

Overview of dormakaba products

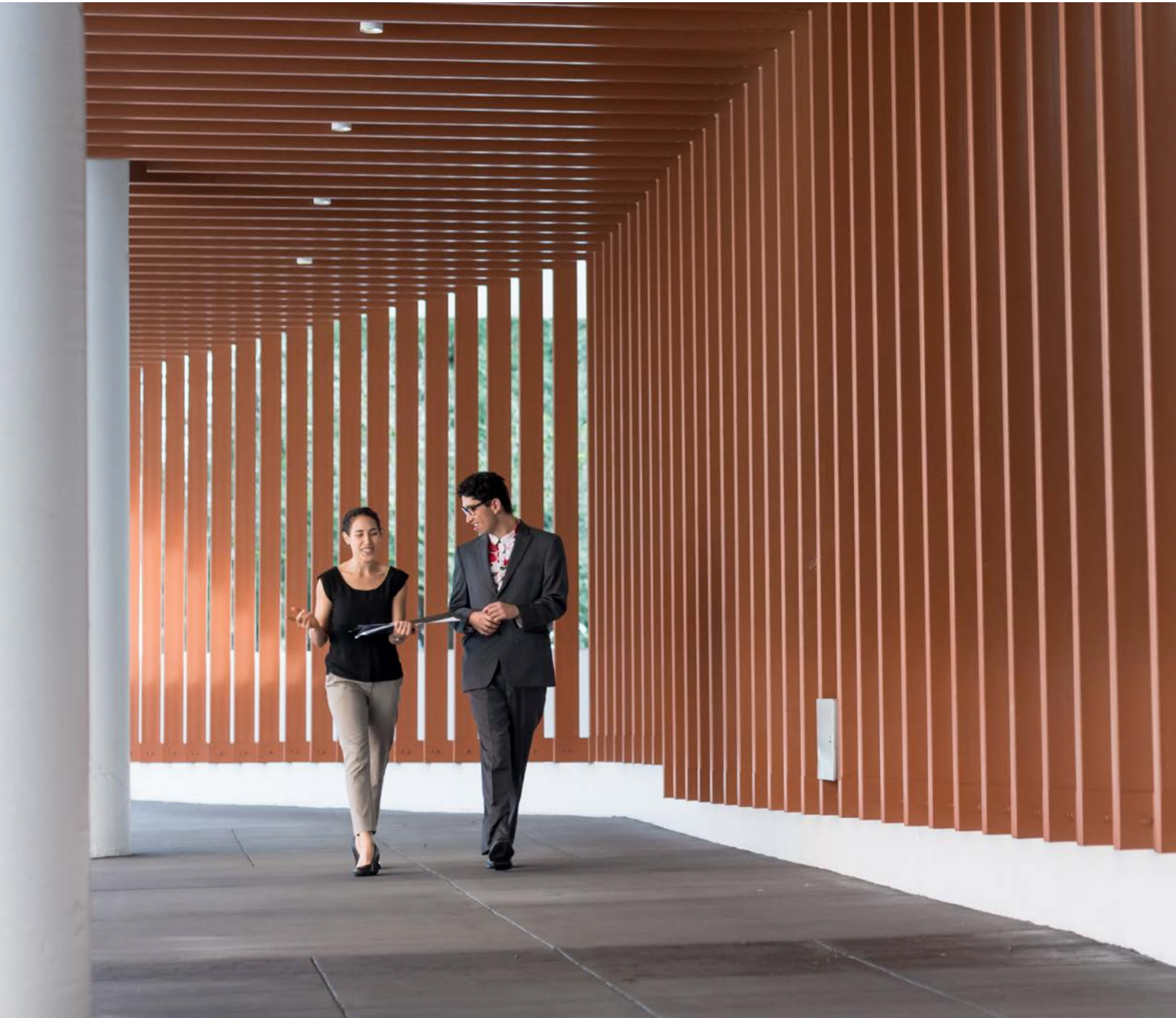
Our variety for your access



Product catalogue



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Advanced solutions are our passion



With over 160 years of experience with access and security in a variety of markets, we continue to innovate and deliver the best products, solutions and services to our customers around the world.

In a world increasingly driven by digitalization and growing populations, security is no longer just a mechanical process — it has become an integral part of urban infrastructure. From crowd management and digital protection to hygiene concerns and disaster preparedness, we take care of the essential elements that contribute to your safety.

With the right technologies and partners, advanced access control solutions — such as cloud-based systems — contribute to a smart, sustainable future where people can move safely, whether in crowds or across various buildings and spaces.

Our offering

Our offering includes individual products, complete solutions, and range of services, from planning and installation to ongoing operations, all designed to help increase our customers' excellence.

			
Access Automation Solutions (AAS)	Access Control Solutions (ACS)	Access Hardware Solutions (AHS)	Services
Entrance Automation Entrance Security	Electronic Access & Data Escape and Rescue Systems Lodging Systems	Door Closers Architectural Hardware Mechanical Key Systems	Consulting and Planning Implementation Commissioning Maintenance

Our focus sectors

We offer a bespoke range of products and solutions to many different types of buildings with many different access needs. We are there, from seamless passenger journeys at airports, through customized solutions at hospitals, to providing a safe and welcoming experience in stadiums.

	Airports		Retail		Transport & Logistics
	Healthcare		Banks & Finance		Industry & Manufacturing
	Offices		Government & Administration		Energy & Utilities
	Hospitality		Residential & Multi-family housing		
	Education		Sports & Culture		



Future with a history

Providing you with the best has always been our policy

1862

Locksmith's workshop and safe manufacturing site founded by Franz Bauer

KABA



DORMA



1908

Dörken & Mankel KG founded

1934

Patenting of the reversible key

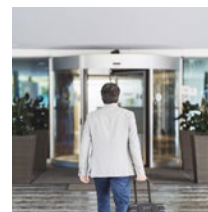


1950

Entry into the door closer business

2000/01

Acquisition of the Unican company



1962

Production of the first automatic doors

2009

Installation of the world's first electric airport gate for automated self-boarding



2002

Entry into the mobile partition wall system business

2015 Merger of Dorma and Kaba dormakaba 	2015/16 Introduction of our first cloud-based access control solution   2016/17 Acquisitions in the USA, including Skyfold and the BEST brand	2019/20 First time rated EcoVadis Gold for sustainability management   2021/22 Launch of the EntriWorX EcoSystem Recognition as one of Switzerland's most sustainable companies	2023 Award-winning new generation of high-performance door closers — EHD 9000  	2025/26 Ten-year anniversary of merger ten years one story dormakaba 
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How do you maintain focus on what truly matters?

Project planning and support



Through consultation that is fully dedicated to your needs.



You need to secure your building. With robust technology adapted to your respective needs in every detail. With comfortably adaptable systems facilitating workflow and increasing efficiency and economic feasibility. With precise and dependable solutions tailored to your needs, which you can comfortably and reliably integrate into your plans or expansion.

We provide all this from a single source. Our comprehensive consultation services enable the custom-tailored implementation of your project. Our experienced specialists create a precise requirement profile based on your tasks, needs and wishes and then recommend targeted solution concepts.

We support you in cross-system planning and implementation with our fast, full-coverage and knowledgeable partner and field service team. With dormakaba, you always have a direct contact partner with specific expertise for your entire system and its individual components – we're internally networked and work across multiple interfaces.

We advise and accompany you from planning to implementation – personally, cooperatively and openly. We offer you access systems which prove their worth every day in use across the globe and specialised service that's always at your side.

Architect service:
T: 0800 367 6226
(free of charge in Germany)
architekten.dach@dormakaba.com



Design factor



Design with three letters: XEA

What we mean by XEA: The XEA design language is based on a comprehensive, holistic approach that consistently reflects our commitment to compatibility, premium quality, innovation, thoughtful design, and aesthetics across ten key principles. The core idea: to unify basic shapes, colors, and surfaces into a cohesive visual identity. XEA seamlessly connects the product and brand worlds of dormakaba through a consistent design that communicates a distinctive and recognizable visual language.





#1

Recognisable details

The dormakaba design is recognisable in every product, naturally from its distinctive logo, but above all in the interplay of XEA elements.



#2

Intuitive symbols

All symbols used are reduced to their essential elements, but are easily recognisable and self-explanatory.



#3

Standardised surface finishes

The four basic colours for every product ensure that all combinations will always match. The XEA colour-coding system adds clarity.



#4

Clean forms

The even and two-dimensional surface finishes create a holistic form design. Radii and sharp edges contrast with and complement each other.



#5

User-friendly operation

User interfaces have a minimalist, uniform design, making them immediately recognisable. Operation is self-explanatory.



#6

Contrasting surface finishes

The combination of light and dark, matt and glossy surface finishes creates a multi-faceted overall image. This makes individual function areas clearly recognisable.



#7

Strong casing

If products are equipped with an enveloping housing frame, it provides additional protection from external influences.



#8

Multi-layered compositions

The construction reveals its value at first glance. The quality of the material of the decorative screens impresses with a visible, solid edge.



#9

LED indicator

Applications are intuitive and easy to learn across different products, such as when LED lights indicate access, guide individuals, or display status.



#10

Customised design

A system of materials and colors creates a wide range of solutions, suited to any architecture and beyond: With XEA, you can make unique statements.



Access Hardware Solutions

Door solutions from a single source

Whether for barrier-free door situations with high ease of opening, individual fire protection or unparalleled systems for escape and rescue routes – dormakaba has the solution. Our products are designed to meet high demands and offer intelligent solutions for nearly every situation.



Access Hardware Solutions.

Secure, reliable and long-lasting.

Easier opening and smoother closing represent an added value for every user of doors that is literally "obvious" right away. This ease of use is made possible by innovative dormakaba technology, which is used in all products in our comprehensive portfolio. Our large portfolio of access hardware solutions includes various door closer systems, a wide range of different lock cylinder designs for doors, window handles, gates, garages, mailboxes, furniture, circuits and almost every other conceivable application, as well as self-locking panic locks and panic hardware.



Door Closers



Slide channel door closer

With Easy Open technology, as a free swing door closer or concealed door closer.



Door closer with standard arm

Compact door closer for a wide range of door requirements.



Floor spring

Versatile floor springs for all types of doors.

Architectural Hardware



Door locks

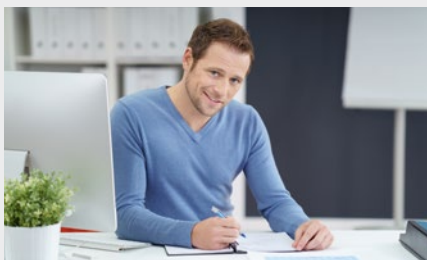
Emergency-escape locks with automatic locking mechanism, mechanical or motorised, network-capable – security in both directions.



Panic hardware

Reliable and aesthetic, security latch bolts or exit pads, standard-compliant for public facilities.

Mechanical Key Systems



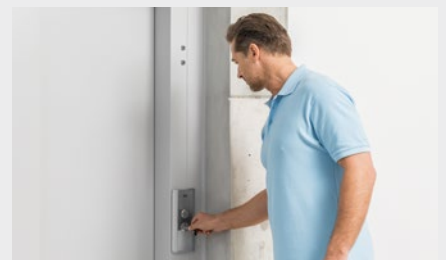
Locking systems and their planning

Easy and flexible management of your locking system.



Reversible key systems

Locking cylinder with reversible key. We've combined security and convenience for you.

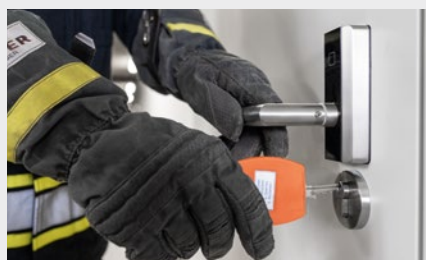


Special functions for your reversible key system – added value on request



Serrated key systems

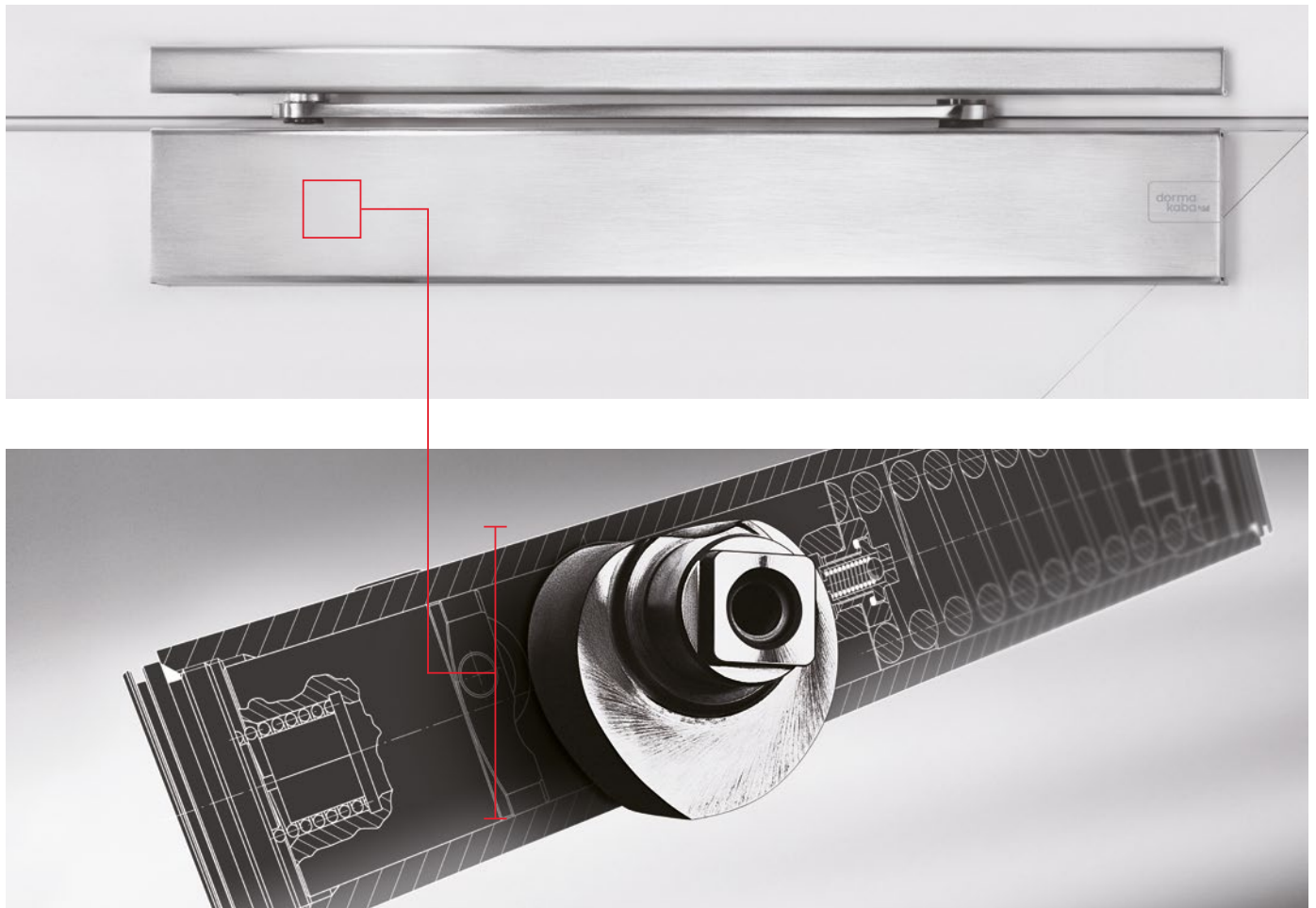
Secure and flexible – our locking cylinders with serrated keys.



Special functions for your serrated key system – added value on request



Easy door opening as per DIN SPEC 1104



40% less effort, 40% easier opening – the heart-shaped cam reduces the required effort to a minimum:

EASY-OPEN technology, which has been tried and tested millions of times, enables a rapidly decreasing opening torque in accordance with

DIN SPEC 1104. This makes our slide channel door closers barrier-free in accordance with DIN 18040, easy to open and even able to close slowly if needed. This is convenience which makes everyday life much easier for young and old alike.





