

SAG Smart Access

Electronic identification and locking system



Welcome to the next level



SAFE-O-TRONIC® DS door locking system





SAG Smart Access

Electronic identification and locking system



Flexible and needs-based organisation options for doors of all kinds now make access management in commercial properties even more efficient. Our smart solutions offer central management for a diverse range of user groups, meaning you can optimise your locking system at any time to meet changing requirements.



SAG Smart Access

Electronic identification and locking system



For more than ten years, SAFE-O-TRONIC® access has been a leading brand when it comes to securing and organising door locking systems. The locking systems have been proven in over one hundred thousand properties around the world. Whether RFID or PIN code as an identification method – or both combined in one solution: SAFE-O-TRONIC® access sets the standard.



Look and feel...

High-quality products awarded for timeless design.

Capacitive keypad for maximum operating convenience

A light touch on the keypad is sufficient to enter the PIN.

Perfect interface management

The open REST API makes it possible to easily integrate the SAFE-O-TRONIC® software into third-party systems.

Simple retrofitting

with minimal effort at the door.

Convenient user guidance

via LED bar and additional acoustic signal.



Read area for RFID technology

When using RFID, the data carrier is simply held in front of the read area.

Intuitive operation

Operation is incredibly simple as it is based on the symbols commonly used on mobile phones.

Smart battery management

Battery compartment on the outside enables quick and easy battery replacement.

Smart PIN codes

without cabling and without gateway.

SAFE-O-TRONIC® access DS

Smart locking convenience



Flexible management

By combining PIN code and RFID technology, you can organise different security levels and user groups (e.g. staff, club members, guests or technical team) as required – the two options can also be selected individually if desired.

Convenient operation

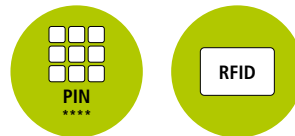
- **Keyless via PIN code:** A time-limited PIN code can typically be transferred to the user's smartphone and entered on the capacitive keypad at the door. The time-limited PIN code can thus be generated or used for desired days.
- **Contactless via RFID:** To enable use, all you need to do is hold the RFID transponder in front of the read area of the SAFE-O-TRONIC® access unit. The relevant access permissions are flexibly programmed into the transponder.

Simple retrofitting

SAFE-O-TRONIC® access can be mounted cable-free on commercially available cylinder or latch locks – with or without bolt, depending on the version.

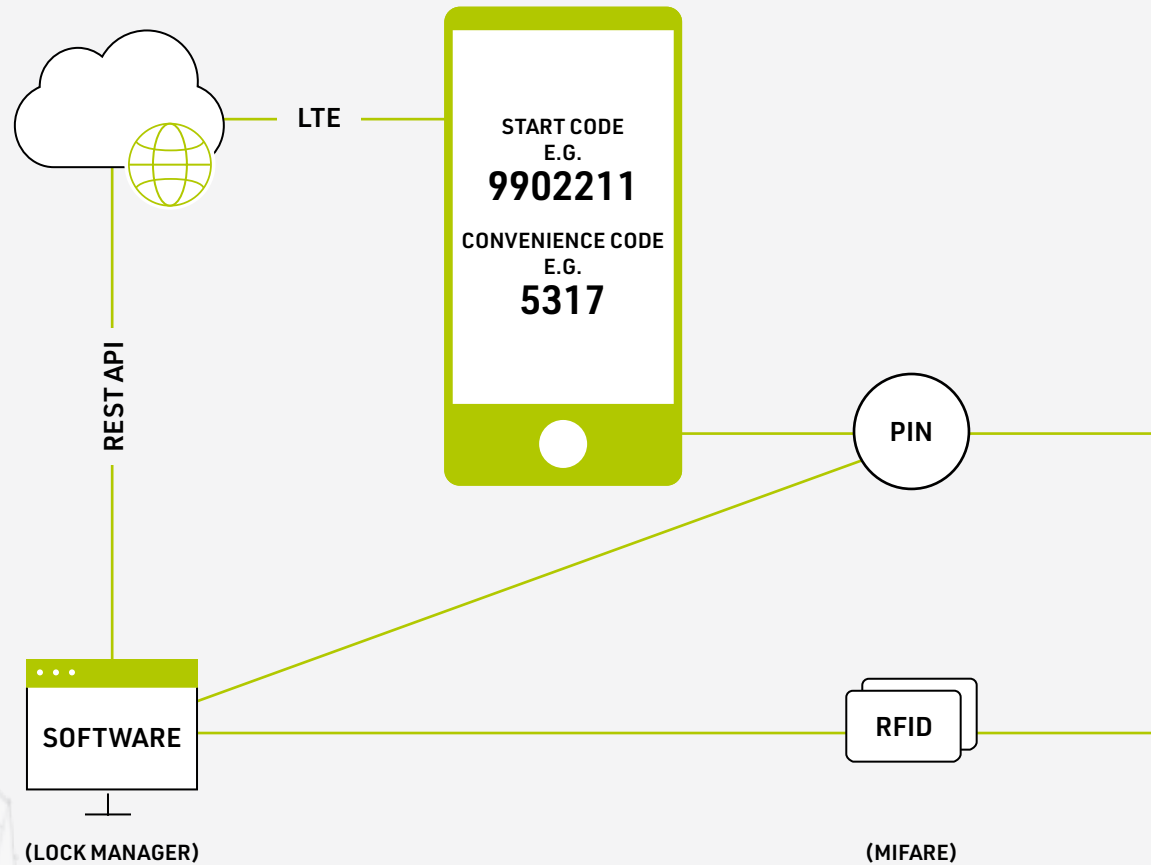
Online organisation of offline locking systems

