API

Simons≡Voss
technologies

System 3060
Digital Locking Systems

ABOUT SIMONSVOSS

We aim to make your life and working environment safer, more convenient and cost-effective. To achieve this, we have revolutionised conventional mechanical locking systems using digital technology and integrated access control functions.

Our idea of using a digital transponder or smart card instead of a conventional key has spread worldwide. We have consistently and successfully implemented this vision based on the wireless, cable-free locking and Access Control System. SimonsVoss have installed more than 11,500 systems around the world, expanding our vision into reality.

Based in Germany, all of the technology is German made and engineered with the philosophy of creating a keyless world using one system platform that's simple to install, operate and provides maximum security.

CONTENTS

THE COMPLETE WORLD OF DIGITAL LOCKING

Digital locking systems can easily replace mechanical locking devices anywhere with cable free installation. Whether your building is new or old, has many doors or a few, is a single building or multiple, our team has a suitable solution to match every need.

// Control and security

For us, security means more than being able to deactivate lost keys instantly. Security means that our electronic keys are protected against unauthorised copying and that our solutions allow you to control access to restricted areas centrally with cable-free door monitoring. Every access point can be time-restricted and documented for auditing purposes.

// Convenience

An electronic key for all entrances provides door security with trouble-free access for your employees and visitors. You have a complete overview of who gains access through every door in your building and can modify user access rights instantly.

// Reliable quality

All technology is designed and manufactured in Germany. For us, German-made quality means long service life, reliability of the mechanical components, trouble-free operation and, last but not least, minimum power consumption.

// Service

Our service teams are ready to help you whether you need assistance on site or remotely.

// Completely future-proof investment

We take an approach where all SimonsVoss locking systems can be upgraded with new software and new components at an affordable price, even years after initial installation. That's why we ensure our products and systems feature full backward and forward compatibility.

// Simple maintenance

Our battery powered smarthandles have up to 200,000 operations in their battery life or up to 10 years on standby. This ensures years of operation without needing to change batteries, providing the locks are maintained to the manufacturers specifications.
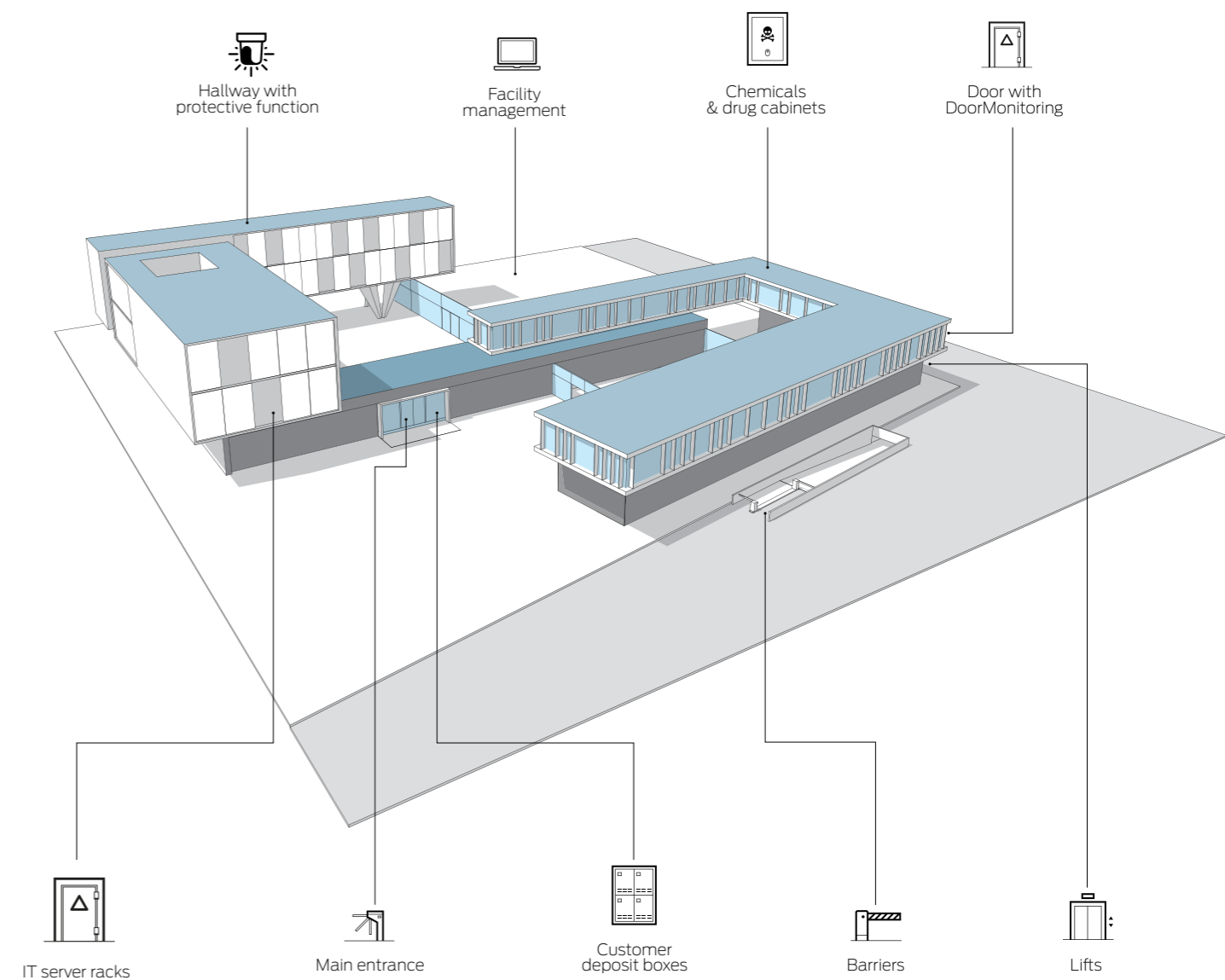
// Award winning design

