additional functions:

- ⌘ Use of multiple databases on the server
- ⌘ Operation in a terminal-server environment

THREE DATA TRANSFER VARIANTS

Comparison of the advantages:
offline, virtual network and online

Data can be transferred from the software to the identification media and locking components in three different ways: using a programming device (offline), via a gateway using identification media (virtual network) or by radio using a WaveNet router (online).

// Small buildings and simple requirements

Offline operation may be sufficient for small locking systems. Choosing offline operation for your system does not limit your future options. You can migrate from an offline to an online (networked) system at any time with minimal effort.

// Large buildings and multiple sites

Large buildings, stringent security requirements and different types of employee and visitor traffic require a networked system with comprehensive real-time control and locking functions.

We offer two networking options for optimum building protection:

- ▣ Our proven WaveNet radio network
- ▣ Our virtual network via gateways

Both options can also be combined to create a network tailored precisely to your requirements.



OPTION 1: OFFLINE MODE

If the number of doors is manageable and changes to access rights are infrequent, a System 3060 installation can be operated efficiently in offline mode. The components are managed in the locking plan software.

A unique SimonsVoss feature is that the updated data can be transferred either to the locking components or to the identification media using the programming device, whichever is more convenient.

// Characteristics of an offline locking system:

- Cost-effective solution for small systems
- Administration software installed centrally on a computer



**ACCESS TO THE
LABORATORY IS
ONLY PERMITTED
AT FIXED TIMES.**

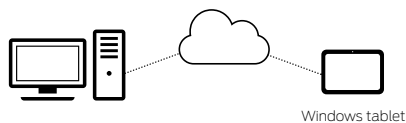
1

Locking times programmed in the LSM software



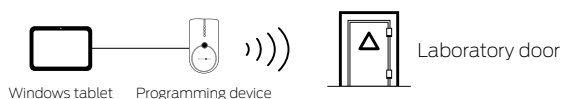
2

Data transferred to the relevant door manually



3

Wireless on-site data transfer to the locking components using the programming device



OFFLINE:

WITHOUT NETWORKING



OPTION 2: VIRTUAL NETWORK

Only gateways are networked in a virtual network. Access authorisations modified in the software are transmitted to the gateways via Ethernet. Identification media that are read at the gateways distribute the information to the locking components and also carry new data back to the gateways.

// The advantages:

- ❑ Less infrastructure required, as only central gateways are networked
- ❑ Low administration requirements, particularly for large locking systems
- ❑ Online activation also available for individual doors requiring enhanced protection
- ❑ Locking components can be re-programmed at any time using the programming device



**AN EMPLOYEE NEEDS
TO BE GRANTED
ACCESS RIGHTS TO
THE SERVER ROOM.**

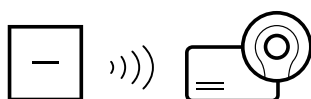
1

The new access right is transmitted to gateways/SmartRelays



2

The data is transferred to the employee's identification medium

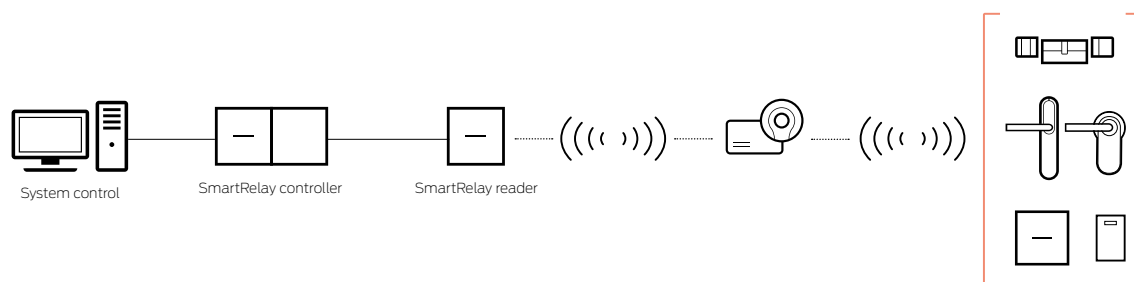


3

The updated information on the identification medium immediately determines whether the locking component can be opened



PARTIAL NETWORKING: VIRTUAL NETWORKING



OPTION 3: ONLINE NETWORK

With online networking, you have access to the full range of System 3060 functions. Data is exchanged in real time. You decide which doors are networked online – whether all doors or only security-critical ones. The system can also be expanded at a later date.