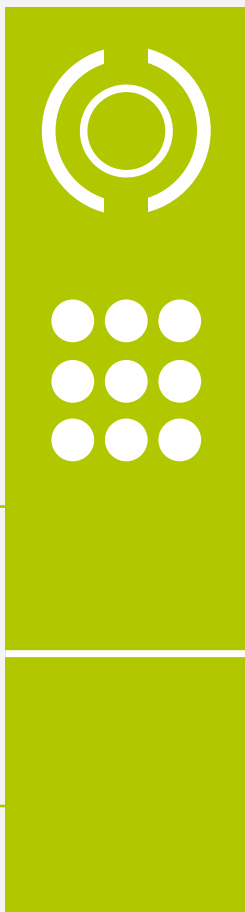
The card-based SAFE-O-TRONIC® CyberNet network offers online convenience without wiring the doors.



Access management

Modular and versatile





LOCKING SYSTEM



Keyless entry

Intelligent identification



SAFE-O-TRONIC®
DS 200
PIN code door lock



SAFE-O-TRONIC®
DS 300
RFID door lock



**SAFE-O-TRONIC®
DS 400**

Combined RFID and PIN code
door lock

	DS 200	DS 300	DS 400
SAFE-O-TRONIC® access identification options:			
PIN code	•		•
PIN code (TGC)			•
RFID		•	•

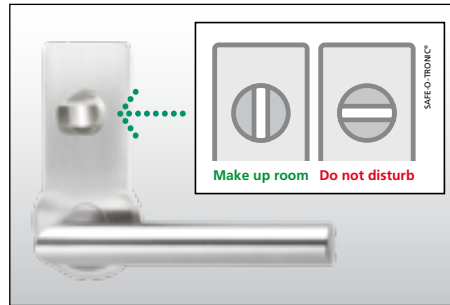


Standard variant (here with blind rosette)



Variant with emergency opening cylinder

Flexible use for guest room and function room doors



Digital door handles and cylinders can be combined as desired within the locking system. This allows you to equip each door according to your specific comfort and security requirements. Of course, fittings for fire and smoke protection doors as well as for doors according to DIN EN 179 are also available.

Guest room doors

Where the focus is on locking security and a high level of operating convenience at the same time, opening and closing by lever handle is the optimum solution. This typically applies to guest and patient room doors or to doors in buildings with public traffic. This type of operation is also suitable for people with disabilities. The 'Make up room' or 'Do-not-disturb' function is activated by simply turning the rotary knob.

Function room doors

Our electronic locking cylinders SAFE-O-TRONIC® access CS are available for functional room doors, outside doors and all-glass doors.



SAFE-O-TRONIC® access DS

Diverse fitting solutions



Lever handle variants

The modular design concept of SAFE-O-TRONIC® access also gives you leeway in the choice of lever handles and other hardware components. In our range you will find a selection of lever

handle variants that you can combine with SAFE-O-TRONIC® access. Special decorative plates make it easy to replace existing long backplate fittings. The combination of SAFE-O-TRONIC®

access with mechanical locking cylinders (e.g. as emergency opening cylinder) can also be realised without any problems.





SAFE-O-TRONIC® access DS

Suitable for any door



Simple planning and installation

SAFE-O-TRONIC® access DS fits standard cylinder or latch locks and can be installed quickly and easily without wiring – even during operation. SAFE-O-TRONIC® access already makes your work easy in the planning phase:

Independent of the distance dimension of the mortise lock

Whether you prefer a variant with or without a rotary knob, thanks to the SAFE-O-TRONIC® access rosette solution, you are not dependent on the distance dimensions of your mortise locks.



Door thickness independence

SAFE-O-TRONIC® access offers flexible adaptation to door thicknesses from 38 to 86 mm (other door thicknesses on request).



Free selection of installation direction

SAFE-O-TRONIC® access DS is suitable for right and left doors. Therefore, the door direction does not have to be considered for object inclusion.