Our elegant handles enhance the design of your building on a visual level.

// Cost effective

Integrate with your existing IT infrastructure so you never have to worry about paying to change your security system again.

OFFICES, MAIN ENTRANCES, UNDERGROUND CAR PARKS...

Locking systems by SimonsVoss cover virtually every door installation

Hallway with protective function

Facility management

Chemicals & drug cabinets

Door with DoorMonitoring

IT server racks

Main entrance

Customer deposit boxes

Barriers

Lifts

SYSTEM 3060

A locking system for every security need. Locking System 3060 integrates all lockable elements into an all-inclusive digital solution: from doors, gates and lifts through to turnstiles, barriers and drawers. There's nothing that System 3060 cannot do.

However complex controlled opening and locking may be, it must be simple, flexible and convenient in its operation. System 3060 installs network intelligent locking and control components in a custom-designed overall system without any cabling. Access, logging, monitoring and control functions can be programmed individually and are easy to change at any time.

// Easy to install and expand

Structured in modules, System 3060 not only provides customised locking systems; it can also be extended and upgraded any time. Any changes can be implemented quickly and inexpensively thanks to cable-free, battery-powered technology. Whether you add doors, require extra control functions or have a building extension, you never need to worry about replacing your security system again.
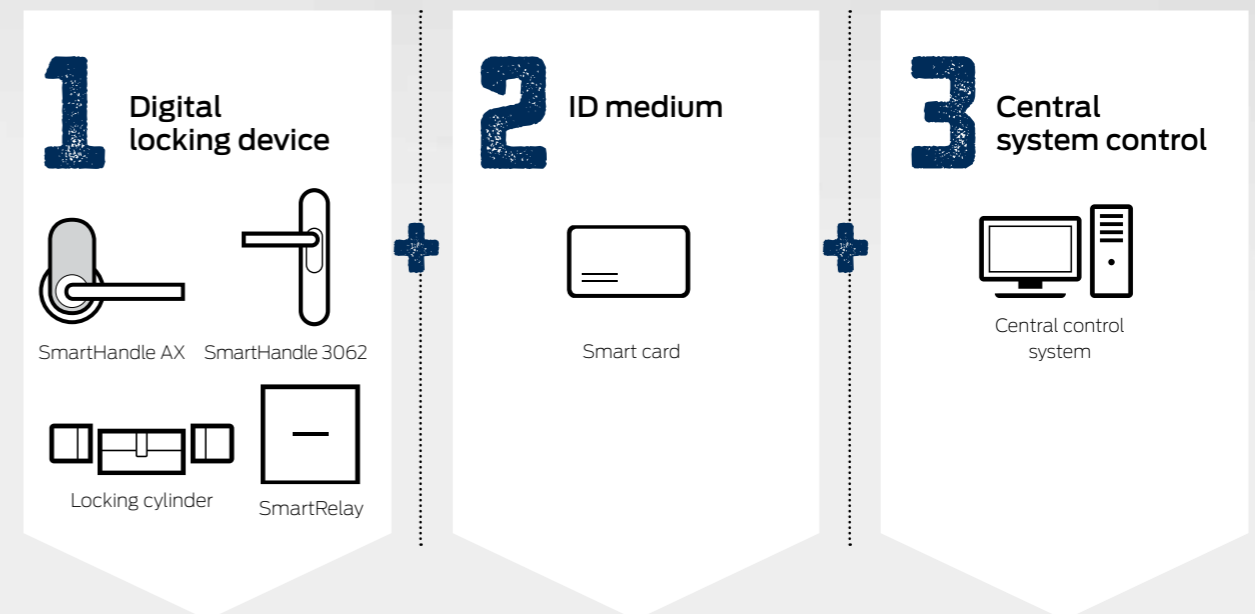
// Secure technology

We offer a SmartCard that talks to a battery-powered transponder that delivers major advantages in terms of security and convenience. Smart cards with a chip are particularly useful for time-restricted access or if a company already uses cards.