Door closers

at a glance

Slide channel door closer										
Product	ITS 96	ITS 96 FL	TS 98 XEA	TS 97	TS 97 FL XEA	TS 93 System	TS 93 Basic	TS 99 FL	TS 92 TS 92 XEA	TS 92 Basic
General doors (width)										
≤ 950 mm										
≤ 1,100 mm	●			●					●	●
≤ 1,250 mm						●	●	●		
≤ 1,400 mm	●	●	●		●					
≤ 1,600 mm						●				
Double action doors										
Exterior doors, opening outwards			●			●	●			
Fire and smoke doors										
Fail-safe from 0°		●			●			●		
1-leaf	●	●	●	●	●	●	●	●	●	●
1-leaf with electromagn. Hold open	○	○	○		○	○		○		
2-leaf	●	●*	●		●*	●		●*		
2-leaf with electromagn. Hold open	○	○*	○		○*	○		○*		
Functions										
Closing force (EN)	2-4/3-6	3-6	1-6	2-4	3-6	2-5/5-7	2-5	2-5	1-4	1-4
Continuously adjustable closing force	●	●	●	●	●	●	●	●	●	●
Continuously adjustable closing time	●	●	●	●	●	●	●	●	●	●
Soft Flow			●							
2. closing path between 15° and 0°			●						●	●
Continuously adjustable latching action	●	●	●	●	●	●	●	●		
Delayed closing			●			●				
DIN SPEC 1104 (Easy Open)	●	●	●	●	●	●	●		●	●
Barrier-free design in accordance with DIN 18040**	●	●	●	●	●	●	●	●	●	●
Same design for DIN-L (left-handed door) and DIN-R (right-handed door)	●	●	●	●	●	●	●	●	●	●
Ratchet type hold-open system ²	○		○	○		○	○		○	○
Complete package with slide channel				●	●		●	●		●
Back check			●			●	●			
Mounting plate with universal hole pattern			●	●	●	●	●	●	●	●
Mechanical cushioned limit stay	●	●	○	●	○	○	○	○	○	○

● Standard ○ Optional *Fail-safe at active door leaf **Up to EN 5 ***Electrohydraulic hold-open Issued 9/2020
 1 Fail-safe via arm as from a 75° door opening angle 2 Not for fire/smoke protection

[illegible]



Slide channel door closer system

TS 98 XEA system, TS 92 XEA



The new TS 98 XEA system impresses with a new design and new functions. It offers high opening convenience for almost all single-leaf and double-leaf doors. The enhanced closing force according to EN 1-6 enables a greater range of applications. Nearly silent closing is made possible by the additional SoftFlow closing path. The system also impresses during installation, as just one closer body is required for all installation types.

Simply convincing:

- High opening convenience, fully controlled and low-noise closing
- One closer body for all four installation types, DIN-L/DIN-R
- Three different closing paths: 180°–15°; 15°–0°; 7°–0°
- Make all adjustments conveniently from the front
- For door leaf widths of up to 1,400 mm
- Standard backcheck and delayed closing in all installation types
- XEA design
- Additional SoftFlow closing path for nearly silent closing (15°–0°)



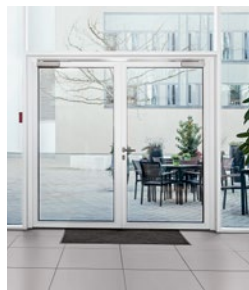
TS 98 XEA N/ TS 98 XEA EMF

- Single-leaf doors
- Electromechanical hold-open unit



TS 98 XEA EMR/ TS 98 XEA UBIVIS

- Single-leaf doors
- Electromechanical hold-open with incorporated smoke detector with integrated power pack



TS 98 XEA GSR/ TS 98 XEA GSR-EMF

- Single-leaf doors with door coordinator
- Electromechanical hold-open unit



TS 98 XEA GSR-EMR/ TS 98 XEA GSR-EMR without EMF

- Double-leaf doors with door coordinator
- Electromechanical hold-open with incorporated smoke detector with integrated power pack



TS 92 XEA

- Single-leaf doors
- Installation to full-glass doors





Battery-operated slide channel hold-open system

G-Ubivis XEA



The battery-operated slide channel hold-open system with integrated smoke detector for use on fire doors. G-Ubivis XEA is approved as a hold-open system by the German Institute for Civil Engineering (Deutsches Institut für Bautechnik, DIBt) in Berlin. Combined with approved dormakaba door closers, G-Ubivis XEA also features perfect design.

Simply convincing:

- Greater flexibility when upgrading hold-open systems
- No wiring for 230 V
- No dependence on other work being completed first
- As per DIN 18040 and DIN SPEC 1104/CEN/TR 15894
- Easy upgrading and installation without altering the building structure
- Attractive XEA design





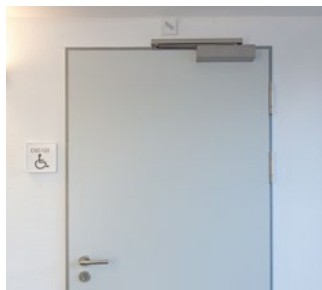
Slide channel door closer system

TS 93 system

The modular slide channel door closer system in a wide range of variants for barrier-free construction.

Simply convincing:

- Barrier-free as per DIN 18040
- With tried-and-tested EASY OPEN technology
- For door leaf widths up to 1,600 mm, single-leaf and double-leaf doors
- Effortless and smooth door opening
- Suitable/approved for emergency exits and fire doors
- Door coordinator with incorporated smoke detector with integrated power pack



TS 93 N/TS 93 EMF

- Single-leaf doors
- Electromechanical hold-open



TS 93 EMR

- Single-leaf doors
- Electromechanical hold-open with incorporated smoke detector with integrated power pack



TS 93 GSR/GSR-EMF

- Double-leaf doors with door coordinator
- Electromechanical hold-open unit



TS 93 GSR-EMR/ GSR-EMR/V

- Double-leaf doors with door coordinator
- Electromechanical hold-open with incorporated smoke detector with integrated power pack





Slide channel door closer system

TS 92/TS 91

The universal slide channel door closer for standard doors.

Simply convincing:

- With tried-and-tested EASY OPEN technology
- For door widths up to 1,100 mm (TS 92, EN 1–4) or 950 mm (TS 91, EN 3)
- For single-leaf and double-leaf doors
- Effortless and smooth door opening
- For emergency exits and fire doors



TS 97

The smallest surface-mounted door closer with slide channel in the building business.

Simply convincing:

- Compact, with an installation depth of just 37 mm
- Uniform length of door closer and slide channel
- For door widths up to 1,100 mm (EN 2–4)
- With tried-and-tested EASY OPEN technology
- Effortless and smooth door opening
- High quality for upscale interior construction
- Quick, easy installation





TS 90 Impulse

The basic slide channel door closer which combines technical quality, economic feasibility and contemporary design.

Simply convincing:

- With tried-and-tested EASY OPEN technology
- One closer body for all four installation types, DIN-L/DIN-R
- For door widths up to 1,100 mm
- Effortless and smooth door opening
- Suitable for interior doors
- Economical





Free-swing door closer

TS 97 FL XEA system

For freely movable fire and smoke doors and secure closure in the event of a fire.

The TS 97 FL XEA is the new hold-open mechanism with fail-safe from dormakaba used in conjunction with a smoke alarm system (e.g. RMZ) as a hold-open system. The TS 97 FLR-K XEA is used as a complete solution including a smoke alarm system. In both systems, the fail-safe is activated from a door opening angle of $> 0^\circ$, which means the door can move freely. In the event of an alarm or power failure, the door closer will securely close the door.



Simply convincing:

- Adjustable closing force EN 3–6
- Barrier-free thanks to the tried-and-tested EASY OPEN technology – as per DIN 18040 and DIN SPEC 1104 (CEN/TR 15894)
- Intuitive use of the door – fail-safe is put into force on the first door operation irrespective of the door opening angle
- For fire and smoke doors up to 1,400 mm wide and weighing up to 180 kg
- Closing time continuously adjustable using valve
- Can be used for DIN-L and DIN-R
- Adjustable latching action for reliable door closing
- Uniform appearance in the dormakaba XEA design



TS 97 FL XEA

- Single-leaf doors
- Fail-safe



TS 97 FLR-K XEA

- Single-leaf doors with fail-safe
- Incorporated smoke detector with integrated power pack



TS 97 FL GSR XEA

- Double-leaf doors with door coordinator

TS 99 system

High freedom of movement for even more door widths.

The free-swing door closer enables nearly resistance-free opening of fire doors. Thanks to the fail-safe, the door is freely movable and is especially suitable for barrier-free construction as per DIN 18040 or DIN SPEC 1104, but in case of alarm only in connection with an RMZ.

Door closer TS 99 FL with the Contur design is a hold-open mechanism with fail-safe used as a hold-open system in connection with a smoke alarm system (dormakaba RMZ). In the event of an alarm or power failure, the door closer will securely close the door.



Simply convincing:

- Effortless and smooth door opening
- For door leaf widths up to 1,250 mm, single-leaf and double-leaf doors
- Fail-safe for door angle >0°
- Adjustable closing force EN 2–5



TS 99 FL

- Single-leaf doors
- Fail-safe



TS 99 FLR

- Single-leaf doors with fail-safe
- Incorporated smoke detector with integrated power pack



TS 99 FLR-K

- Single-leaf doors with fail-safe
- Incorporated smoke detector with integrated power pack



TS 99 FL GSR/ FL GSR-EMF 1/ FL GSR-EMR 1

- Double-leaf doors with door coordinator
- Incorporated smoke detector with integrated power pack



Door closer with standard arm

TS 83

Convenience door closer with standard arm and self-regulating backcheck.

Simply impressive:

- For nearly every door size and application (EN 3–6 and 7)
- Also available with optimised corrosion protection for exterior doors
- Compact closer design and solid flat arm
- Broad functional scope – standard and optional
- Can be used on fire and smoke doors



TS 73 EMF

The electrohydraulic hold-open of the TS 73 EMF makes it effortless to hold doors open at angles from 75° to 180°. The doors lock securely in the event of an alarm or power failure. The standard arm can be upgraded to convert the TS 73 EMF into a free-swing door closer.

Simply impressive:

- Integrated electrohydraulic hold-open function
- Hold-open point freely selectable from 75°
- Door leaf widths up to 1,400 mm
- Can be expanded into a free-swing door closer



TS 73 V

Versatile, compact door closer with standard arm for doors of a wide variety of different designs and constructions.

Simply impressive:

- Specifically for interior fire and smoke doors (EN 2-4)
- Door leaf widths up to 1,100 mm
- Adjustable closing force and speed
- One closer body for all four installation types, DIN-L/DIN-R
- Compact, timeless design



TS 72/TS 71

The universal door closer with a standard arm impresses with its easy, direct attachment to interior doors.

Simply impressive:

- Adjustable closing force EN 2-4
- Easy installation without mounting plates
- Compact design
- Economical solution for standard doors
- Adjustable latching action
- Timeless design





Concealed door closers

ITS 96



Simply convincing:

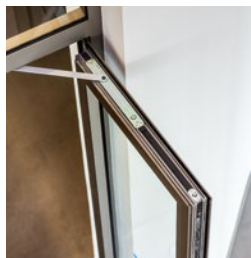
ITS 96

- Extensive range of variants for barrier-free building as per DIN SPEC 1104
- EASY OPEN technology
- Adjustable closing force and closing time
- For door leaf widths up to 1100 mm
- Latching action can be switched on and off
- Optionally available with hold-open function

Simply convincing:

ITS 96 FL

- Fail-safe for door angle $>0^\circ$
- For door leaf widths of up to 1,400 mm
- For single-leaf and double-leaf doors (at active door leaf)
- Can be combined with standard ITS 96 slide channels
- Suitable for barrier-free building in accordance with DIN 18040



ITS 96

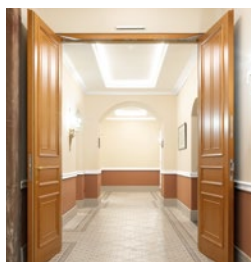
- Single-leaf doors
- For standard doors and fire doors

ITS 96 EN 3-6

- Exterior, single-leaf and double-leaf doors
- With hydraulic opening damping

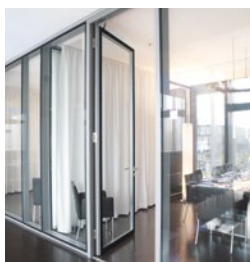
ITS 96 EMF

- Single-leaf doors
- Electromechanical hold-open unit



ITS 96 GSR/ ITS 96 GSR-EMF

- Double-leaf doors
- Integrated door coordinator



ITS 96 FL

- Single-leaf and double-leaf doors
- Resistance-free opening



ITS 96 FL GSR/ ITS 96 FL GSR-EMF 1

- Double-leaf doors at active door leaf
- Resistance-free opening



The ITS 96 system offers an extensive range of solutions for the covered installation of door closers. EASY OPEN technology enables rapidly decreasing opening torque as per DIN SPEC 1104. With dormakaba ITS 96 door closers with EASY OPEN technology, the heart-shaped cam significantly and immediately reduces the opening torque to be overcome. This means that children, the elderly and people with disabilities in particular are able to open the door with minimal force.



Floor spring

BTS 80 system, BTS 75 V

Whether standard, narrow or wide, DIN left, DIN right or double action door – as universal floor springs, BTS 80 and BTS 75 V are designed for all types of doors. A comprehensive range of accessories ensures that they can be adapted to a wide variety of door constructions and different floor finishes. The individual functions of the floor springs fulfil a range of different requirements while offering high reliability and quality.



Simply convincing:

BTS 80

- Concealed installation
- For single-leaf and double-leaf doors
- For door leaf widths up to 1100 mm
- For door-leaf weights up to 300 kg
- Extensive range of variants with hold-open and fail-safe
- Easy door opening in accordance with DIN SPEC 1104

The BTS 80 floor spring system offers a host of functional and usage options for single-leaf and double-leaf doors. It's characterised by high opening comfort and can be used for preventive fire protection. The system can be supplemented with an electro-hydraulic hold-open or fail-safe.



Simply convincing:

BTS 75 V

- Concealed installation
- Adjustable closing force EN 1–4
- For door leaf widths up to 1,100 mm
- Including mechanical backcheck
- Easy door opening according to German Industrial Standard (DIN) SPEC 1104
- With integrated installation level



BTS 80/BTS 80 F

- Preventive fire protection
- Door leaf weight up to 300 kg



BTS 80 BSR F, BTS 80 BSR EMB, BTS 80 BSR FLB

- Double-leaf doors
- Door coordinators



BTS 80, BTS 80 F, BTS 80 EMB, BTS 80 FLB

- Single-leaf doors
- Modular system



BTS 75 V

- Fire and smoke doors
- Up to 120 kg door-leaf weight

BTS 84



The door closer integrated into the floor, specifically for double action doors. With an overall depth of just 40 mm, only a shallow floor recess is required for installation, including for upgrading.

Simply convincing:

BTS 84

- Concealed installation
- Suitable for double action doors
- For door leaf widths up to 1,100 mm
- Adjustable closing time
- Optional hold-open at a 90° angle



System components and accessories

RMZ XEA and RMZ smoke detector with integrated power pack

The RMZ smoke detector with integrated power pack supplements door closer systems for preventive fire protection. It supplies connected hold-open mechanisms with 24 V direct current and deenergises them in the event of an alarm or during a power failure (release).

Simply convincing:

- Possibility to connect additional smoke detectors (e.g. dormakaba RM-N)
- Potential-free change-over contact
- With integrated maintenance and operation display
- Suitable for lintel mounting
- RMZ is available in XEA and Contur designs



Funeo Wireless smoke detection system

The wireless smoke detection system for door hold-open devices allows for quick and straightforward installation without the need for complex cabling. Ceiling smoke detectors and manual release buttons are permanently mounted, and the radio module is connected to the smoke detection control unit. The radio technology replaces traditional wiring on ceilings and walls.

Simply convincing:

- Complies with legal requirements for fire and smoke protection doors
- Reliable wireless connection without cables
- Integrated battery with up to 8 years of operation
- LED light ring indicates operational status
- Connects up to 20 wireless components in one network



G 96 GSR EMF 1 hold-open mechanism

The G 96 GSR EMF 1 hold-open mechanism allows the two leaves of a double-leaf door to be individually held open. It just makes sense: You get better economy with no reduction in security, quality or reliability!

Simply convincing:

- One hold-open system for two door leaves
- Barrier-free as per DIN 18040 and DIN SPEC 1104
- Suitable for doors in escape and rescue routes
- Approved by the DIBt in Berlin for use in hold-open systems
- Design freedom thanks to concealed installation
- Adjustable release force

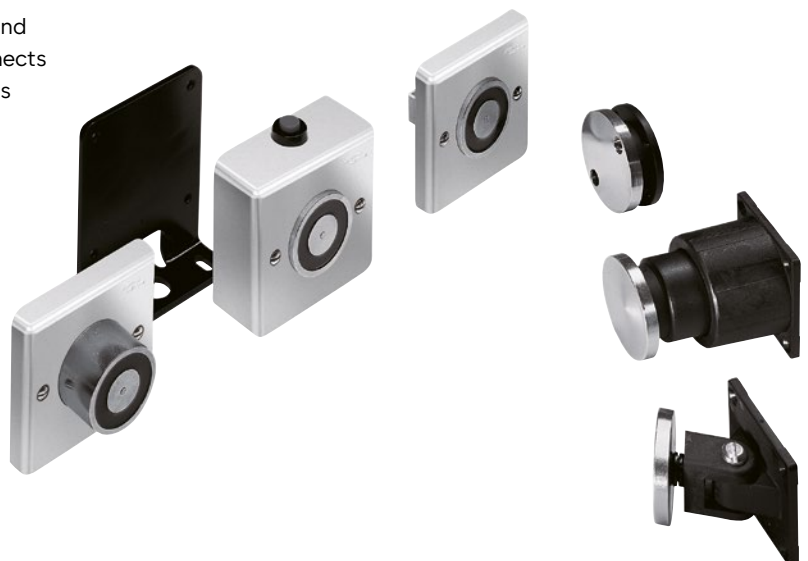


EM electric hold-open magnets

Hold-open mechanisms that keep fire protection terminals and smoke doors open. In case of fire, the trigger element disconnects the hold-open system as soon as the fire detector recognizes the fire.