Emergency cylinders (optional)



SAFE-O-TRONIC® *access DS*

Many possible applications



In functional buildings and commercial constructions of all types, SAFE-O-TRONIC® access offers a wide range of intelligent options that allow you to organise access management efficiently in accordance with your individual needs.

Electronic access management offers clear advantages, especially in buildings with a wide variety of personal structures, such as employees, guests/visitors, students or patients. You can use it to organise and manage access rights according to needs and user groups, securely and flexibly.

Whether hotels and serviced flats, educational and cultural buildings, sports and leisure facilities, clinics and residences, administrative and office properties or industrial buildings: We plan and implement the right door locking solution for your individual requirements and target groups.

Discover the versatile organisational options for your individual application – including cost and time savings. All system components can be integrated reliably into third-party systems via interfaces or operated conveniently via Lock Manager software.



SAFE-O-TRONIC® *access DS*

The optimal solution for every need



More cost-effective

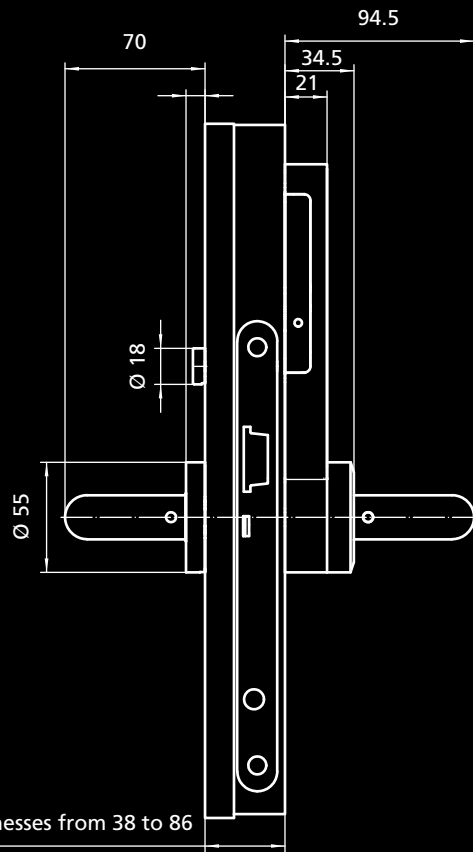
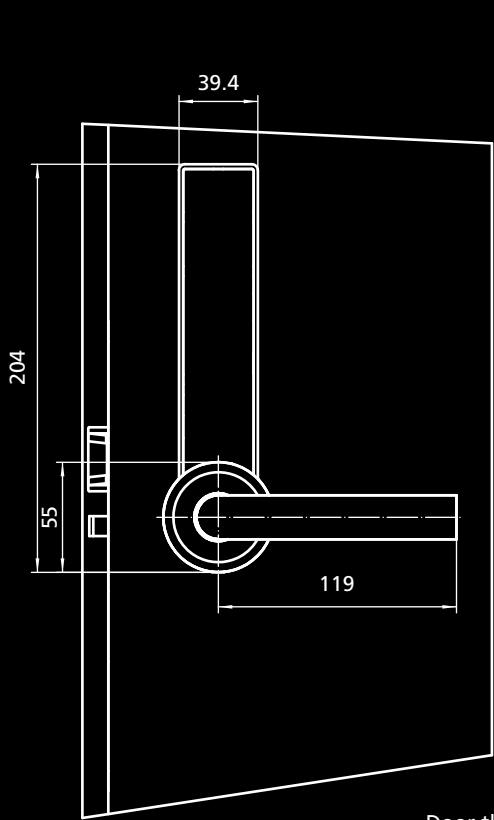
- Simple and time-saving planning and installation.
- Use of lever handles/rosettes from our range.
- Can be integrated in data systems.
- Access rights can be flexibly adjusted at any time.
- Flexible identification options (can be combined in one system).
- Long-term energy supply through low-cost battery system.

More convenient

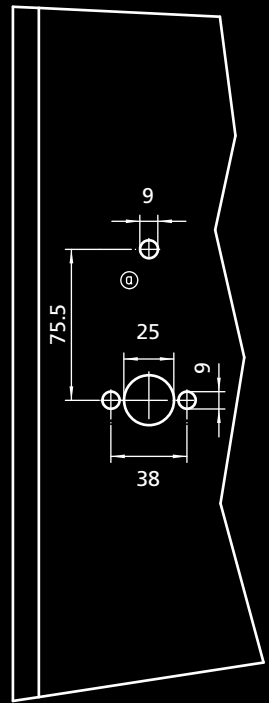
- Easy operation by lever handle – also for people with disabilities.
- Sensor keys enable precise code input, even when touched lightly.
- Contactless alarm sensor for fast identification via RFID transponder.
- Intuitive user guidance with visual/ acoustic confirmation.
- Furniture locking system for installation on the outside of the door.
- Online convenience for offline RFID locking systems thanks to card-based SAFE-O-TRONIC® CyberNet network.