// Reliable quality and optimum service life

System 3060 installations are supremely future-proof as all the components and versions are compatible and functional with new technology. The digital system components are of top quality in terms of material, design and technology – essential for full functionality and total reliability.

HOW DIGITAL OPENING AND LOCKING WORK

Three key elements form the basis for System 3060.

1 Digital locking device

SmartHandle AX   SmartHandle 3062

Locking cylinder   SmartRelay

2 ID medium

Smart card

3 Central system control

Central control system

All the intelligence is focused in the digital locking device. It knows each and every access, authorised person, and performs all monitoring and control function for the door concerned.

Smart cards contain their owner's complete access rights. An identification signal is all that is needed to open and close the door in question.

Access rights are controlled centrally using the locking system management software and transmitted to digital locking devices and identification media.

LOCKING SYSTEM MANAGEMENT SOFTWARE

In a digital locking system, the Locking System Management software (LSM) interlinks intelligent system components, i.e. doors featuring locking mechanisms with users and their identification media.

The LSM software allows you to perform all set-up, operation and management tasks in your System 3060 quickly and conveniently:

:: System and management of locking plan (Matrix display)

:: Identification media programming and management of smart cards

:: Programming and management for locking devices (SmartHandles)

:: Creation of different lists, reports and logs for items such as access rights and programming requirements for locking devices when a transponder is lost.

// Different editions for every need

The larger the building the more complex its locking system and software requirements are. That's why the LSM software is available in different editions.

LSM Basic Edition
For simple locking plan management for small and medium-sized systems:
:: Software and data installed locally on a computer
:: No network management
:: Changes to rights transmitted to mobile terminal devices

LSM Basic Online Edition
As LSM Basic but with additional functions:
:: Networking of locking devices
:: More functions such as reports and logs (audit compliant)

LSM Business Edition
Multi-user and client-capable administration software for large systems
:: Decentralised system management (server-client installation)
:: Integrated reporting
:: As many networked components as required
:: Online functions, such as event management and alarm functions

LSM Professional Edition
As LSM Business Edition plus extra options:
:: Use of multiple databases on the server
:: Operation in a terminal server environment

HOW MUCH "ONLINE" WOULD YOU LIKE?

System 3060 delivers an extensive variety of options to control your locking system securely and conveniently based on individual requirements. The building size and functional requirements are the decisive factors determining whether a system is to be operated online, offline or in a virtual network.

// Large building and various sites

In a large building, strict security requirements and different types of employee and visitor traffic require a networked system. This brings the advantage that all real-time control and locking functions are possible. We offer you all options for optimally protected connections:

:: As an online network
:: As a virtual network

These network variants can also be freely combined with one another to deliver a network which meets your requirements precisely.
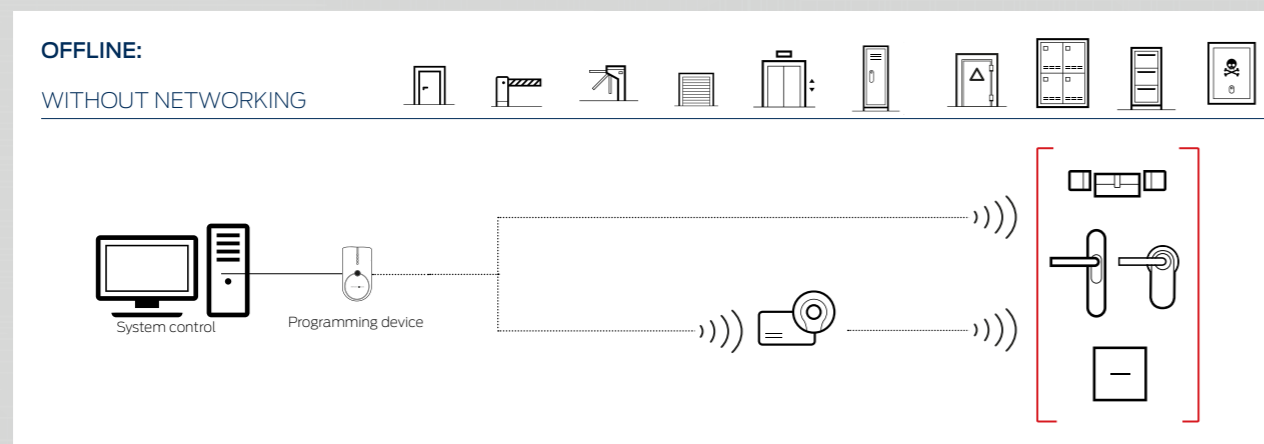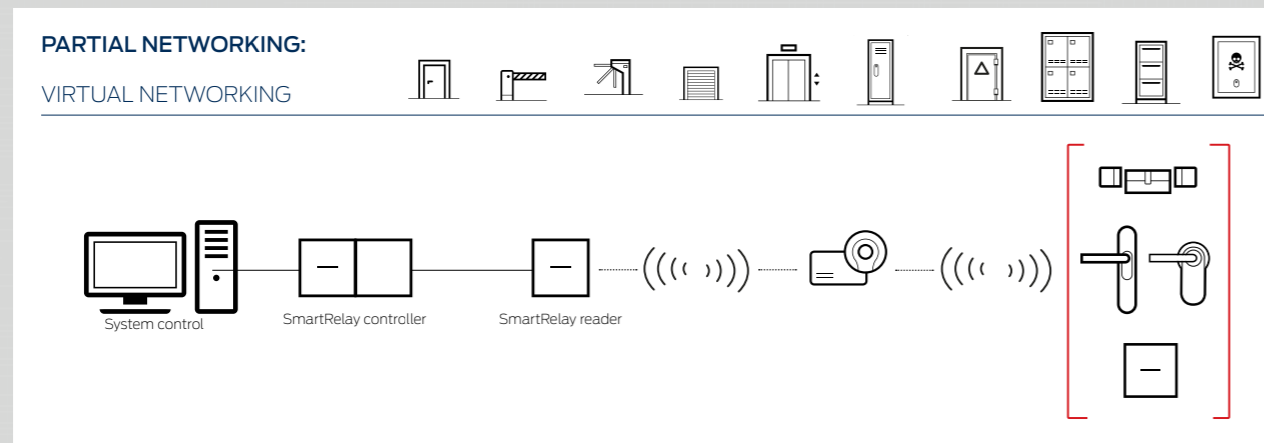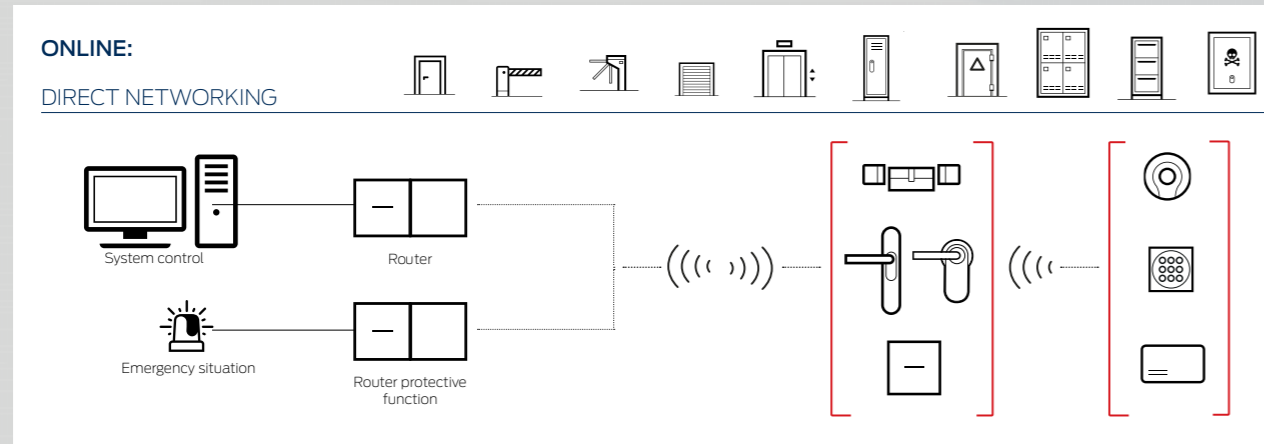
// Small buildings

Offline operation may be sufficient for small locking systems. It is also an affordable alternative in such cases. Deciding on offline mode for your system is not a definitive choice. You can switch from an offline to online system for a low cost and at any time.

ONLINE AND OFFLINE OPTIONS

Choose the option best suited to your building size

ONLINE:

DIRECT NETWORKING

System control
Router
Emergency situation
Router protective function

PARTIAL NETWORKING:

VIRTUAL NETWORKING

System control
SmartRelay controller
SmartRelay reader

OFFLINE:

WITHOUT NETWORKING

System control
Programming device

GREATER SECURITY, AUTOMATIC AND ONLINE

Contemporary requirements are high for locking systems whether the system is installed in an SME, major company group, a hospital, bank or government office. Digital locking systems with access control play a central role in security for buildings and institutions, especially when many people are coming and going.