Simply convincing:

- For surface, flush and floor mounting
- Modular system for flexible application
- Concealed cable entry
- Optimal holding force with low power consumption
- Especially suitable for wide and heavy doors



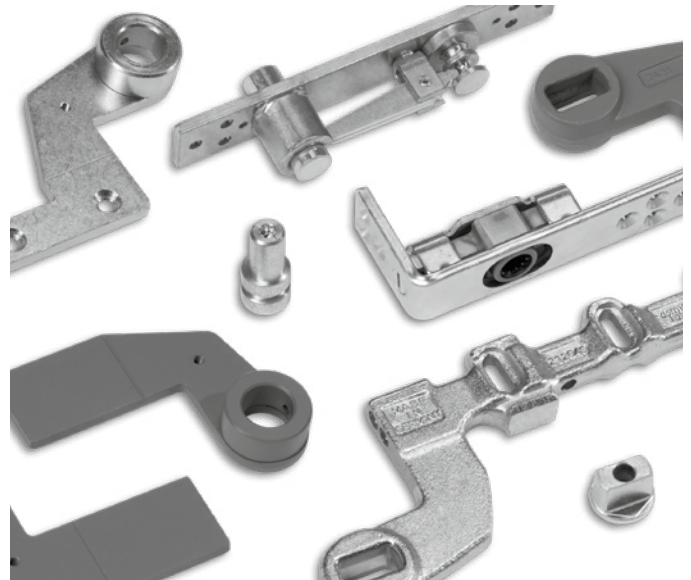


Light metal door hinges, pin hinges, door levers, pivot bearings and spindles for floor springs

Our floor and frame door closer systems are so flexible thanks to our extensive accessories that you're optimally equipped for just about every door situation.

Simply convincing:

- Light metal door levers for flush-mounted single action doors
 - Pin hinges with eccentric plastic bushing
 - Steel door lever, die-forged, galvanised
 - Pivot bearings also available with extended shafts
- Timeless design







Door locks



The new generation of dormakaba SVP emergency-escape locks is ideally suited for use in escape and rescue routes as well as in fire and smoke doors. Any door can be safely protected with the emergency escape function and the self-locking facility.

Improved protection of human life:

- Emergency escape function in accordance with EN 179 and EN 1125
- Thanks to the emergency-escape function, the door can be opened in the direction of escape at any time by pressing the lever handle or the horizontal push bar

Improved protection of property:

- Automatic locking of the doors after closing
- Can be used in suitable door systems up to resistance class RC 2
- Increased tamper protection through improved mechanical process safety

The improved functions not only simplify the process of opening the door, but also offer installation advantages:

- Improved force transmission for problem-free opening even under difficult conditions
- Reliable locking and unlocking of motor locks through integrated power reserve module (SVP 2000 DCW® F)
- Integrated LED for status indication and error evaluation directly at the lock
- New operational modifications: DCW®, analog or CAN bus for motor lock variants

Emergency-escape locks with automatic locking mechanism

SVP/SVZ for single-leaf doors at a glance

Version EN 179 + EN 1125							
SVP/SVZ features	SVP 5xxx	SVP 4xxx	SVP 6xxx	SVZ 6xxx	SVP 2000 DCW®	SVP 2000 DCW® F	SVP 7000 Air
Mechanical lock	●	●					
Lever handle-controlled lock			●	●			●
Motor lock					●	●	
Access control lock				●			
Emergency escape function:	●	●	●	–	●	●	● ³⁾
Mechanical self-locking	●	●	●	●	●	●	●
Mechanical process control	●	●	●	●	●	●	●
Two-point locking	●	●	●	●	●	●	
Sabotage line		●	●	●	●	●	
Bolt monitoring		●	●	●	●	●	
Signalling of handle operation/emergency unlocking		●	●	●	●	●	
Door-open monitoring via trigger		●	●	●	●	●	
Cylinder contact		●	●	●	●	●	
External lever handle can be electrically coupled/decoupled			●	●			●
Electrical motorised unlocking					●	●	
Adjustable unlocking time					●	●	
Permanent external access is possible (permanent open) ¹⁾			●	●			●
Automatic locking mechanism can be disabled electrically (permanent door release) ²⁾					●		
Automatic switching off of permanent open/permanent door release in case of a power failure			●	●	○ ²⁾		
Electronic sequential control (anti-tamper protection)					●	●	
Automatic reset of the release when the door fails to open			●	●	●	●	
Approval in accordance with EN 179	●	●	●		●	●	●
Approval in accordance with EN 1125	●	●	●		●	●	●

● Standard ○ Optional

1) Permanent open function also permissible on fire and smoke doors, as the doors have a tumbler for the case of a fire

2) In combination with the power reserve module

3) In combination with SVP-S Air



Door locks

Emergency-escape locks with automatic locking mechanism

SVP 5000/SVP 4000/SVP 6000/SVZ 6000

Additional functions:

SVP 4000

- With querying of the door status

SVP 6000 – lever handle-controlled

- Electrically activated external lever handle for authorised access
- Universal connection to 12 V DC/24 V DC
- Versions: Operating/closed-circuit current

SVZ 6000 – access control lock

- Activatable internal and external lever handle
- One-piece follower
- No emergency-escape function

Simply convincing:

SVP 5000

- Emergency-escape function as per EN 179 and EN 1125
- Automatic locking mechanism – no need for manual locking
- Universal trip latch
- Up to resistance class RC 2 in suitable door systems





SVP 7000 Air

Battery-operated emergency-escape lock with automatic locking mechanism and split follower for use in escape routes and for fire and smoke doors as per EN 179 and EN 1125. Thanks to the emergency-escape function, quick opening of the door is possible, while the automatic locking mechanism ensures secure lock re-engagement once the door has closed.

Simply convincing:

- Automatic relocking action
- Upgrade lock thanks to wireless installation
- Securely locked even in the event of a battery failure
- Ideal solution for integration into existing access control systems with the help of the SVP-S Air module, e.g. with the dormakaba MATRIX software
- Opening and locking of the door with a hand-held transmitter for authorised access from the side opposite the emergency-escape side
- Programming of up to 100 authorisations directly on the wireless lock
- Easy door opening according to German Industrial Standard (DIN) SPEC 1104





Door locks

Emergency-escape locks with automatic locking mechanism

SVP 2000 DCW®/F (fire protection)

Emergency-escape motor locks for timber doors provide increased convenience thanks to motorised unlocking. Thanks to the emergency-escape function, quick opening of the door is possible from the inside. The automatic locking mechanism ensures that the door is securely locked as soon as the door closes.



Simply impressive:

SVP 2000 DCW® motorised emergency-escape lock

- LED for visual support during operation, maintenance and commissioning (e.g. operation modes and event notifications)
- Automatic relocking action
- With the DCW® bus, CAN bus and standalone operation modes
- LED status indication shows error messages, such as incorrect operating voltage, bus connection interrupted and more
- Can be used analogically without control unit (open and close only)
- Querying of the door status
- Convenient remote unlocking in combination with access control and escape route security systems
- DIN universal trip latch
- Certified as per EN 179 and EN 1125

Additional functions:

SVP 2000 DCW® F – for fire and smoke doors

With integrated power reserve module





Door locks



The SVI (inactive emergency-escape lock, passive door leaf) and SVA (active emergency-escape lock, active door leaf) for double-leaf doors feature an automatic locking mechanism and are an optimal addition to the existing SVP portfolio. They are ideal for use in barrier-free door applications, among many others.

Saving lives on the one hand, protecting property on the other – SVI and SVA emergency-escape locks with automatic locking mechanism can do both. Thanks to their emergency-escape function, both the active and passive door leaves can be opened at any time in the direction of escape by actuating the lever handle or horizontal push bar (certified as per EN 179 and EN 1125). Automatic locking of the doors each time they are closed offers protection against unauthorised entry. In addition to improved mechanical sequential control (SVA) for increased tamper protection, the new integrated LED in the motorised emergency-escape locks enables easy commissioning and maintenance by means of visual status indicators right at the door application.

Area of use:

Securing double-leaf doors that are permanent escape route doors from the inside, but may only be used by authorised persons from the outside.

Functional description:

The combination of an active door leaf lock (SVA) and a passive door leaf lock (SVI) automatically locks the door every time it is closed. Both the passive and active door leaves can be opened in the direction of escape at any time in accordance with EN 179 or EN 1125.

Combination matrix SVA/SVI

	SVI 5000	SVI 4000	SVI 2000 F
SVA 5000	-	-	-
SVA 4000	-	-	-
SVA 6000	●	●	●
SVA 2000	-	-	-
SVA 2000 F			

● = Compatible – = Not possible

Emergency-escape locks with automatic locking mechanism

SVA/SVI for double-leaf doors at a glance

Features and functions of SVA/SVI lock combinations with automatic locking mechanism for double-leaf doors

		SVA active door leaf					SVI passive door leaf		
		SVA 5000	SVA 4000	SVA 6000	SVA 2000	SVA 2000 F	SVI 5000	SVI 4,000	SVI 2000 F
Approvals	Fire and smoke doors	●	●	●	● ²⁾	●	●	●	●
	DIN EN 179/DIN EN 1125	●	●	●	●	●	●	●	●
Emergency escape functions	Door opening from inside via lever handle/push bar	●	●	●	●	●	●	●	●
	Forced closure function (C)	-	-	●	-	-	-	-	-
	Panic function (E) with knob/lever set	●	●	-	●	●	-	-	-
Unlock	From outside with key	●	●	●	●	●	-	-	-
	From outside via lever handle after electrical release (integration in access control systems)	-	-	●	-	-	-	-	-
	- Automatic reset of the release when the door fails to open	-	-	●	●	●	-	-	●
	- Adjustable unlock or relock time (programmable via TMS Soft®)	-	-	-	●	●	-	-	-
	- Permanent door release ³⁾	-	-	-	●	● ⁵⁾	-	-	● ⁴⁾
	Permanent access possible (permanent open/all bolts open) ¹⁾	-	-	●	-	-	-	-	-
	Motor lock (suitable for automatic doors)	-	-	-	●	●	-	-	●
	Automatic switching off of permanent open/permanent door release in case of a power failure	-	-	●	○ ³⁾	○ ^{3) 5)}	-	-	-
	Suitable for electronic cylinders	●	●	●	●	●	-	-	-
Monitoring	Message "Door open/closed"	-	●	●	●	●	-	-	-
	Message "Door locked/unlocked"	-	●	●	●	●	-	●	●
	Message "Handle operation/Emergency escape function"	-	●	●	●	●	-	●	●
	Message "Cylinder locking"	-	●	●	●	●	-	-	-
	Message "Drive dead bolt"	-	-	-	-	-	-	●	●
	Sabotage line	-	●	●	●	●	-	-	-
	DCW®/CAN bus interface	-	-	-	●	●			●
Break-in protection	Insurance-compliant locking (dual-point locking device)	●	●	●	●	●	●	●	●
	Mechanical self-locking	●	●	●	●	●	●	●	●
Mode of operation	Mechanical (without wiring)	●	-	-	-	-	●	-	-
	Mechanical with electrical monitoring	-	●	●	-	-	-	●	-
	Motorised unlocking	-	-	-	●	●	-	-	●
	External lever handle can be electrically coupled/decoupled	-	-	●	-	-	-	-	-
Miscellaneous	Mechanical process control	●	●	●	●	●	●	●	●
	Electronic sequential control	-	-	-	●	●	-	-	●

● = Yes - = No ○ = Optional

¹⁾ PERMANENT OPEN function also permissible on fire and smoke doors, as the doors have a tumbler for the case of a fire.

²⁾ For fire and smoke doors in conjunction with the PR module (emergency power buffer).

³⁾ In fire and smoke doors not approved for permanent door release, as approval is not guaranteed in the event of a fire.

⁴⁾ Depending on the SVA lock used on the active leaf.

⁵⁾ Only in combination with ED 100/250



Door locks

Emergency-escape locks with automatic locking mechanism

SVA and SVI 5000/SVA and SVI 4000/SVA 6000

The combination of an active door leaf lock and a passive door leaf lock automatically locks the door every time it is closed. Both the passive and active door leaves can be opened in the direction of escape at any time in accordance with EN 179 or EN 1125. Insurance-compliant lock with bolt. Product variants are available for timber and narrow stile doors and for profile and round cylinder variants depending on the product series.



Simply convincing:

SVA active leaf door locks

SVA 5000

- Purely mechanical lock with emergency-escape function and mechanical sequential control

SVA 4000

- Electrically monitored emergency-escape lock
- With integrated tamper-proof detectors for monitoring latches, cylinders, handles and bolts
- Versions: Operating/closed-circuit current

SVA 6000

- Electrically monitored emergency-escape lock with split follower for the electrical engagement and disengagement of the outside handle
- Status message for trip latch, bolt, cylinder locking and lever handle

Simply convincing:

SVI passive door leaf locks

SVI 5000

- A purely mechanical lock with emergency-escape function

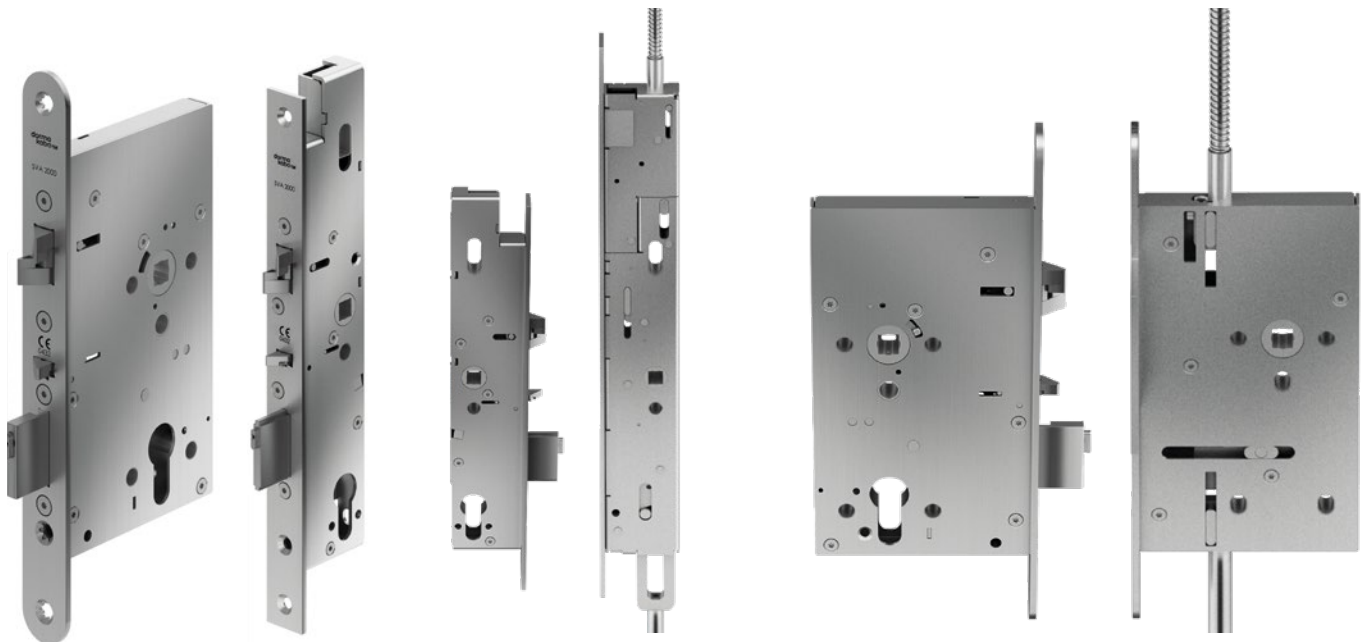
SVI 4000

- Electrically monitored emergency-escape lock
- Status message for lock rod and lever handle

SVA 2000

SVA 2000 F and SVI 2000 F (fire protection)

Emergency-escape lock with automatic locking mechanism and integrated power reserve module. Thanks to the emergency-escape function, quick opening of the door is possible from the inside. The automatic locking mechanism ensures that the door is securely locked as soon as the door closes.