More secure

- Combination of PIN and RFID identification options increases security for users and operators.
- Optional bolt security.
- Suitable for fire and smoke protection doors as well as emergency exit locks according to DIN EN 179 and DIN EN 1125.
- Lockout period protects against unauthorised opening attempts.
- Locking procedures can be read out and conclusively verified for monitoring purposes.
- As a precaution against theft, electronic emergency opening monitoring protects users and operators from false allegations.
- Custom service concepts optimise operating security for each project phase.



Door thicknesses from 38 to 86



SAFE-O-TRONIC® access DS

Technical data



SAFE-O-TRONIC® access	
Operating modes	Serial numbers / badge numbers / lock groups
Display elements	4 x LEDs
Acoustic signal	Beeper
Battery	Battery pack: 3 x alkaline cells (AAA)
Battery life	approx. 3 years/30,000 activations*
Temperature ranges	
Function	0 to +50°C
Storage	-15 to +50°C (Battery life limited at ≤ 0°C)
Relative humidity	10–90% non-condensing
Weight without lever handle/rotary knob/decorative rosette	approx. 750 g
Housing dimensions without rotary knob/decorative rosette (H x W x D)	204 mm x 55 mm x 21 mm
Housing	Brushed matt stainless steel finish
Control panel colour	black/optional: Customisable
System type	stand-alone
Max. media to be managed	65,000 per lock/locking system
Max. closures to be managed	65,000 per locking system

* The battery life depends on the ambient temperature, the selected setting parameters, the lock type and the batteries used.

SAFE-O-TRONIC® access			
	DS 200	DS 300	DS 400
Identification			
PIN code	•		•
PIN (TGC) (min. 4 digits)			•
RFID (MIFARE, ISO 14443 A)		•	•
Accessories			
System key set	•	•	•
TestKey	•	•	•
USB Reader	•	•	•
Lock Manager Software 6	•	•	•
Lock Manager Software 7	•	•	•
REST API (open interface)	•	•	•
Communicator	•	•	•
Offline terminals (for surface mounting or flush mounting)	•	•	•
Miscellaneous			
Contactless alarm sensor		•	•
Lockout period for protection against unauthorised opening attempts	•		•
Locking log memory for 450 entries	•	•	•



SAFE-O-TRONIC® access DS Service



SAFE-O-TRONIC® access door locking systems offer simple handling, a high level of operating security and user-friendly operation as well as minimal maintenance work. For optimal system availability at every stage of your project, we also offer an extensive range of services.

Our expert service team will be happy to create your own all-inclusive package.

Overview of services

Consulting

- Organisational consulting
- Project planning
- On-site technical consulting
- Cabinet door samples
- Support for integration into data systems

Preset coding service

- Preset coding of locks
- Preset coding of RFID data carriers

On-site service

- Assembly/installation
- Conversion of existing cabinet doors
- Commissioning
- Configuration
- On-site coding service for locks
- On-site coding service for RFID data carriers

Training for self-help purposes

- Partner training
- On-site customer training
- Customer training in the plant

After-sales service

- Telephone support during business hours
- Service hotline
- Remote maintenance
- Update service for Lock Manager Software
- Battery service
- Service for spare parts and consumables

Furniture locking systems LS



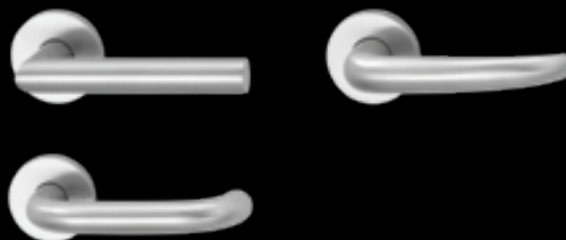
Furniture locking systems LSW (with optional online status message)



Other door locking systems



Door handles



Terminals



System landscape – complementary products

Uniform solution for doors and cabinets



SAFE-O-TRONIC® access offers an integrated organisational solution for your door and cabinet locking systems. This makes the control and administration of locking and access rights particularly easy and efficient.

Flexible organisation

For organisation of your furniture locking systems, the same flexibly combinable identification options RFID and PIN code are available as for your door locking system.

Efficient system management

You can programme and manage your door and cabinet locking systems via a uniform software interface. This means you can keep all the relevant data under control even during organisational changes and avoid complex data coordination and multiple entries.

Simple integration into data systems

Thanks to its system architecture and diverse components, SAFE-O-TRONIC® access allows your door and cabinet locking systems to be integrated into other data systems at any time (e.g. for access control, staff work time logging, cashless accounting or guest management).



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