Today, restricted areas which may only be accessed at certain times and not by everyone can be found everywhere. It is important that employees have defined access rights and service providers are permitted to carry out their work unhindered by access problems. It is also imperative that visitors and staff are protected in emergency situations such as fire or security threats. Thanks to the large number of components and functions, our System 3060 has a suitable solution to match any set of circumstances.

// Security with System 3060 means:

:: Simple, central control
:: Immediate deactivation of misplaced identification media
:: Online remote opening of locking devices in emergencies (panic and similar)
:: Freely configurable access rights and times which can be changed at any time
:: Online monitoring for individual doors (DoorMonitoring)
:: Automatically generated access event logging

// Cable-free Door Monitoring included

SimonsVoss offers door monitoring which works without any cabling. With DoorMonitoring, you increase access security and control significantly in restricted areas without needing any structural alterations.
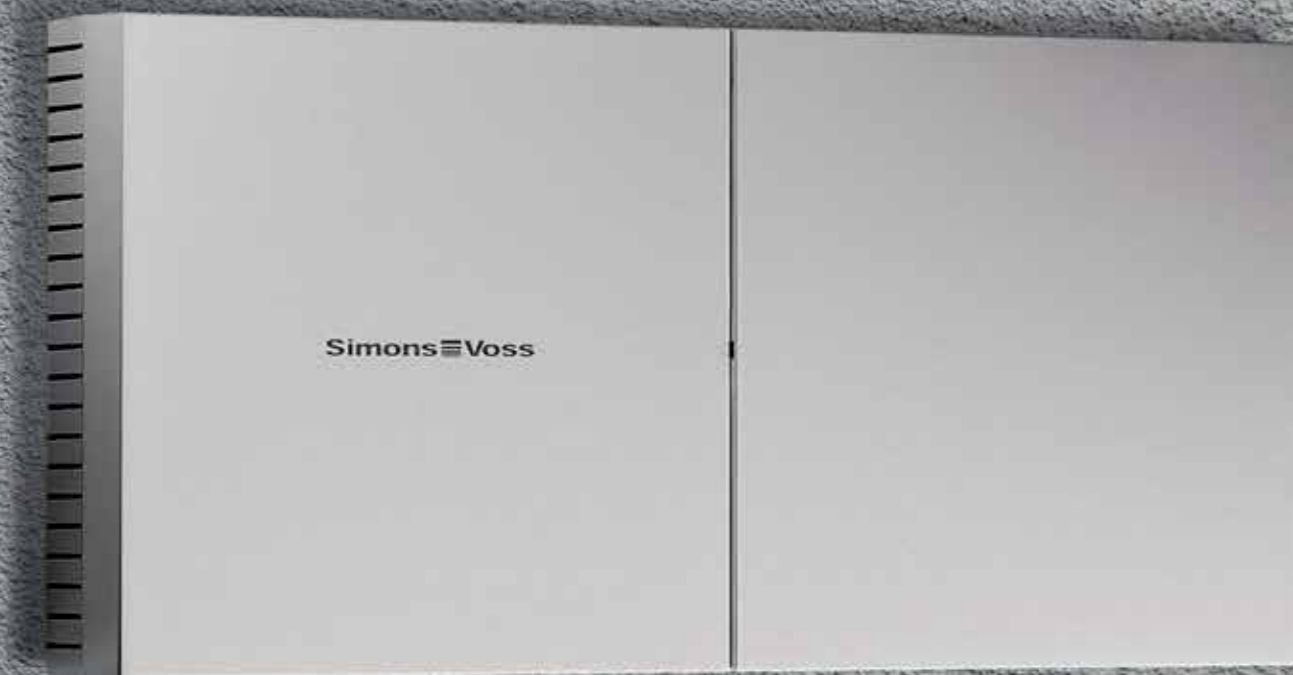
Cable-free DoorMonitoring works thanks to integrated sensors. SmartHandles register all the locks statuses and changes - open, closed, dead bolt extended or retracted, locked once or double-locked, or open for too long. This information is transmitted directly via the radio network to the LSM system software, where it is recorded and visualised in SmartSurveil.

// Alarm for critical events

Critical events trigger an alarm directly and automatically, sending an email or opening in a pop-up window. The alarm function is only available in the LSM Business or LSM Professional Editions of the software.