Simply impressive:

SVP 2000 motorised emergency-escape lock

SVA 2000

- Integrated LED with status indication for parameterisation and maintenance/error indication
- Operation modes for the motor lock: Analogically with control unit, via DCW® or CAN bus or autonomously without control unit
- Status message for latch, bolt, cylinder locking and lever handle
- Direct connection e.g. via the integrated bus to dormakaba ED single-action door operators or SafeRoute escape route security system

Simply convincing:

SVA and SVI 2000 F – for fire and smoke doors

SVA 2000 F

- Smoke doors (permanent door release function excluded)
- Integrated LED with status indication for parameterisation and maintenance/error indication
- Operation modes: Analogically with control unit, via DCW® or CAN bus or autonomously without control unit

SVI 2000 F

- Motor lock for the passive door leaf
- Status message for lock rod and lever handle
- Integrated LED with status indication for parameterisation and maintenance/error indication
- Operation modes: Analogically with control unit, via DCW® or CAN bus or autonomously without control unit
- With top and bottom rod lock systems



Door locks

Emergency-escape locks with automatic locking mechanism

M-SVP 2200 DCW[®]/5000/3000

The dormakaba M-SVP multipoint locking systems with automatic locking mechanism and emergency-escape function offer greater security and convenience for all common door designs in both private and commercial building applications. Thanks to the emergency-escape unlocking feature, the door can be opened from the inside at any time in case of danger by simply using the lever handle. Unlocking from the outside with a key is always possible as well. M-SVP multipoint locks are permitted for use in doors in escape routes and in fire and smoke doors.



Simply convincing:

M-SVP 2000/M-SVP 2200 DCW®: motorised multipoint lock with automatic locking mechanism

- Very convenient thanks to motorised locking and unlocking, especially in combination with access control systems
- Door closes up tightly thanks to two steel hooks
- In suitable door systems, a very high level of burglary protection up to resistance class RC 3 can be achieved
- Barrier-free outfitting of doors can be implemented in combination with automatic actuators as needed
- Daytime latch locking function and permanent door release for doors with a high opening frequency
- With detectors for querying the door status
- All control components can be elegantly integrated into the door frame profile

M-SVP 2200 DCW®

- Integrated dormakaba DCW® system bus technology
- Two additional bolts for optimisation of the lock

M-SVP 5000: multipoint lock with automatic locking mechanism

- Purely mechanical lock
- Can easily be upgraded without wiring
- Locking occurs automatically each time closing occurs

M-SVP 3000: electromechanical multipoint lock with automatic locking mechanism

- Convenient thanks to motorised unlocking, especially in combination with access control systems
- Barrier-free outfitting of doors can be implemented in combination with automatic actuators as needed
- Permanent door release for doors with a high opening frequency
- Mechanical self-locking



M-SVP 2000 and M-SVP 2200 DCW® with hooks



Latch bolt in the case of M-SVP 3000 and M-SVP 5000



Door locks

Emergency-escape locks with automatic locking mechanism

M-SVP 3500/5500

Greater security for double-leaf escape route door systems: In combination with an emergency-escape strike box, a switch lock and the self-locking shootbolts, the dormakaba M-SVP 3500 and M-SVP 5500 door latches also offer the familiar advantages of automatic multipoint locks with emergency-escape function in double-leaf building doors. They are suitable for use in double-leaf emergency exits and panic doors as well as in fire and smoke doors.

Simply impressive:

M-SVP 3500

- Electromechanical multipoint lock with emergency-escape function for double-leaf doors
- Automatic locking mechanism each time closing occurs
- Convenient thanks to motorised unlocking of the active door leaf in combination with access control systems
- Permanent door release for doors with a high opening frequency
- Various feedback, such as: lever handle pressed, locked/unlocked etc.

M-SVP 5500

- Mechanical multipoint lock with emergency-escape function for double-leaf door systems
- Automatic locking each time closing occurs
- No wiring is required



M-SVP 3500 with strike box for double-leaf doors



Latch bolt in the case of M-SVP 3500 and M-SVP 5500



M-SVP 3500 in combination with PHA 2500 panic hardware fitting and SafeRoute escape route security system



Panic hardware

PHA 2501 and PHA 2501 VB

dormakaba offers the option of ordering parts of high-grade panic door locks without major considerations regarding compatibility for single-leaf timber or narrow stile doors. Both versions, PHA 2501 and PHA 2501 VB, provide maximum security in accordance with EN 1125 with all SVP emergency-escape locks with automatic locking mechanism of the latest generation.

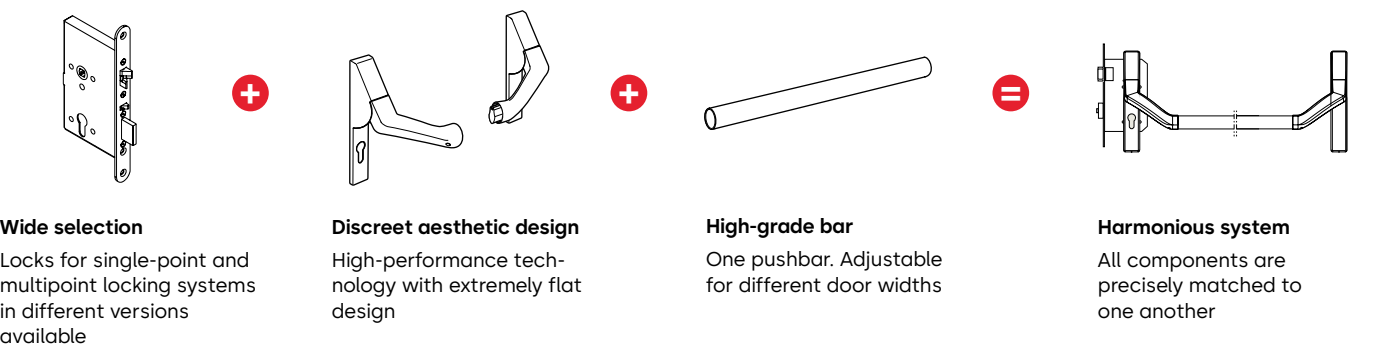
Simply impressive:

- With just four variants and dormakaba SVP locks, many common requirements as per EN 1125 can be covered (PHA 2501 for narrow stile doors in the colour silver and stainless-steel finish, PHA 2501 VB for timber doors in the colour silver and stainless-steel finish)
- Extra escape route door security, e.g. with Safe Route, is still possible without any restrictions
- Suitable for multifunctional doors, e.g. with a swing door operator, when combined with motor lock
- Intuitive operation – recognised state-of-the-art escape route doors for people unfamiliar with your building



Reliable and modular

Fitting and pushbar create an aesthetic design which can be easily seen and grasped. A high-performance panic hardware system is thus provided from a single source and suited to your needs.



Possible combinations

Door types	Timber door		Narrow stile door	
Automatic locking mechanism, purely mechanical	SVP 5000	M-SVP 5000	SVP 5000	M-SVP 5000
Self-locking with feedback and monitoring functions	SVP 4000		SVP 4000	
Self-locking with connection to access control	SVP 6000	M-SVP 3000	SVP 6000	M-SVP 3000
Self-locking with connection to access control and door automation	SVP 2000 SVP 2000 F		SVP 2000 SVP 2000 F	



Panic hardware

PHA 2501-PC0 (SVI) and PHA 2501 VB

For double-leaf timber and narrow stile doors, dormakaba also offers all the components for a certified full emergency solution in accordance with EN 1125 from a single source. The panic hardware fittings for the active door leaf are the same here as those for a single-leaf solution, except that the passive door leaf fitting PHA2501-PC0 (SVI) is included. As a combination with all SVI and SVA emergency-escape locks with automatic locking mechanism is possible, the selection of functions is very flexible here.

Simply convincing:

- Equip double-leaf, full emergency doors in accordance with EN 1125 with just six variants and dormakaba SVI/SVA locks
- Suitable for multifunctional doors, e.g. with a swing door operator, depending on the selected SVI/SVA combination
- Recognised state-of-the-art technology for double-leaf escape route doors, e.g. for especially wide escape routes in meeting places
- Variants also available for M-SVP multi-point locks and M-SVP lock cases for double-leaf doors, as well as for Swiss round cylinders.



Reliable and modular

The appearance of the fitting and push bar is absolutely identical to the single-leaf solution and independent of the lock combination used. This not only results in high-performance panic door locks, but a uniform aesthetic as well.

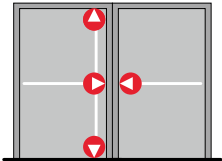
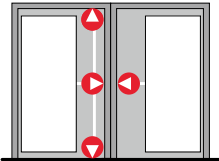
Wide selection
Locks for single-point and multipoint locking systems in different versions available

Convenient accessory sets
Everything you need for installation suitable for the door situation

High-quality panic fittings
Identical appearance for both door leaves, adaptable for different widths

Harmonious system
All components are precisely matched to one another

Possible combinations

Door types	Timber door	Narrow stile door		
				
Inactive door leaf				
	Automatic locking mechanism, purely mechanical	Automatic locking mechanism with feedback and monitoring functions	Automatic locking mechanism with connection to access control and door automation	
Active door leaf	Automatic locking mechanism, purely mechanical	SVA 5000 / SVI 5000 F	SVA 5000 / SVI 4000 F	–
	Automatic locking mechanism with feedback and monitoring functions	SVA 4000 / SVI 5000 F	SVA 4000 / SVI 4000 F	–
	Automatic locking mechanism with connection to access control	SVA 6000 / SVI 5000 F	SVA 6000 / SVI 4000 F	–
	Automatic locking mechanism with connection to access control and door automation	SVA 2000 / SVI 5000 F	SVA 2000 / SVI 4000 F	SVA 2000 / SVI 2000 F F
	Automatic locking mechanism with connection to access control and door automation	SVA 2000 F / SVI 5000 F	SVA 2000 F / SVI 4000 F	SVA 2000 F / SVI 2000 F F



Panic Hardware

PHA 2000

Reliable protection. Even in critical moments. The PHA 2000 system with crossbar is tested and certified to EN 1125. Thanks to its modular design, it supports a wide range of applications for both single- and double-leaf doors.

Advanced and innovative hardware for emergency exit doors

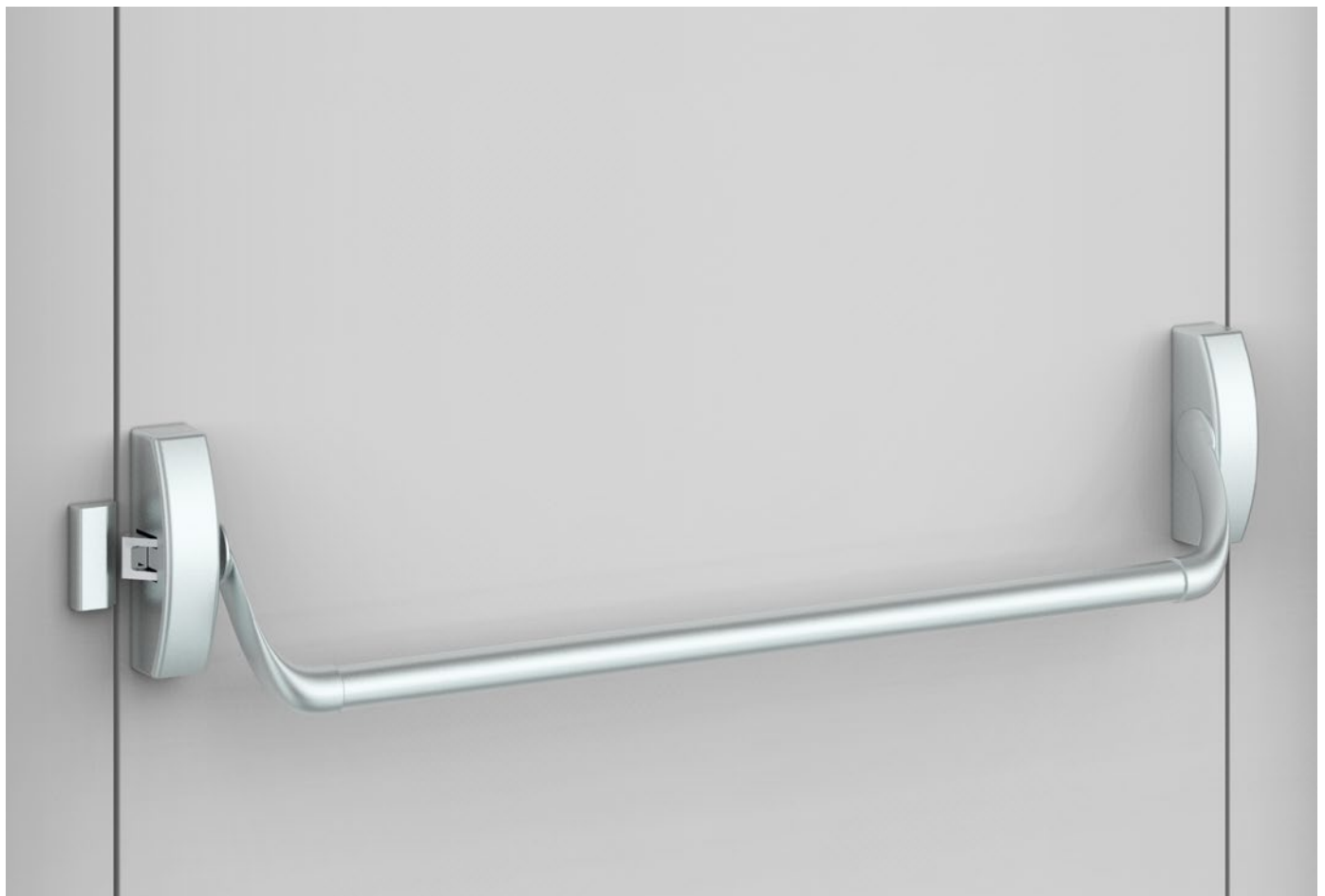
With this system, dormakaba offers a comprehensive range of high-quality panic hardware for escape route doors where safety, reliability, and aesthetics are essential. The dormakaba PHA and PHB products cover all hardware requirements for public buildings such as hospitals, universities, schools, concert halls, shopping centres, hotels, and office complexes.

For office areas or residential buildings without public access, the dormakaba Exit Pad is the ideal solution. Both series use the same external hardware from the dormakaba PHT range.

The PHA 2000 series with crossbar, the PHB 3000 series with push bar, and the universally applicable PHT external fittings form a product range suitable for use on narrow-profile doors as well as timber doors. The wide latch bolt engages securely in a keeper, typically mounted on the frame, ensuring reliable locking while allowing for quick and easy installation.

Simply convincing:

- For horizontal and vertical panic locking
- Different locking options
- No visible fixings
- Simple and fast installation



PHB 3000

Reliable protection. Even in critical moments. The PHB 3000 system with push bar is tested and certified to EN 1125. Thanks to its modular design, it supports a wide range of applications for both single- and double-leaf doors.

Advanced and innovative hardware for emergency exit doors

With this system, dormakaba offers a comprehensive range of high-quality panic hardware for escape route doors where safety, reliability, and aesthetics are essential. The dormakaba PHA and PHB products cover all hardware requirements for public buildings such as hospitals, universities, schools, concert halls, shopping centres, hotels, and office complexes. For office areas or residential buildings without public access, the dormakaba Exit Pad is the ideal solution. Both series use the same external hardware from the dormakaba PHT range.

The PHA 2000 series with crossbar, the PHB 3000 series with push bar, and the universally applicable PHT external fittings form a product range suitable for use on narrow-profile doors as well as timber doors. The wide latch bolt engages securely in a keeper, typically mounted on the frame, ensuring reliable locking while allowing for quick and easy installation.

Simply convincing:

- For horizontal and vertical panic locking
- Different locking options
- No visible fixings
- Simple and fast installation





Electric strikes

at a glance



Basic series							
	Basic XS	Basic	Basic 448 Lucky	Basic Safe	Basic Radius	Basic Radius Safe	Basic Small
General doors	●	●	●	●	●	●	
Doors with thermo-profiles							●
Smoke doors							
Fire doors							
Symmetrical housing	●	●	●	●	●	●	
Asymmetrical housing							●
Can be used for DIN-L and DIN-R	●	●	●	●	●	●	
Radius latch	●				●	●	
Closed-circuit current version	○			●		●	
Operating current version	●	●	●		●		●
Closed-circuit current/operating current switchable							
Unlocking function (E)	●	●			●		●
Locking function (A)		●			●		
Feedback contact (RR)	○	●	●	●	●	●	
Easy Adapt latch guide	○	○	●	○			
Tamper switch							

● Standard ○ Optional



Smoke series		DES series				Fire series	
Smoke	Smoke 448 Lucky	DES 72x	DES 731	DES 300	DES 400	Fire 447	Fire 448 Lucky
		●	●				
●	●					●	●
						●	●
●	●			●	●	●	●
		●	●				
●	●	●	●	●	●	●	●
			●				
●	●	●				●	●
				●	●		
●	●	●	●	●	●	●	●
○	●					○	●
					●		



Electric strikes

Basic series

XS, Small, Safe, Radius, Basic 448 Lucky

Electric strikes enable easy, controlled access and secure keeping of general doors closed. Since this can be installed in any position and is largely adjustable, installation and upgrading are much easier.