// The advantages:

- ⌘ Immediate response to lost keys
- ⌘ Real-time programming of locking components
- ⌘ Central activation of protective functions (e.g. emergency release)
- ⌘ Warning messages (by email) for critical events such as attempted door tampering
- ⌘ Automatic low-battery warnings



**MISSING
TRANSPONDER?
NO PROBLEM!**

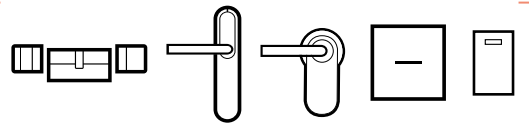
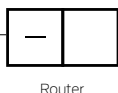
1

Signal sent to the central system control



2

The transponder is immediately disabled centrally
(online notification to all relevant locking components)



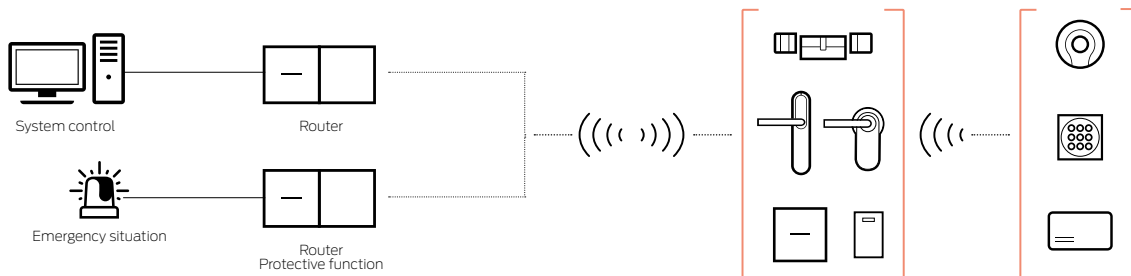
3

A new transponder is programmed and issued with individual access rights



ONLINE:

DIRECT NETWORKING



FOCUS ON SECURITY

Transparency and security to meet the requirements of different sectors

Today's locking systems must meet demanding requirements, whether they are installed in an SME, a large corporation, a hospital, a bank or a public authority. Digital locking systems with access control play a central role in securing buildings and facilities.

Today, many buildings contain restricted areas that are accessible only to authorised personnel at certain times. These include server rooms, laboratories and development departments. It is therefore essential that employees, as well as internal and external visitors, are assigned clearly defined access rights. Thanks to its extensive range of components and functions, System 3060 offers the right solution for every application.

// Security with System 3060 means:

- ⌘ Simple, centralised control
- ⌘ Immediate deactivation of lost identification media
- ⌘ Freely configurable access rights and access times that can be changed at any time
- ⌘ Optional logging of access events



Heiko Eckstein
General Manager

Bernhard Sommer
Chairman of the Executive Board

THE SIMONS VOSS PROMISE

30 years ago, we paved the way for digital locking technology. Since then, we have pursued a clear aim with our systems: intelligent security. This aim is achieved through our firm commitment to high quality, reliability and innovation. And our pledge to finding a sustainable answer to each individual security requirement.

Our customers seek security of investment. We have everything to provide it to them:

- ⌘ Sophisticated, modular locking systems and an extensive product portfolio
- ⌘ System components that are backward- and forward-compatible
- ⌘ Low-maintenance technology that works easily and on a lasting basis
- ⌘ Support that is proficient, friendly and swift to arrive



This is SimonsVoss

SimonsVoss, the pioneer in remote-controlled, cable-free locking technology provides system solutions with a wide range of products for SOHOs, SMEs, major companies and public institutions. SimonsVoss locking systems combine intelligent functionality, high quality and award-winning design. Made in Germany. As an innovative system provider, SimonsVoss focuses on scalable systems, high security, reliable components, powerful software and simple operation. As such, SimonsVoss is regarded as a technology leader in digital locking systems. Our commercial success lies in the courage to innovate, sustainable thinking and action, and heartfelt appreciation of employees and partners.

SimonsVoss is a company in the ALLEGION Group, a globally active network in the security sector. Allegion is represented in around 130 countries worldwide (www.allegion.com).

Made in Germany

SimonsVoss is truly committed to Germany as a manufacturing location: all products are developed and produced exclusively in Germany.

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For general safety and maintenance information, visit www.simons-voss.com/en/security.html

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SimonsVoss
technologies

A BRAND OF **ALLEGION** 

Made in Germany