:: Automatic alarm for attempted manipulation on a door
:: Automatic alarm when a door is open too long
:: Messages sent by email or appear in a pop-up window
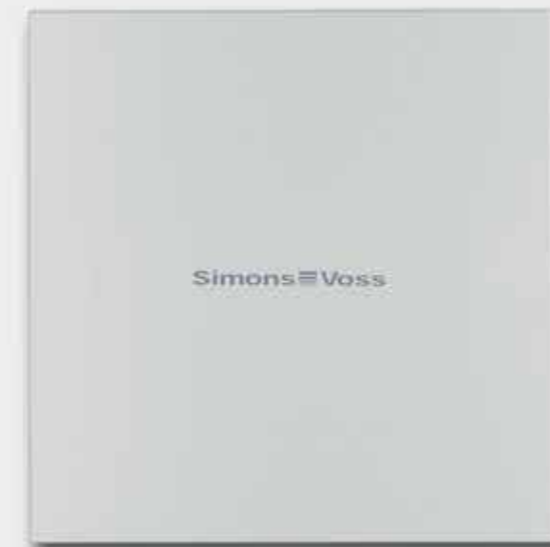
INTELLIGENT COMPONENTS

SMARTRELAY

There are some entrance points without locking cylinders, such as gates, lifts and barriers, where access must be controlled electronically. The elegant SmartRelay acts as an access control reader and has a high capacity for further intelligent functions and tasks.

// Use as a gateway in virtual networks

In a virtual network locking system, the SmartRelay takes over the role of a central gateway. This means it transmits new or modified access rights to identification media, ensuring that every user has up to the minute access rights.

// Control for technical systems, machines and devices

SmartRelay can be connected to third-party technical systems and control them or exchange data with them.
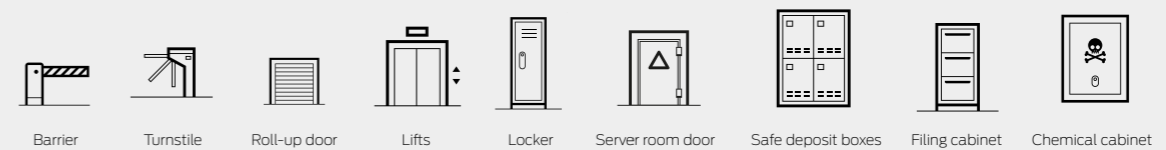
reddot award
product design

Lifts, gates, barriers and similar

Active and passive access media possible

Transmits data from identification media to third-party systems, such as your time-and-attendance system, canteen payment solutions or your facility management system

Barrier   Turnstile   Roll-up door   Lifts   Locker   Server room door   Safe deposit boxes   Filing cabinet   Chemical cabinet

THE DIGITAL LOCKING CYLINDER

- Fitted instantly without cabling
- Active and passive access media possible
- Can be operated either online, offline or virtually networked
- Optional online door monitoring (DoorMonitoring)
- Access control and event logging for up to 3,000 access events
- Time zone control for time-limited accesses
- Long-term battery operation
- An extensive variety of cylinder versions, including anti-panic, a weatherproof design or a half cylinder

The digital locking cylinder contains complete locking and control intelligence. Available in a wide range of designs, it can provide an extensive variety of locking, monitoring, logging and control functions. It can also be optionally fitted with sensors for cable-free DoorMonitoring (online only) and operated both online and offline.

EASY TO INSTALL,
COST-EFFICIENT OPERATION

// Any door, no cabling

The digital locking cylinder's design has been devised to ensure fast, problem-free installation. With its different installation lengths, it can be used universally and will fit practically anywhere. This is true for each of the different product variants. Even retrofitting new, intelligent functions takes just minutes.

// Down with life-cycle costs, up with convenience

It is primarily the long-lasting, highly reliable locking components which are key to ensuring our locking systems are cost-effective in their operation. We also focus on using power-saving electronics at all times. This means the batteries in locking cylinders and transponders last in age and are easily replaced in seconds, thus minimising maintenance requirements.

EXTENSION CAPABILITY

System 3060's open, modular design offers the option of extending the system to include more doors, other floors, other buildings and additional sites. As you would expect, we are constantly developing our components further, making them more intelligent and extending their capabilities.

There is no need to replace existing system components to include new elements, even if the system is extended years after initial installation. The universal compatibility allows us to offer our customers future-proof investment and guaranteed extension capability.

:: Minimum maintenance requirements

:: Energy-saving electronics, long-lasting batteries

:: Simple retrofit for new electronic functions and technology

:: Fully backward- and forward-compatible components

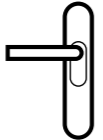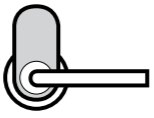**::** Simple, flexible system expansion

INTELLIGENT FITTINGS

SimonsVoss offers two variable fittings for exterior and interior doors. The SmartHandle 3062 and SmartHandle AX. These fittings are designed with intelligent functions, robust mechanics, and modern technologies to help design your keyless world.

As with all SimonsVoss locking components, the SmartHandle 3062 and SmartHandle AX fittings have optimum quality in terms of material, technology and design. They can be mounted to your door within minutes and networked and operated with established identification media at any time. This is possible thanks to the backward and forward compatibility in all SimonsVoss system components.