Simply convincing:

- DIN-L-/DIN-R-neutral installation
- Can be delivered in 6–12 V, 12 V and 24 V versions
- Adjustable latch to compensate for installation tolerances
- Versions with door release, locking and feedback contact
- Integrated overvoltage protection
- Available in different sizes



Smoke series

Smoke, Smoke 448 Lucky

With its smoke protection clearance in any position, the Smoke electric strike has a wide range of applications in releasing smoke doors. "Smoke" smoke door strikes are available for all common operating voltages.

Simply convincing:

- Smoke protection clearance in any position
- DIN-L-/DIN-R-neutral installation
- Can be delivered in 6–12 V, 12 V and 24 V versions
- Adjustable latch to compensate for installation tolerances
- Version with feedback contact
- Integrated overvoltage protection



DES series

DES 72x, DES 731, DES 300, DES 400

The DES security door opener offers a universal solution for doors with high security requirements. Its high holding force, extensive monitoring functions and the corresponding accessories enable the convenient and appropriate application for a wide range of building conditions without problems.

Simply convincing:

- High holding force of approx. 13,000 N
- Adjustable closed-circuit or operating current
- Variant with monitoring function for latch and door position as well as tamper switch
- Operating voltage 12/24 V DC
- Stainless steel latch
- DIN-L/DIN-R installation



Fire series

Fire 447, Fire 448 Lucky

Electric fire door strike with fire protection clearance in any position.

Simply convincing:

- Fire protection clearance in any position
- DIN-L-/DIN-R-neutral installation
- Can be delivered in 6–12 V, 12 V and 24 V versions
- Adjustable latch to compensate for installation tolerances
- Version with feedback contact
- Integrated overvoltage protection





Mechanical key systems

at a glance

Serrated key system – works and specialist partner system			
	pextra Q Five pins and optional profile scanning pin	pextra Q Six pins and optional profile scanning pin	
Suitable for locking systems:			
Complex		●	
Medium and large	●		
Small and medium			
One key for everything (door cylinder, letterbox, furniture etc.)	●	●	
Tumbler series			
Tumbler pin pairs (per cylinder side)			
Max. 20 active tumbler pin pairs, plus cross element			
Max. 22 active tumbler pin pairs in 85 possible positions			
Max. 22 active tumbler pin pairs in 44 possible positions			
Max. 16 active tumbler pin pairs in 32 possible positions			
Increased key copy protection thanks to moving element	●	●	
European patent* – patent term	2042	2042	
Brand protection with figurative mark	●	●	
Classification key in accordance with EN 1303:2015-08/DIN 18252:2018-05			
Standard version	1/6/0/B/0/C/5/C	1/6/0/B/0/C/6/C	
Option with two insert mounting screws (BS1 version)			
Option with increased drilling and pulling protection (LAM version)	1/6/0/B/0/C/5/D	1/6/0/B/0/C/6/D	
Classification in accordance with VdS – VdS classes B/BZ/BZ+	○	○	
Fire protection – cylinder tested in accordance with EN 1634-1 and EN 1634-2	●	●	
Key shapes			
Standard key shapes	Square bow	Square bow	
Optional key shapes	Trend key Metal bow RFID clip	Trend key Metal bow RFID clip	
Colours as optional orientation aid			
Mini clip colours	5	5	
Large clip colours	11	11	
Trend key clip colours	6	6	
Metal clip colours	3 + neutral	3 + neutral	
Smart key clip colours			
Large key clip colours			
RFID clip colours – integration into electronic systems	6	6	
Special functions** available (excerpt shown below)			
Modification to access permission	SUZ/BAZ	SUZ/BAZ	
Time-limited access (SAT)			
Thermally insulated locking cylinder (TIC)			
Cylinder lockable on both sides (BSZ)	○	○	
Emergency opening with emergency key function (GF)	○	○	

● Standard ○ Optional *Not valid in all countries – for more details, see worldwide.espacenet.com. **Special functions are to be checked with regard to their combination

Reversible key works systems				Reversible key specialist partner systems		
	gemini plus	quattro	penta	penta cross	expert	expert cross
		●	●			
				●	●	
	●					●
	●	●	●	●	●	●
	3	4	5	5	4	4
				● 78 possible positions		● 40 possible positions
			●			
		●			●	
	●					
				●		●
	2033	2043	2043	2036	2043	2036
	●	●	●	●	●	●
	1/6/0/B/0/C/6/B	1/6/0/B/0/C/6/B	1/6/0/B/0/C/6/B	1/6/0/B/0/C/6/B	1/6/0/B/0/C/6/B	1/6/0/B/0/C/6/B
	1/6/0/B/0/C/6/C	1/6/0/B/0/C/6/C	1/6/0/B/0/C/6/C	1/6/0/B/0/C/6/C	1/6/0/B/0/C/6/C	1/6/0/B/0/C/6/C
	1/6/0/B/0/C/6/D	1/6/0/B/0/C/6/D	1/6/0/B/0/C/6/D	1/6/0/B/0/C/6/D	1/6/0/B/0/C/6/D	1/6/0/B/0/C/6/D
	○	○	○	○	○	○
	●	●	●	●	●	●
	Smart key clip, blue	Smart key clip, blue	Smart key clip, black	Smart key clip, black	Smart key clip, blue	Smart key clip, blue
	Large key Long bow RFID clip	Large key Long bow RFID clip	Large key Long bow RFID clip	Large key Long bow RFID clip	Large key Long bow RFID clip	Large key Long bow RFID clip
	12	12	12	12	12	12
	12	12	12	12	12	12
	6	6	6	6	6	6
	BAZ	BAZ	BAZ	BAZ	BAZ	BAZ
		○			○	
	○	○	○	○	○	○
	○	○	○	○	○	○
	○	○	○	○	○	○

ability with one another and the availability of cylinder types.



Access management

Cleverly solved with a locking system

Regardless of whether it's a serrated or reversible key system, a locking system gives you a comprehensive solution for ensuring access security. Based on your requirements, you generate a solution that's suitable for you – regardless of whether it's "one key for everything", a residential building system or a simple or complex locking system. You'll also benefit from our large selection of types. Integrate furniture cylinders, key switches or lift controls into your locking system, for example.



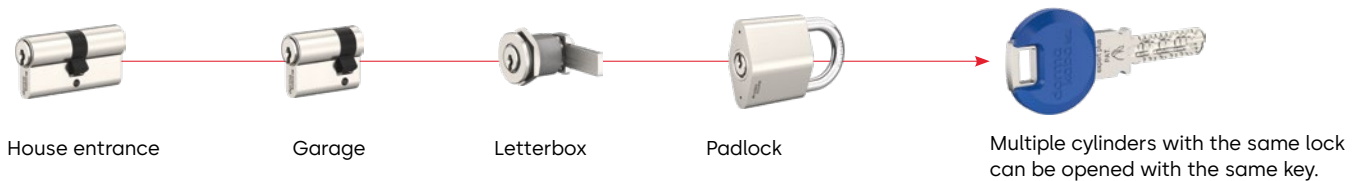
Same-key locking cylinders, or "one key for everything".

Used in single-family homes, for example.

All, or only selected, locking cylinders can be opened with the same key.

This simplifies handling and allows for a smaller key ring.

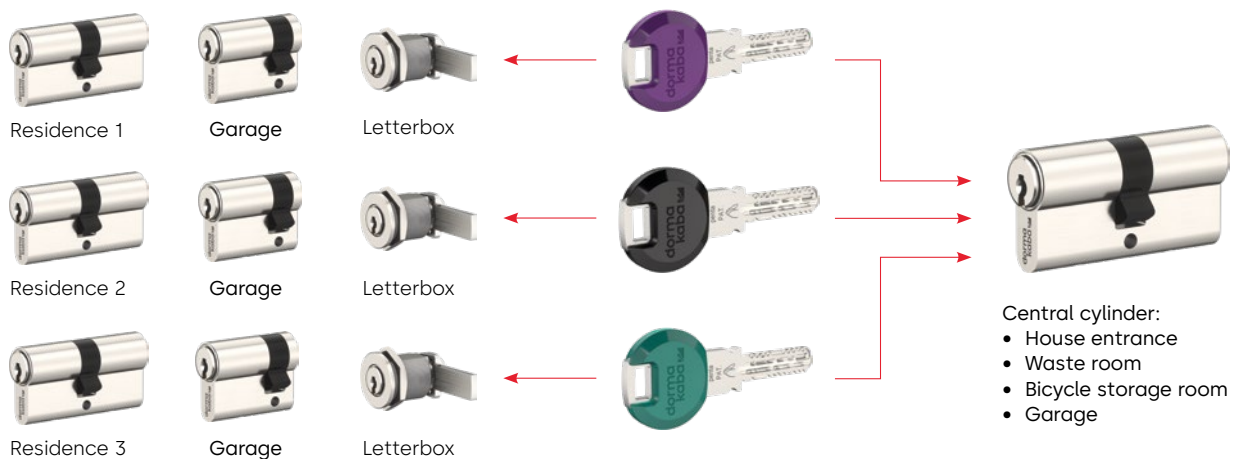
Locking cylinders or doors



Central locking systems

Used in residential complexes, for example. Several different individual keys can lock central locking cylinders.

There are also individual locks which can only be locked with one key.



With the **manager locking system** special type, the central and common areas of several buildings (locking systems) spread out in different locations can be locked with just a single key (manager key).

Master key systems

Used in office buildings and schools, for example.

There are single-locking cylinders, as well as one or more higher-level keys (master keys) which lock all the cylinders of the system.

Individual keys (ES):
Lock only certain doors



Locking cylinders or doors



Secretarial service



Sales



IT



Master key (HS):
Locks all doors

General master key systems

Used in large office buildings or at universities, for example.

The functions of a master key system are expanded with general master keys, master group keys and group keys.

Group key (GS):
Locks a
specific area



Individual key (ES):
Locks only certain doors



Locking cylinders or doors



Sales 1



Sales 2



IT



Accounting

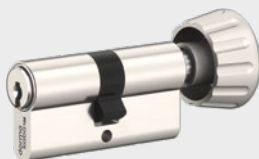


General master key (GHS):
Locks all doors

Sample of cylinder types



DZ



DKZ



HZ



VHZ



AZ



BMZ



MZ



MAS



SZ

- DZ Double cylinder
- DKZ Thumbturn cylinder
- HZ Half cylinder
- VHZ Padlock cylinder
- AZ Rim cylinder
- BMZ Cam cylinder
- MZ Furniture cylinder
- MAS Furniture stop lock
- SZ Switch cylinder

*Different types are available depending on the locking system



Mechanical key cylinders

Serrated key system

dormakaba pextra Q



Security locking cylinder with extra protection. In the dormakaba pextra Q locking system, key security is increased significantly with a key profile. The profile is created using an elaborate milling process and makes manipulation considerably more difficult. dormakaba pextra Q is the premium locking system from dormakaba in conventional toothed-key applications and is suitable for complex and large locking systems with high security requirements.

Simply convincing:

- Locking cylinders can be selected with five, six or seven tumbler pins for even greater decoding protection
- Improved insertion of the key into the key slot thanks to an angled taper in the barrel
- Steel elements in the cylinder housing and barrel offer increased protection against drilling out
- Key copy protection thanks to optional active pin in the cylinder
- New serial number range system – every key is unique and can be precisely assigned
- Patent term until 2042
- Optional security elements for even greater protection and useful special functions
- Integration into electronic systems with RFID clip (can also be retrofitted)
- Available as works or partner system
- Environmental product declarations (EPDs) available



Reversible key system

dormakaba gemini plus

dormakaba gemini plus helps you to get started with the reversible key class – on a high level. The standard design offers a high degree of protection against common break-in methods such as picking and bumping. If needed, additional security elements can increase burglary protection. The system is especially suitable for private residences (one key for everything) or for small companies with a small or medium locking system.

Simply convincing:

- Three radially arranged pin rows
- Up to 16 active tumbler pin pairs
- A total of 32 possible tumbler positions
- Patent term until 2033
- Suitable for small and medium locking systems
- Modular system structure for economical adaptation to new requirements
- Optional security elements for even greater protection and useful special functions
- Integration into electronic systems with RFID clip (can also be retrofitted)
- Environmental product declarations (EPDs) available



Reversible key system

dormakaba quattro

The four radially arranged pin rows offer extra security and increased protection against common break-in methods.

The mechanical locking cylinder offers time-limited access through the SAT special function. This is particularly suitable for sophisticated applications and medium to large locking systems.

Simply convincing:

- 4 radially-arranged pin rows
- Up to 22 active tumbler pin pairs
- A total of 44 possible tumbler positions
- Patent term until 2043
- Suitable for large locking systems
- Modular system structure for economical adaptation to new requirements
- Optional security elements for even greater protection and useful special functions
- SAT (secure access temporary) special function
- Integration into electronic systems with RFID clip (can also be retrofitted)
- Environmental product declarations (EPDs) available





Reversible key system

dormakaba penta

With its five radially arranged pin rows, this locking cylinder ensures a high degree of security. It enables use in especially complex and sophisticated locking systems. A wide variety of different types, such as furniture and switch cylinders, can also be integrated into the locking system. Planning of your locking system is flexible thanks to the keylink planning method. It makes adjustments and expansions possible later on.

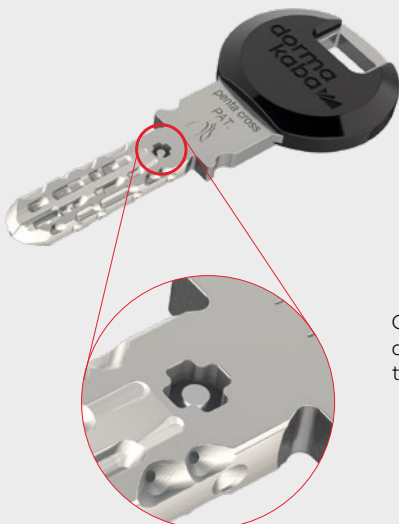


Simply convincing:

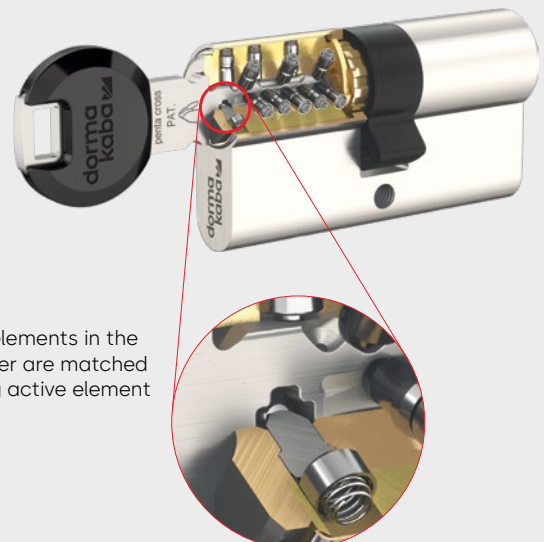
- Five radially arranged tumbler series
- Up to 22 active tumbler pin pairs (20 with cross)
- A total of 85 possible tumbler positions (78 with cross)
- penta patent term until 2043
- Suitable for large and complex locking systems
- Modular system structure for economical adaptation to new requirements
- Optional security elements for even greater protection and useful special functions
- Structured planning and organization of complex locking systems with keylink
- Integration into electronic systems with RFID clip (can also be retrofitted)
- Environmental product declarations (EPDs) available

High-level copy protection – penta cross

In the penta cross system, there is a cross-shaped recess with a moving active element in the key, which represents increased 3D copy protection. When the key is inserted, the movement of the active element is queried by security elements matched to it in the locking cylinder. The matching lock cylinder can only be locked and unlocked when the moving active element is present in the key.



Cross-shaped recess with a moving active element in the key



The security elements in the locking cylinder are matched to the moving active element in the key.

Easy and flexible management of your locking system

dormakaba keylink

Flexible

Mechanical locking systems planned with dormakaba keylink are adaptable and expandable. Whilst classically planned systems could hardly be changed, or only with lots of effort and at high cost, organisational changes at the company are now easier to solve with keylink.

The locking system can be adapted to the new conditions, and this can be done with little organisational effort and at a manageable cost, as the locking cylinders of the system don't need to be replaced.

Easy

The mechanical locking system can be planned with dormakaba keylink quickly and easier than ever before, which makes it easier for those in charge to make statements and decisions on the feasibility of expansions later on. This represents extra planning and investment security. With keylink, access management can very easily be controlled with a computer by the person in charge of security at the company – this also applies to key organisation, i.e. the issuance of new keys if access permissions have changed or if new employees join the company.

Simply convincing:

- Future-oriented planning method for the dormakaba penta mechanical locking system
- Planning based on company organisation and room zones
- Access permissions can be adapted as needed through new key issuance
- Flexible expandability of the locking system
- Consistently high security standard in every expansion stage
- Joint planning for different properties is possible
- Offers extra planning and investment security





Locking cylinders straight from your specialist partner

Our patented cylinder systems are available either as works or specialist partner systems.

Whereas the works systems (e.g. gemini, quattro and penta) are only produced at our works, our partner systems (e.g. pextra+ or expert plus) can be obtained directly from authorised specialist partners.

By investing in a specialised key milling machine and following corresponding training and certification, our specialist partners are able to assemble the cylinders and mill the key blanks themselves.