The intelligent functions such as online door monitoring and adaptive design means the fittings meet the highest demands for flexibility. There is minimum power consumption thanks to the battery powered technology which means it is inexpensive and the combination of durable, robust mechanics with modern technology ensures long term cost efficiency.

	SmartHandle 3062	SmartHandle AX
Interior Doors	■	■
Exterior Doors	■	
DDA Compliant with Z lever	■	■

SMARTHANDLE 3062

SmartHandle 3062 reliably controls large visitor flows. It is weather-resistant, works without cables and can be mounted within minutes.

// Increased anti-burglary protection

SmartHandle 3062 demonstrates its intelligence on doors used by many different visitor groups. It can control up to 64,000 people according to place, time and individual authorisation. As the electronics are on the inside of the door, the SmartHandle 3062 offers burglary protection.

// Cable-free online door monitoring

Sensitive areas can also be equipped with DoorMonitoring on request. The cable-free online

DoorMonitoring system records, logs and reports all door statuses using sensor control to detect whether doors are open, closed, locked or open too long. It also sends an alert for critical events.

With its elegant, multi-award-winning design, the intelligent fitting matches a wide variety of door types on a visual level. It accepts SmartCard locking media and can be integrated easily with your existing IT infrastructure.

GERMAN DESIGN AWARD 2016

reddot award
product design

SimonsVoss

+ Quick installation

+ Battery life up to 150,000 locking operations

+ Administration of up to 64,000 media

+ Different SimonsVoss handle variants and cover widths

+ Increased, certified burglary protection

+ Weather resistance for exterior doors

SMARTHANDLE AX

SmartHandle AX is just the start of the new, even more powerful generation of SimonsVoss system components: "Next Keyless Generation".

// Increased access security and performance

The innovative security architecture is a decisive advantage in SmartHandle AX. The secure element, a separate unit, is highly efficient in saving and encrypting all security-relevant data, such as the locking system password.

// Cable-free online door monitoring

Sensitive areas can also be equipped with DoorMonitoring on request. The cable-free online DoorMonitoring system records, logs and reports all door statuses using sensor control to detect whether doors are open, closed, locked or open too long. It also sends an alert for critical events.

// Adaptive design

SmartHandle AX has a modular structure. This means it can be flexibly adjusted to all door installation types with regard to door thickness, centre distance and spindles. The lever can be fitted on the left or right. It provides unique scope for visual design with six different SimonsVoss handles.

Simons Voss

Various SimonsVoss handle variants and finishes in different colours

Proven durability capacity for 1 million cycles (EN 1906)

Battery life for up to 300,000 operations or up to 10 years on standby

Can be combined with handles by renowned manufacturers

Can be networked online and virtually

Manages up to 64,000 media

Modular design: Door thickness, centre distance and spindles are adaptable. The lever can be fitted on the left or right

// TECHNICAL DATA

Country variants	:: Euro Profile cylinder KO A0 :: ANZ KO A1	Battery life	:: Up to 300,000 operations or up to 10 years on standby (active)
Dimensions Variants A0/B0 (WxHxD)	66 x 120 x 21 mm		:: Up to 200,000 operations or up to 10 years on standby (passive)
Dimensions Variants A1/B1 (WxHxD)	66 x 140 x 21 mm	Temperature range	Operational: -25ºC to +50 ºC
Dimensions Variants A2/B2 (WxHxD)	66 x 174 x 21 mm	Signal	Audible (buzzer) Visual (LED − red/green)
Door dimension specifications	:: Door thickness: 38 - 200 mm :: Centres distance: 70 - 110 mm :: Spindle: 7 | 8 | 8.5 | 9 | 10	Loggable access events	Up to 3,000
Read systems	:: Active transponder technology :: Passive (MIFARE® Classic and DESFire®) :: Hybrid (active and passive) :: BLE ready	Time zone groups	100+1
		Number of media which can be managed per SmartHandle AX	Up to 64,000
Operation types	Online, virtual network and offline (can be combined)	Radio network	Can be networked directly with integrated LockNode (can be retrofitted)
Battery type	4x CR2450, 3 V, lithium	Can be upgraded	Firmware upgradable

// VARIANTS

A1 for a mortice lock centres distance of 70-79 mm

A0 with escutcheon cover without/ with profile cylinder cut-out

// CERTIFICATES

:: MPA National Technical Test Certificate

:: EN 1634

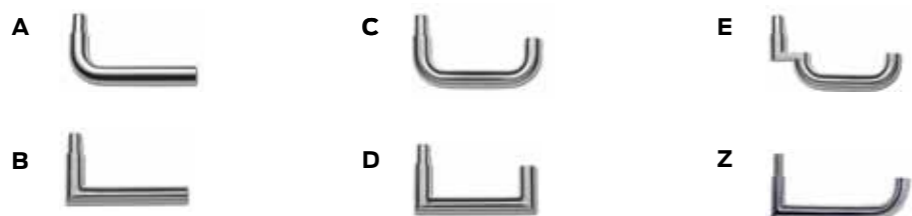:: EN 179

:: EN 1906 (Grade 4)

:: EN 1125 (planned)

:: PAS 24

:: RCM

// COVER FINISHES

| | Satin stainless/white |
| | Satin stainless/black grey (STD) |

// HANDLE

A B C D E Z

// TECHNICAL DATA

Country variants	:: Euro Profile cylinder :: ANZ KO	Battery life	:: Up to 150,000 operations or up to 10 years on standby (active)
Conventional installation (WxHxD):	Euro Profile cylinder/Swiss Round :: Narrow: 41 x 224 x 16 mm :: Wide: 53 x 224 x 16 mm		:: Up to 65,000 operations or up to 6 years on standby (passive)
			:: Up to 120,000 operations or up to 10 years on stand-by (hybrid)
Door dimension specifications	:: Door thickness: 39 - 100 mm :: Centres distance: 70 - 94 mm :: Spindle: 7 | 8 | 8.5 | 9 | 10	Temperature range Signal	Operational: -20 ºC to +50 ºC Audible (buzzer) Visual (LED, for passive only)
Read systems	:: Active transponder technology :: Passive (MIFARE® Classic, Plus and DESFire®) :: Hybrid (active and passive)	Loggable access events	Up to 3,000
		Time zone groups	100+1
Operation types	Online, virtual network and offline (can be combined)	Number of media which can be managed per SmartHandle	Up to 64,000
Battery type	2x CR2450 3V lithium		
		Radio network	Can be networked directly with integrated LockNode (can be retrofitted)
		Can be upgraded	Firmware upgradable

// VARIANTS

Standard handle no mechanical override

Conventional installation with an option for a mechanical secondary locking device

Fastening for installation on escutcheons with an option for a mechanical secondary locking device*

* Delivered with an adapter plate for installation

// CERTIFICATES

:: MPA National Technical Test Certificate

:: EN 1634

:: EN 179
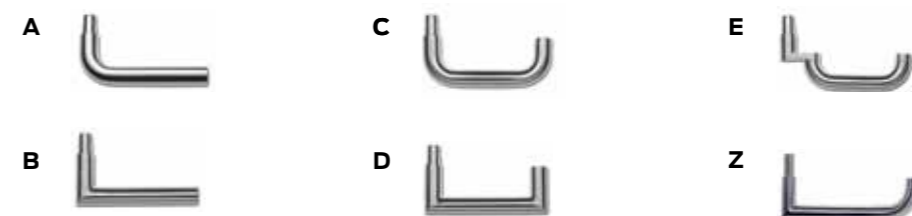
:: EN 1906 (Grade 4)

:: DIN 18257 (ES1)

:: SKG

:: PAS 24

:: RCM

// FINISHES

| | Stainless steel, brushed |

// HANDLE

A B C D E Z

INDUSTRY SOLUTIONS

Hundreds of people move through schools and seminar buildings, hospitals, clinics, financial institutions, office buildings or construction sites on a daily basis. It is not easy to keep tabs on who is allowed to be in different parts of the building and at what time. Guaranteeing safety and security is a challenge for those in charge. Our digital locking and access control system channels visitor flow and protects visitors and staff in the event of an emergency.

Aged Care

:: Manage multiple buildings from one location

:: Controlled access to residents rooms

:: Controlled access to drug rooms

:: Protect confidential patient files

Education

:: Controlled access to the whole campus

:: Protect expensive electronic equipment

:: Controlled access to sports facilities

:: Manage multiple buildings on campus

Government

:: Protect confidential documents

:: Protect cash offices

:: Protect store rooms

:: Controlled access to server rooms

:: Channel visitor flow within the building

Retail

:: Protect sensitive customer data

:: Protect safe and deposit box rooms

:: Protect back office areas against unauthorised access

:: Manage multiple branches

Commercial

:: Control temporary access for visitors and cleaners

:: Controlled access to meeting rooms and offices

:: Controlled access to server rooms

:: Protect confidential documents

Infrastructure

:: Protect expensive equipment

:: Controlled access to different areas on site

:: Manage multiple sites from one location

:: Secure entrance gates on site

About API Access & Security

API Access & Security is an Australian wide access and security solutions provider. For over 50 years API has been securing residential, commercial and government facilities around Australia. Whether you need keying systems, locks and hardware, life safety devices, CCTV, automatic doors, perimeter and barrier security systems, electronic locking systems or safes and vaults, API can package up a full access and security solution in one place, plus installation and maintenance options.

API Access & Security is an Allegion™ company

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About Allegion™

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had $2.9 billion in revenue in 2019 and sells products in almost 130 countries.
For more, visit www.allegion.com.