The keys and key blanks of our patented partner systems aren't available anywhere else. Our authorised specialist partners obtain the cylinder components and key blanks directly from the factory using a specific dealer code. A duplicate key is then created from the patented key blank. Keys can only be reordered through identification with the security card or the proof of identity method agreed upon in the respective individual case.

Key milling machines aren't able to create a duplicate key from our key blank until approval has been granted by dormakaba through the transfer of a password to the partner. For dormakaba expert, only machines from two manufacturers in the market are currently able to produce our technically sophisticated keys from the key blanks and comply with the required measurement tolerances in the micrometre range. If these tolerances aren't met, the key won't lock. The entire process, from development and manufacture of a new key milling machine to commissioning by the partner, is contractually defined with the manufacturers of the key milling machines.



Futura Pro key milling machine from Silca for dormakaba specialist partners



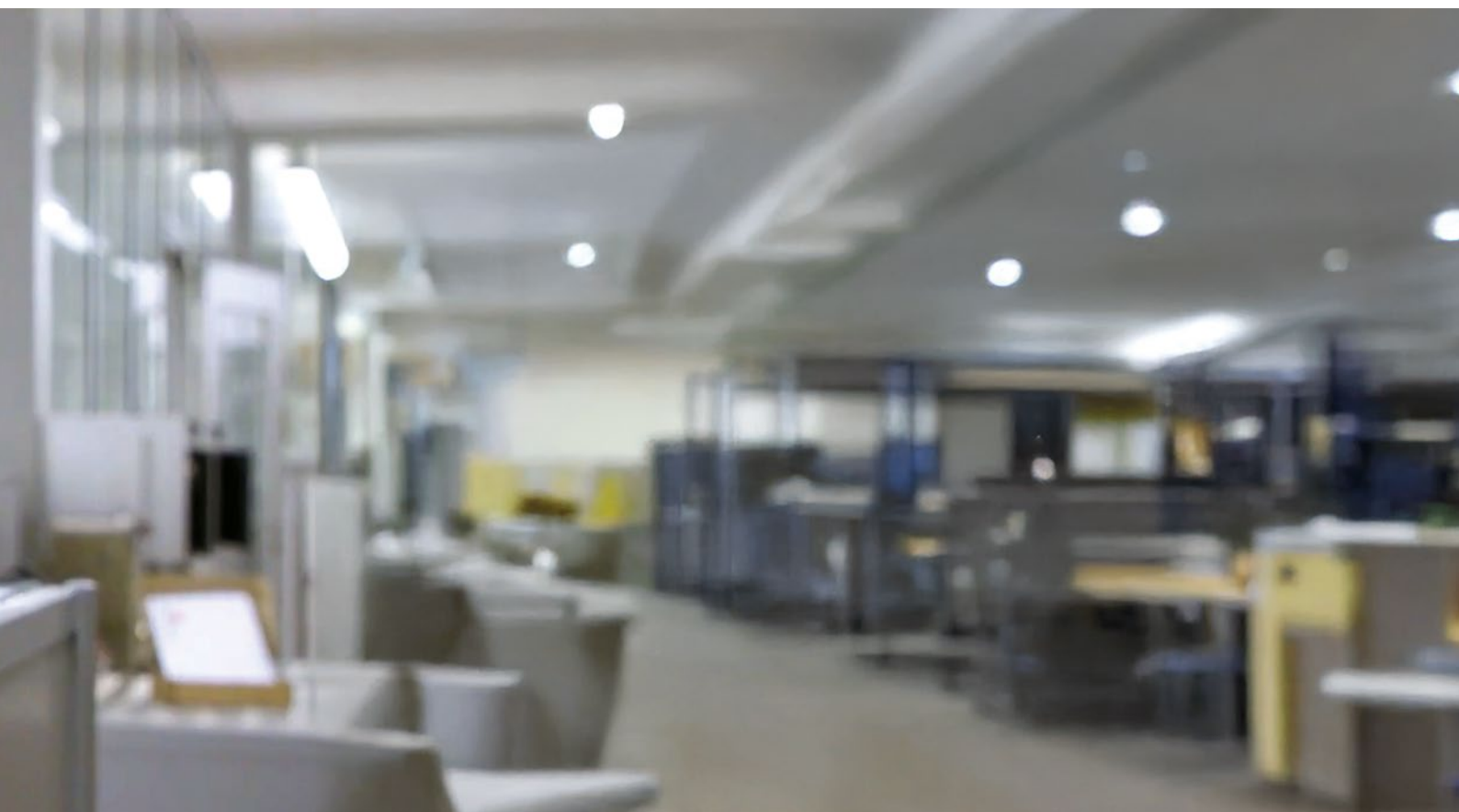
Reversible key system

dormakaba expert

The dormakaba expert reversible key system can be customised for the customer on site by authorised specialist dealers. This means that the specialist partners are the only contact partners for key copies using a special dealer code. The expert system offers a high level of protection and convenient operation for serial cylinder systems or medium to large master key systems. This makes it ideal for securing and organising access for private homes, apartments or small and medium-sized businesses. The mechanical locking cylinder offers time-limited access through the SAT special function.

Simply convincing:

- 4 radially-arranged pin rows
- Up to 22 active tumbler pin pairs
- A total of 44 tumbler positions
- expert plus patent term until 2043
- Suitable for serial cylinder systems and medium to medium-large locking systems
- Modular system structure for economical adaptation to new requirements
- Optional security elements for even greater protection and useful special functions
- SAT (secure access temporary) special function available
- Integration into electronic systems with RFID clip (can also be retrofitted)
- Environmental product declarations (EPDs) available





Serrated key systems

Choose the form and function of the serrated keys.



Standard key with angular bow and lateral blocking element as well as optional mini clip



Trend key with colour clip for ergonomic opening



Metal bow key for easier operation with multiple locking systems or deep roses



Key with RFID transponder clip for integration into electronic systems for access control

Colours as optional orientation aid



For the **standard key**, there are eleven colours for large clips and five colours for mini clips.



Trend key is available in dark blue, light blue, red, green, yellow and black.



The **RFID transponder clips** are offered in six colors for better differentiation.

Reversible key systems

Choose the form and function of the reversible keys.



Standard key with black clip for penta and penta cross as well as blue clip for all other reversible key systems



Key with large key clip



Key with long bow



Key with RFID transponder clip for integration into electronic systems for access control

Colours as optional orientation aid



For the **standard key**, there are smart key clips in 12 colours.



The **key with a large key clip** is also available in 12 colours.



The **RFID transponder clips** are offered in six colors for better differentiation and key organisation.





Refined surface finishes



Uniform black for serrated and reversible key systems

Colours and surface finishes have always been playing a significant role. This is why mechanical locking cylinders from dormakaba are available in a wide variety of different surface finish versions. Nickel-plated and bare brass are the standard surface finishes. The black locking cylinder was added to our range as BKM, matt black, and is based on RAL colour 9005. Depending on the customer's needs and wishes, the various different surface finishes can be combined within a locking system.

Surface finishes



01



02



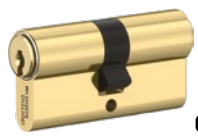
03



04



05



06



07



08



09

- 01 NI | Bare nickel*
- 02 MS | Bare brass*
- 03 CR | Standard chrome
- 04 NIC | Chemically nickel-plated
- 05 CRP | Chrome-plated, polished

- 06 MP | Polished brass
- 08 BM | Medium brown
- 09 BD | Dark brown
- 10 BKM | Matt black

*Standard surface finishes

Colours are representative only and not available for all cylinder types or thumbturns. There may be some slight colour differences between the reversible key and serrated key systems in some cases.

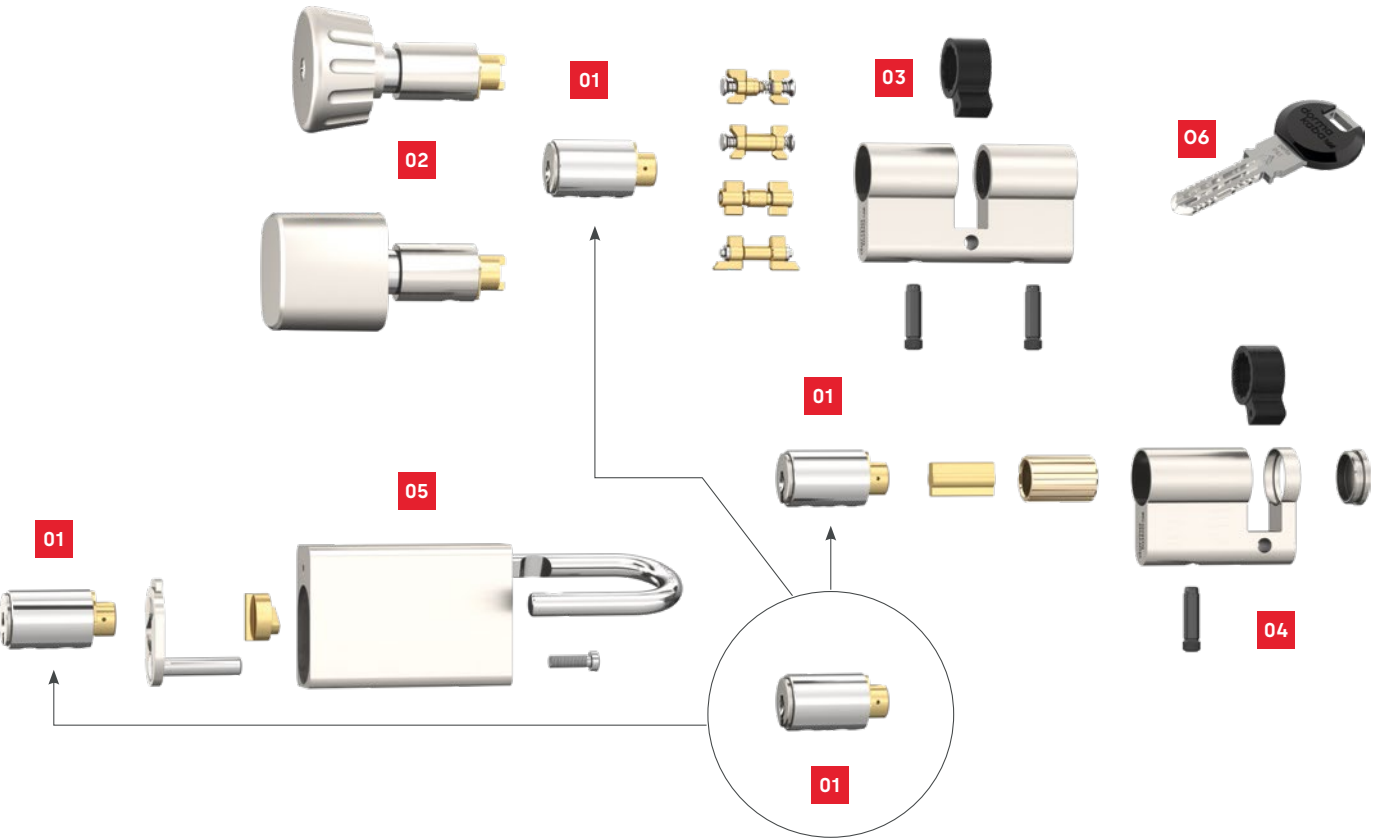
Modular design. Maximum flexibility. Reversible key systems

Quick and cost-effective adaptation

Reversible key systems offer high investment security, even if requirements change over time. A modular, forward-compatible system design enables quick and easy conversion of the cylinder to other lengths and types. The existing lock cylinder can be adapted to a new length with little effort, for example for a new entrance door, or can be fitted with an elegant thumbturn knob.

Sustainably economical

The heart of the system are modular exchangeable inserts which can easily be used in all cylinder types, e.g. half cylinders, thumbturn cylinders, rim cylinders, furniture cylinders, padlocks and cam cylinders. Combination with cylinder housings of different lengths (complete housings), couplings and tappet hubs opens up nearly limitless options for the conversion of an access solution which has already been provided to the customer.



01
The modular insert contains the locking authorisation for the keys and can be integrated into all reversible key cylinder types

02
A thumbturn can very easily be retrofitted

03
Different housing lengths of the double cylinder make easy length conversion possible

04
Half-cylinder with an insert

05
Padlock with an insert

06
Key with locking authorisation as per the locking plan



Added value for your locking system

Useful special functions

Depending on the requirement, you can supplement your custom locking solution with one of our many special functions. These functions offer you added value in both functionality and utility. For details on this, see the **Special functions for serrated keys** and **Special functions for reversible keys** brochures.

Need a key change?

No reason to replace the cylinder

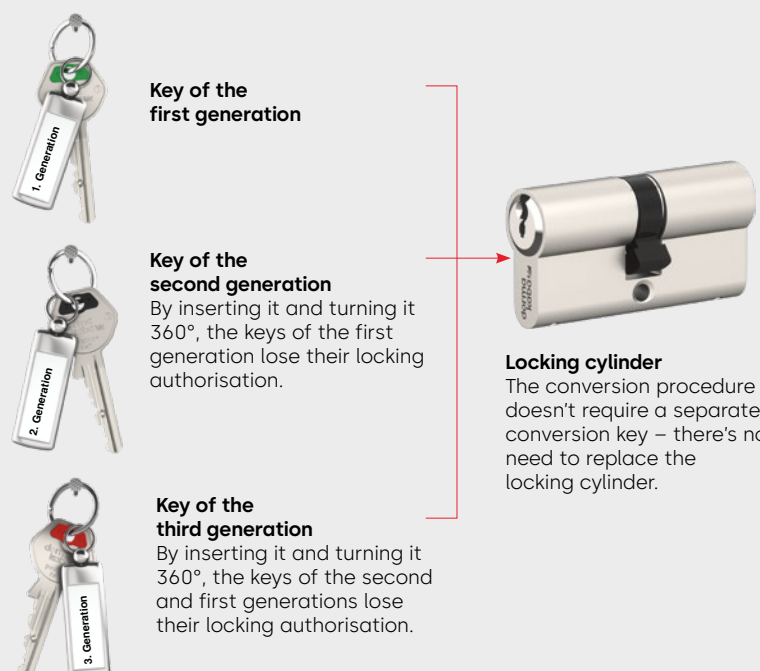
Self-changing cylinder (SUZ)

Your requirements:

You don't want to replace all the cylinders if a key is lost or a renter moves out with the key. Or perhaps you'd like to block access to tradespeople following completion of the building phase.

How it works:

There are three generations of key for the self-changing cylinder (or two generations in the case of SUZ1). The cylinder lock can therefore be changed up to two times. Turning the key of the subsequent generation in the cylinder prevents the previously used key from being able to unlock anymore. No additional tools or keys are required here.



Simply impressive:

- Lock can be changed up to two times
- No special conversion key is required
- "Old" key can no longer be used straight after conversion of the cylinder
- Locking cylinder doesn't need to be replaced when a renter moves out or if a key is lost
- Reduces both costs and effort
- An option for responding to a lost key, enabling control of your locking system
- Available for serrated key systems only

Need to change an access permission? A conversion key makes it possible!

Building-phase function (BAZ)



All keys have access permission



Conversion key U1 is used:
Pin combination in the cylinder is modified



S1 had its access permission withdrawn



Conversion key U2 is used:
Pin combination in the cylinder is modified



S1 and S2 no longer have access permission

Your requirements:

Following completion of the building phase, you would like to withdraw access from the tradespeople and dispense with the need for a provisional locking system. Or perhaps you'd like to quickly change the access permission due to a key being lost, without having to replace all the cylinders.

How it works:

For the BAZ cylinders, there are up to three generations of keys and a corresponding conversion key. A one-time conversion of the cylinder with the conversion key terminates the permission of the first key. Only the key of the subsequent generation will then work.

Simply convincing:

- Lock can be changed up to two times
- Locking cylinder doesn't need to be replaced when a renter moves out or if a key is lost
- Reduces both costs and effort
- An option for responding to a lost key, enabling control of your locking system
- Increased security – conversion keys must be destroyed



Access for service personnel?

Easy with the turn of a key!

Secure access temporary (SAT)

Your requirements:

You'd like to grant time-limited access to third persons, e.g. cleaning personnel, dog sitters/babysitters or neighbours while on holiday.

How it works:

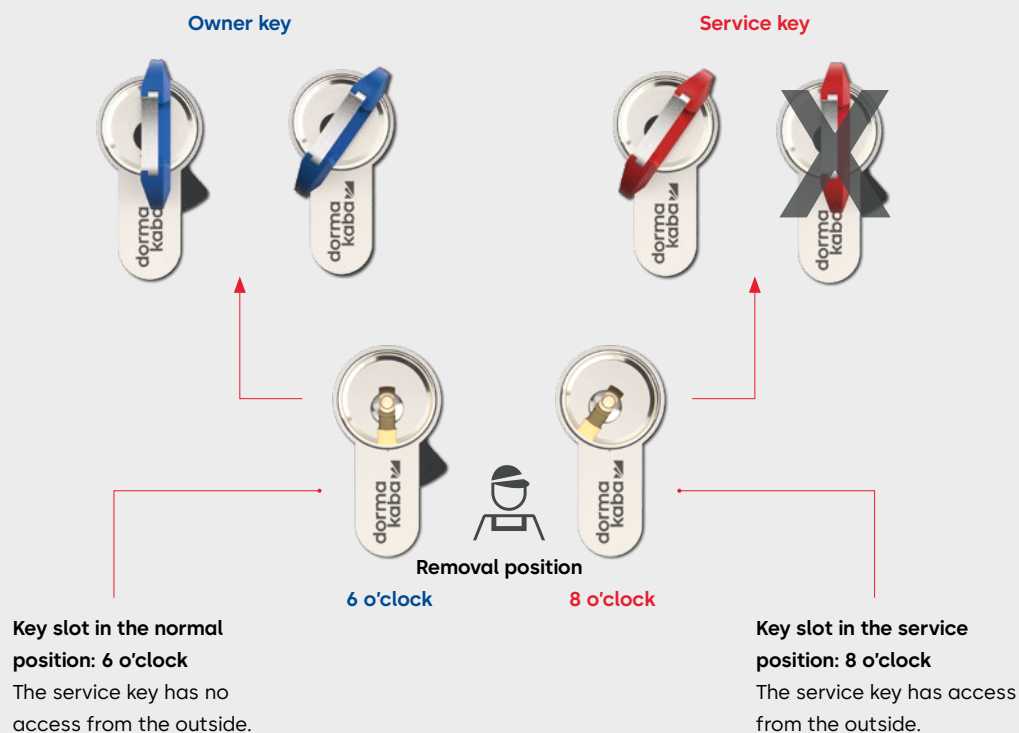
There's one owner key and one service key. If the owner key is removed from the SAT locking cylinder in the 8 o'clock position – by the house owner, for example – the door can also be unlocked with the service key.

If the owner key is removed in the 6 o'clock position (vertical position), the door can't be opened with the service key from the outside.

If the service function is active and the door is locked with the service key from the inside, the owner can still unlock the door from the outside even if the service key is located in the cylinder on the inside. They always have access.

Simply convincing:

- Purely mechanical solution with owner and service keys
- Owner key grants or withdraws the service key locking authorisation
- Time-limited access, as locking authorisation occurs with a key turn
- Service key can be given additional locking authorisations within a locking plan
- Available exclusively for the quattro plus and expert plus systems



Damp and cold outside? Everything's dry inside.

Thermally insulated cylinder (TIC)

Your requirements:

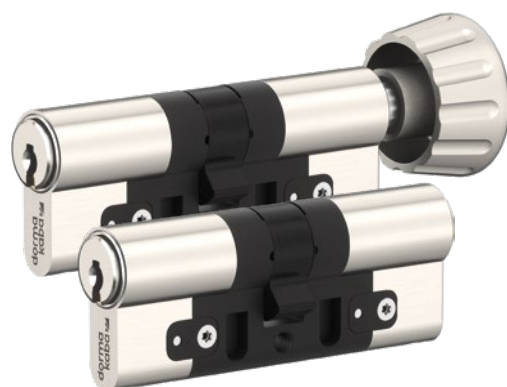
You'd like to prevent water condensation forming inside the locking cylinder on the doors of passive houses. Or perhaps there are locks in your locking system which are exposed to especially harsh weather.

How it works:

The separation of outside and inside using plastic components ensures thermal insulation. Water condensation formation on the inside of the door can't occur even in extreme cold. A foam rubber seal on the outside of the cylinder protects against draught and driving rain.

Simply convincing:

- Protection against water condensation and ice forming on the inside of the cylinder
- Protection against driving rain on the outside and greater protection against draught
- Ideal for passive houses, pergola doors and side doors
- Secure and guaranteed access, even in outside temperatures down to -20°C
- Available with the lockable-on-both-sides function or with a thumbturn
- Available for reversible key systems only



Heavy use, corrosion, dust or insects? No problem.

Special designs

Your requirements:

You experience unusual environmental influences or have especially high demands on the locking cylinder and would therefore like additional protection for your locking cylinders.

How it works:

For a variety of different environmental influences, we offer dust and spray-water protection (SSW) and dust and insect protection (SIS). For those located near the sea, we recommend the seawater-resistant version (SWF). In the case of special stresses or if corrosion is expected, the chemically nickel-plated version (NIC) is a good fit.





Attack coming from the outside? Strong resistance from the inside.

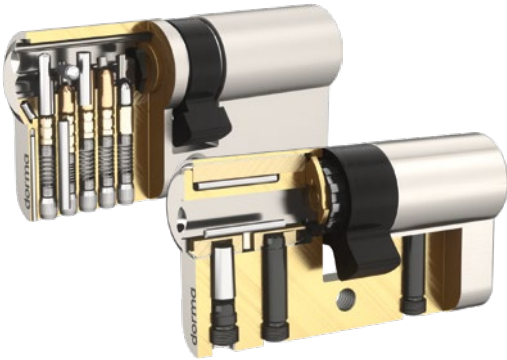
Safety versions

Your requirements:

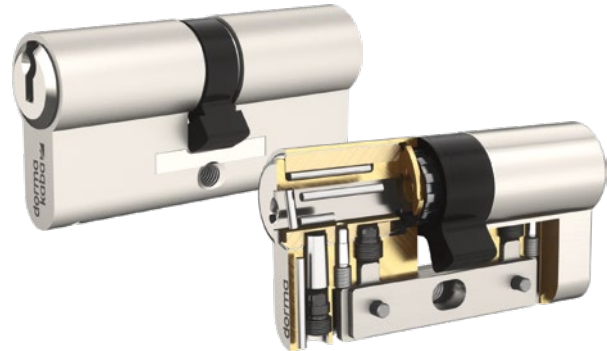
Depending on the door situation, you have different safety requirements when it comes to burglary protection.

How it works:

dormakaba locking cylinders offer good basic protection thanks to the use of high-quality materials. Configure your locking cylinder with different safety features like the VdS version, drilling protection, the slat version, a predetermined breaking point or pulling protection in the case of serrated key systems.



Locking cylinder with increased drilling protection (BS)



Serrated key system with slat version and reversible key system with increased drilling and pulling protection (BZ-LAM)

Left your key inserted on the inside? No problem!

Cylinder lockable on both sides (BSZ)

Your requirements:

You'd like to be able to unlock doors even if a key is still inserted on the opposite side, e.g. in the case of inadvertent closing of the front door.

How it works:

The double cylinder makes it possible to unlock the door from one side using an authorised key if a key is inserted and turned to any position on the opposite side. The inserted key turns at the same time. This function is ensured on both sides of the double cylinder.



Outside of the door

Inside of the door

Locked from the inside?

Not an obstacle in case of emergency.

Emergency key function (GF)



Your requirements:

You'd like to be able to unlock doors in an emergency or dangerous situation, even though a key is inserted on the inside. In every other case, the private sphere has to be guaranteed, e.g. in the case of doors in supervised residence halls.

How it works:

The double cylinder makes it possible to unlock the door from one side if a key is inserted on the other side and turned to any position, but not with a standard key. Only a specially managed and registered emergency and danger key will do.

Simply convincing:

- Emergency key function is available for reversible and serrated keys as well as for locking systems and individual locks
- Locking cylinders are inspected for fire protection as per EN 1634-1 or EN 1634-2 and meet high safety requirements
- Emergency opening with electronic door locks such as dormakaba c-lever



Emergency key function for serrated and reversible key systems



Access Automation Solutions

Entrance systems perform several functions in a building. They enable easy, secure access and regulate traffic and access to sensitive areas. They can also help to save energy in the building, as the doors close reliably. Automatic door systems from dormakaba are characterised by their design, variety, security and comfort.



Access Automation Solutions

For smooth access in life and at work, with security and comfort for everyone.

Whether it's in office buildings, public business/event centres, airports, banks, retail chains or sport stadiums, our automatic doors enable convenient access and optimise traffic throughout. The products also support controlled and straightforward access to protected areas. Whether you're entering a lobby, boarding an aircraft, coming to work, entering a fitness studio or going to a concert.



Entrance Automation



Swing door operators

From electromechanical support for manual opening to remote-operated automatic mechanisms.



Automatic sliding doors

The right solution for nearly every entrance situation. Transparency and efficient flow of people.



Sliding door operators

For all standard and escape route applications, space-saving, quiet, long-lasting and maintenance-friendly.



Revolving doors

High traffic capacity, avoidance of draughts.

Entrance Security



Security revolving doors, security turnstiles and personal interlocks

Suitable for security level. Separation sensors, access control, bullet- and burglary-resistant.



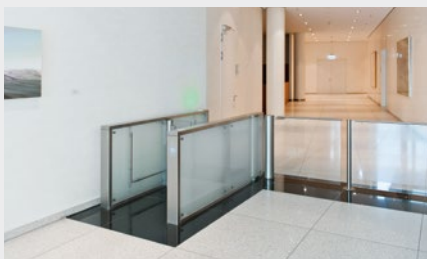
Tripod turnstiles and other turnstiles

Access control, robust and weather-proof for outside use, elegant for inside use, with digital integration.



Sensor barriers and sensor-controlled passages

Diverse modular design variants for contactless access control indoors.



Swing doors

Supplemental to our half-height access systems, for material transport or as barrier-free access.



Pedestrian guiding bars and reader posts

Guidance of people, access control and ID card organisation for our half-height access systems.



System components and accessories for entrance systems

Activators with automatic feedback, security sensors for door leaf opening.



Swing door operators

at a glance



	ED 100	ED 250
Dimensions (H x W x D) (mm)	685 x 70 x 130	685 x 70 x 130
Dimensions with incorporated smoke detector with integrated power pack (mm)	735 x 70 x 130	735 x 70 x 130
Use in fire protection	●	●
Number of door leaves	1 and 2	1 and 2
Max. power consumption (watts)	120	240
Closing force EN 1154	EN 2–4 continuously adjustable	EN 4–7 continuously adjustable
Max. door-leaf weight up to 300 mm lintel depth (kg)	160 depending on the door width	300 depending on the door width
Max. door-leaf weight from 301 to 500 mm lintel depth (kg)		160
Door-leaf width (mm)	700–1,100	700–1,600
Opening speed from 0–90° (seconds)	4 ¹⁾ –12	3 ¹⁾ –12
Closing speed from 90–0° (seconds)	5 ¹⁾ –21	4 ¹⁾ –21
Axle extension (mm)	20/30/60	20/30/60/90
Slide channel lintel depth (mm)	+/- 30	+/- 30
Slide channel CPD lintel depth (mm)	30–60	30–60
Lintel depth sliding rail CPD (250 mm)	60–250*	60–250*
Door opening angle with sliding rail CPD 250 pull side from lintel depth of 100 mm	max. 95°	max. 95°
Standard arm lintel depth (mm)	0–300	0–500
Standard arm lintel depth for fire protection (mm)	0–300	0–350

● Standard

1) Automatically limited depending on door-leaf weight as per EN16005 or DIN 18650, BS 7036-4 and ANSI 156.19 in low-energy operation mode. Max. speeds are only achieved with the full-energy operation mode, a low door-leaf weight and a learned opening angle of min. 95°.

* Not suitable for fire and smoke protection doors with lintel depths greater than 100 mm

ED 100/250



Single-action door operators for single-leaf and double-leaf doors up to 1,600 mm door-leaf width and max. 400 kg door weight

The modern ED 100/ED 250 single-action door operators are easy to operate and nonetheless very flexible. The operator has compact dimensions and can be easily adapted to individual requirements thanks to its modular structure. Despite its strength, the operator is so quiet during operation that it's hardly noticeable. The modern control system is designed in such a way that it can be adapted to the needs of the user and compensate for changing conditions in the environment, which achieves very high system availability.

Simply convincing:

- Active wind-load control in automatic mode
- Integrated smoke detector
- Technically revised arm system with XEA design and multiple toothing
- Fire and smoke doors up to 1,600 mm door width (EN 7)
- Temperature management program – reliable operation with a long service life
- Power Assist opening support – barrier-free opening as per DIN 18040, DIN SPEC 1104
- With environmental product declaration (EPD)
- **New:** Can be expanded with the integrated uninterruptible power supply ED UPS, which ensures continued automatic operation during power outages
- **New:** The new EVAC function enables barrier-free emergency exits with PowerAssist support in the event of a fire, or provides a time-limited fully automatic opening
- **New:** A smoke extraction or pressure ventilation function (SPV) ensures reliable drive operation even under varying pressure conditions in buildings
- **New:** Expandable with the intelligent door control system MotionIQ for demand-based door opening and closing based on the movement vector of the approaching person



Swing door operators

ED ESR 1/2



Single-action door operator for double-leaf doors, fully automated active door leaf with all ED-100/250 functions, passive door leaf without automatic function.

Simply convincing:

- Minimum dimension of just 7 cm in height
- Passive door leaf can be opened manually, supported by the Power Assist function
- Passive door leaf can be held open if required
- System can also be used as a hold-open system
- Use up to EN 6 (no fire protection requirement up to 3,200 mm)
- Approved for fire and smoke doors

Automatic sliding doors

ST PRO Green/ST PRO Green RC2/RC3



The ST PRO Green automatic sliding door has a thermally separated profile system. In combination with double or triple glazing, particularly low UD values (heat transfer coefficient) of up to 1.0 can be achieved (value depends on glass used and door size). The new ES PROLINE operator generation with the dormakaba direct-drive motor is energy-saving and operates with exceptional efficiency. The long service life (1.5 million cycles) contributes to sustainability far beyond the standard requirement. As a complete system, the door ensures a better energy balance in buildings.

Simply convincing:

- Extremely low UD values
- Single- and doubleleaf versions
- For use in escape routes and emergency exits
- Energy-efficient ES PROLINE sliding door operator
- Design interior cover with fully integrated security sensors (sensor cover)
- Highly efficient double and triple glazing
- ST PRO Green RC2 with burglary resistance RC2/
ST PRO Green RC3 with burglary resistance RC3
- With environmental product declaration (EPD)



Automatic sliding doors

ST FLEX



The ST FLEX automatic sliding door with the FLEX profile system creates a transparent look thanks to narrow visible widths. Convenience and barrier-free design achieve a welcoming atmosphere. Together with doors from the ST FLEX family (ST FLEX Green and ST FLEX SECURE), a harmonious overall appearance is created.

Simply convincing:

- Slim profile cross-sections
- Security secondary closing edge made of rubber
- Suitable for ISO glass with a thickness of 22 mm and single-pane glass with a thickness of 8/10/12 mm
- For use in escape routes and emergency exits
- Above-floor and floor-integrated guide rail possible
- Can also be supplied as a telescopic sliding door
- Flexibly adaptable to the requirements of the building
- With environmental product declaration (EPD)

ST FLEX Green



The automatic ST FLEX Green is an energy-saving sliding door with an environmental product declaration (EPD). It meets the current guideline values of German Energy Saving Ordinance EnEV 2016 and features extremely slim profiles and improved thermal separation.

Simply convincing:

- Complies with the current German Energy Saving Ordinance (EnEV)
- UD values from 1.4 to max. 1.8 W/m²K
- Minimised visible widths of the profiles
- Certified thermal insulation values in accordance with DIN EN ISO 10077
- For use in escape routes and emergency exits
- Sustainable, energy-saving solution
- With environmental product declaration (EPD)



Automatic sliding doors

TST FLEX



Telescopic sliding doors of the FLEX profile system offer large clearance widths with high transparency of the door elements. Together with other doors of the FLEX family, even especially challenging building solutions can be implemented.

Simply convincing:

- Telescopic mechanism ensures greater access with the same system width
- Slim FLEX profile system for transparent entrances
- Secondary closing edge with rubber security profile
- For use in escape routes and emergency exits
- Suitable for ISO glass with a thickness of 22 mm
- Same profiles as with ST FLEX sliding door

TST FLEX Green



The TST FLEX Green impresses with its wide passage opening despite a minimal overall system width. Its thermally optimized profile system ensures excellent thermal insulation. Ideal for exterior doors and vestibule solutions, as well as enclosures in public buildings – transparent, barrier-free, and energy-efficient.

Simply convincing:

- Telescopic mechanism provides a wider passage with the same system width
- Suitable for use in escape and rescue routes
- Slim FLEX Green profile system for transparent entrances
- Secondary closing edge with safety rubber profile
- Suitable for 28 mm insulating glass



Automatic sliding doors

ST PURE



Automatic sliding door with full-glass door leaves (frameless).

Simply convincing:

- Full-glass door leaves without door profiles
- Specifically for inside applications
- Door-leaf holder with modest dimensions
- Door installation types with and without side screen/fanlight are possible
- For use in escape routes and emergency exits

ST MANET



Automatic sliding door with full-glass door leaves and stainless steel holders (frameless).

Simply convincing:

- High-quality stainless steel single-point fixing for the door leaves
- Door leaves without door profiles for max. transparency
- For high-quality interior construction
- Doors with and without side screen/fanlight are possible
- For use in escape routes and emergency exits



Sliding Door Operators

Overview dormakaba

	ES PROLINE					
Product	ES 250 PRO	ES 400 PRO	ES 250 PRO FST	ES 400 PRO FST	ES 250 PRO T	ES 400 PRO T
Operator parameters						
1-leaf sliding doors						
Max. door leaf weight	1 x 125 kg	1 x 250 kg	1 x 125 kg	1 x 250 kg		
LW 900 – 1,800 mm						
LW 700 – 3,000 mm	●	●	●	●		
2-leaf sliding doors						
Max. door leaf weight	2 x 125 kg	2 x 200 kg	2 x 125 kg	2 x 200 kg		
LW 800 – 3,000 mm	●	●	●	●		
LW 900 – 3,000 mm						
2-leaf telescopic sliding doors						
Max. door leaf weight					2 x 65 kg	2 x 100 kg
LW 800 – 2,400 mm					●	●
LW 1,000 – 2,400 mm						
4-leaf telescopic sliding doors						
Max. door leaf weight					4 x 65 kg	4 x 100 kg
LW 1,400 – 4,000					●	●
Suitable for use with the following profile systems*						
ST PRO Green	●	●	●	●		
ST PRO Green RC2		●		●		
ST PRO Green RC3		●		●		
ST FLEX	●	●	●	●		
ST FLEX Green	●	●	●	●		
ST FLEX Secure						
ST PURE	●	●	●	●		
ST MANET	●	●	●	●		
TST FLEX					●	●
TST FLEX Green					●	●
SST FLEX						
FFT FLEX Green						
Special doors (e.g. hospital)						

*The actual system dimensions that can be implemented (especially the passage width LW and passage height LH) depend on the glass type, door leaf weight and format, wind load conditions in the building and the door leaf guidance. Further technical information is available in the specific product brochures, which are available for download at www.dormakaba.com.



		ES 200				ES 400	
ES 250 PRO T FST	ES 400 PRO T FST	ES 200	ES 200-2D	ES 200 T	ES 200 T-2D	ES 410	ES 420
		1 x 200 kg	1 x 150 kg			1 x 200 kg	
			●				
		●				●	
		2 x 160 kg	2 x 130 kg				2 x 125 kg
		●					●
			●				
2 x 65 kg	2 x 100 kg			2 x 75 kg	2 x 75 kg		
●	●			●			
					●		
4 x 65 kg	4 x 100 kg			4 x 75 kg	4 x 65 kg		
●	●			●	●		
		●	●				
●	●						
●	●						
		●	●				
		●	●				
						●	●



Sliding door operators

ES PROLINE



ES PROLINE is the new generation of sliding door operators. A modern, durable and energy-efficient system for nearly all requirements in the area of automatic sliding doors. Thanks to the sensors integrated into the cover, ES PROLINE also meets the requirements on design for use in modern buildings.

Simply convincing:

- Door-leaf weights up to 400 kg can be implemented without problems
- Tested and certified for 1.5 million operating cycles (50% longer service life)
- Especially energy-efficient thanks to energy-saving power supply unit
- Integrated communication module enables the reading of status messages and control using a smartphone
- Approved for use in escape and rescue routes
- Can be used for nearly every dormakaba profile system

ES 400



Sliding door operator for hospitals/clinics or flush mounting, single-leaf (ES 410) and double-leaf (ES 420).

Simply convincing:

- Laterally connected drive unit, either right or left
- Tested as per DIN 18650/EN 16005
- Interlock operation with up to three operators possible
- Self-teaching Optional configuration with computer
- Push & go operation



Sliding door operators

CS 80 MAGNEO



Automatic sliding door operator for single-leaf and double-leaf interior doors.

Simply convincing:

- Dimensions: 62/75 mm height, 60 mm depth
- Max. leaf weight of 80 kg
- Easy installation and commissioning
- Tested as per DIN 18650/EN 16005
- Optimal barrier-free opening convenience
- Adjustable speeds and hold-open times



ES PROLINE with the automatic sliding door ST PRO Green



Automatic curved sliding door

BST/FBST



With dormakaba curved sliding door systems, entrance areas can be interestingly and individually designed: curved half-circles, full-circles, ovals, double-segments – so much is possible. With max. leaf weights of 130 kg each with the BST variant or max. 110 kg with the FBST escape and rescue route variant, access widths from 1,000 to 2,500 mm can be implemented. Thanks to their design variety and great variability, curved sliding doors offer an abundance of design options.

Simply convincing:

- Versatile in use
- High opening convenience
- Large selection of modular components and operation modes
- Adjustable speeds
- Optionally available with escape and rescue route (FBST)
- Type-tested and certified as per DIN 18650/EN 16005

Revolving doors

Thanks to their enclosed design, revolving doors ensure that energy is saved to the maximum extent possible when people enter and leave a building. By eliminating draughts normally associated with opening doors, the interior near the revolving door can be optimally used for reception or seating areas. An optimum flow of visitors and employees is assured as people can pass in and out of the building at the same time.

Simply convincing:

- Wide range of modular components and operating modes
- Two-, three-, and four-wing variants
- Various night closure options (manual or automatic)
- Manual operation with positioning automation
- Servo-assisted or fully automatic revolving doors
- Security revolving doors with individual access control functions





Revolving doors

at a glance



	KTV 3/KTV 4	KTV ATRIUM FLEX	KTC 2
Type	Standard revolving door	Full-glass revolving door	Open-plan revolving door
Inner diameter (mm)	2,000–3,800	2,000–3,000	3,000–5,400
Volume of people/minute²⁾	22–46	22–39	28–58
Operating modes			
Manual	●	●	
Automatic positioning system	●	●	
Servo mode	●	●	
automatic	●	●	●
Number of leaves	3 and 4	3 and 4	2
With integrated sliding door			●
Resistance class	RC 2		
Escape route suitability ³⁾	○		
Glass ceiling		●	
Showcase			○
Person separation system			
Bullet resistant			

● Standard ○ Optional

1) Depending on the number of leaves

2) Depending on the diameter and number of leaves

3) Depending on the locally applicable requirements



Geryon SRD
Security revolving door
1,500-2,500
16–28
●
●
3 and 4
RC 2 and RC 3
○
○
○



Revolving doors

KTV 3/KTV 4

Manual, power-supported or fully automatic revolving doors up to 3.8 m in diameter.

Simply convincing:

- Triple-leaf and quadruple-leaf versions
- Planning reliability thanks to the upgrading options of the operator system
- Direct drive enables high running smoothness and positioning precision
- Versatile equipment options
- Twin-brush system for especially low air exchange and reduced heat loss
- Manual or automatic night closure options with burglary resistance up to class RC 2
- Type-tested and certified as per DIN 18650/EN 16005
- Environmental product declaration (EPD) available
- Shock-Stop: Immediate door locking in case of, e.g., vandalism risk



KTV ATRIUM FLEX

Full-glass revolving doors with direct drive beneath the glass canopy

Simply convincing:

- With three and four door leaves
- No underfloor drive required
- Concealed operator and control technology
- Operation modes: manual, servomatic and automatic positioning control
- Type-tested and certified as per DIN 18650/EN 16005
- Environmental Product Declaration (EPD) available



KTC 2

Double-leaf open-plan revolving doors with integrated automatic ST FLEX sliding door.

Simply convincing:

- High opening convenience
- Adjustable speeds
- from 3.0 m to 5.4 m in diameter
- Maximum possible flexibility thanks to operation either as a revolving door or sliding door as desired
- Integrated night shield
- Integrated automatic sliding door with dormakaba operator system
- Type-tested and certified as per DIN 18650/EN 16005
- Environmental product declaration (EPD) available





Security revolving doors



The Geryon product family includes security revolving doors and security turnstiles. Security revolving doors are suitable for both indoor use and entrances.

Simply convincing:

- People cannot be locked in thanks to the lock limiting point
- Protective sensors as per EN 16005
- IR sensors as standard
- Models with resistance classes RC2 and RC3
- Full-glass systems with floor-integrated drive unit
- Optional night slides
- Optional separation via SRD Vision

Geryon SRD-E01

The system can optionally be supplied with resistance class RC2.

Simply convincing:

- With glass filling, alternatively with metal panelling
- Rigid T40 door-leaf cross
- Customer-specific separation level adjustable using various different sensor technologies



Geryon SRD-C01

The Geryon SRD-C01 security revolving door is covered in metal as standard, but can be supplied with a glass filling. RC3 is standard. Optional bullet-resistant version.

Simply convincing:

- Visible surfaces made of stainless steel
- Optional glazing
- Customer-specific separation level adjustable using various different sensor technologies





Security revolving doors

Geryon SRD-S01



The Geryon SRD-S01 security revolving door is a full-glass system optionally available with resistance class RC2. Especially suitable for representative environments.

Simply convincing:

- With glass filling
- Full-glass system, no metal panelling
- With glass filling and ultra-slim profiles
- Laminated safety glass ceiling
- T25 without centre column or profile, glazing made of TSG
- Single-zone contact mats monitor the blocked segments
- Control unit installed under floor or in floor pit

Geryon STS-S02



Security turnstile for controlled access.

Simply convincing:

- People cannot be locked in thanks to the lock limiting point
- With laminated safety glass 8 filling
- Aluminium sheet dust-tight at top
- Control unit integrated into system
- Two maintenance doors in lower ceiling panel
- Blocking element made of lightweight rectangular metal profiles
- Bars optionally available as stainless steel bent tubes or acrylic glass elements



Personal interlocks

at a glance



Standardanlagen	PIL-S01	PIL-C01	PIL-M01
Structure			
External diameter (mm)	1,020, 1,120, 1,220, 1,320, 1,420, 1,520, 1,620	1,020, 1,220	–
External dimension (mm)	–	–	800 - 2,500
Clear passage width (mm)	520, 580, 650, 710, 780, 840, 910	550, 680	800 - 1,200
Clear passage height (mm)	2,100	2,100	2,100
Upper body part (mm)	200	300	230
Body			
Side screens with glass filling	●	–	●
Side screens with steel substructure with metal panelling	○	●	○
Resistance class / bullet resistance / fire resistance			
RC 2	○	○	○
RC 3	–	○	○
Bullet resistant	–	–	○
EI 30	–	–	○
Indoors			
Standard floor covering	rubber flooring with studded surface	rubber flooring with studded surface	finished floor
Lighting	○	●	○
Surface light scanner	●	●	●
1-zone contact mat	○	●	○
2-zone contact mat	○	○	○
Scales	○	○	○
Optical separation sensor	○	–	○
Exterior door/interior door			
Swing door	–	–	●
Folding wing door	–	–	○
Sliding doors with straight glass	–	–	○
Sliding doors with curved glass	●	●	–
On site	–	–	○

● Standard ○ Optional



The electronically monitored Orthos security interlocks meet the highest security requirements and offer optimal security for the sensitive areas of a building.

The Orthos product family includes all types of personal interlocks, whether round or angular, for individual passage and interlocks with multiple door systems one after another which can only be passed in one direction.

Simply convincing:

- High security thanks to optical sensors or contact
- Additional security thanks to scales installation with weight limit
- Resistance classes RC2 and RC3.
- Optional door leaf and bi-folding doors and automatic locking device
- Optional fire door
- Optional escape route function
- Optional bullet- and burglary-resistance
- Elegant glass systems
- Smooth, low-noise running



Personal interlocks

Orthos PIL-S01

Versatile round personal interlock.

Simply convincing:

- With glass filling, alternatively with metal panelling
- Interior space with surface lighting button as relaying element
- Includes single-zone contact mat with black rubber coating
- Light curtain for contactless security

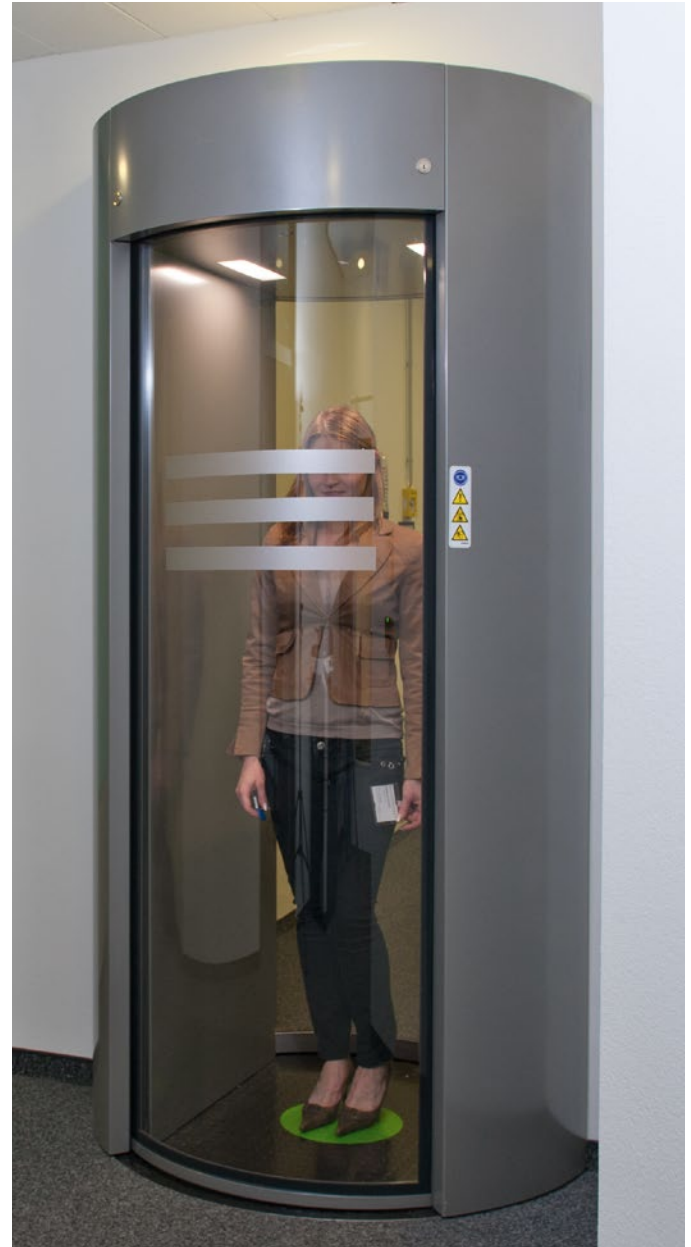


Orthos PIL-C01

Versatile round personnel airlock, with sophisticated weighing technology as an option.

Simply convincing:

- With steel substructure with metal panelling
- Made of lightweight metal profiles with curved glass, profile-level outside
- Accompanying safety bumpers on the main closing edges
- The optionally available scales measure the entire interior of the chamber, including the side walls and doors.





Personal interlocks

Orthos PIL-M01



Versatile cubic personal interlock.

Simply convincing:

- Modular product concept. Doors and side walls can be configured individually.
- Door types freely selectable: swing door, sliding door, folding door.
- Additional sensor systems for detecting people and objects optionally complement the surface light sensor installed as standard.
- The complete control system is integrated into the ceiling.
- Standard installation on finished flooring. With optional accessories, installation is also possible on raw floors or raised floors.
- Certified burglar resistance optionally up to RC3 (EN 1627).
- Optional bullet-resistant door in FB4 (EN 1522).

Orthos PIL-M02

Ensures secure access in case of a large number of people in one direction.
The door detects and impedes access attempts in the unauthorised direction.

Simply convincing:

- Detection of objects thrown through (optional)
- High degree of modularity
- No access from above required: control units installed in drum wall
- Sensors not dependent on ambient light
- Open ceiling structure (easy integration into existing smoke detector and sprinkler systems)





Tripod turnstiles



To free up the reception personnel, half-height tripod turnstiles handle access control in entrances to office and administration buildings, industrial plants, banks, government facilities and many sport and recreational facilities. They're fast, reliable and easy to operate.

Simply impressive:

- Retractable bars and automatic resetting
- Modular individual and multiple setup
- Convenient passage thanks to a servo-positioning drive
- Minimal energy consumption thanks to a low-energy operator
- Safe passage thanks to a low-energy operator
- Suitable for setup in the open
- With additional equipment, suitable for setup in escape and emergency routes
- Barrier-free solutions in combination with automatic swing doors with a matching design
- Motorised movement; servo-positioning drive/ two directions electrically controlled



Kerberos TPB-L06
Three-arm double tripod turnstile with housing and stands in a single unit.



Kerberos TPB-E01
Three-arm tripod turnstile with housing and stands in a single unit.



Kerberos TPB-L07
Three-arm tripod turnstile with housing and stand in a single unit.



Kerberos TPB-S03
Three-arm tripod turnstile with housing, stands and flange plate.



Half-height turnstiles



Half-height Charon turnstiles are suitable for sophisticated interior design thanks to a large number of design variants. In representative entrance areas, VIP rooms and when entering executive suites, these stylish turnstiles control visitor and employee flows in combination with swing doors. All systems can be combined with time registration systems and ID card readers, including contactless and biometric systems.

Simply impressive:

- Smooth, low-noise running
- Movement is motorised: servo-positioning drive in two directions, electrically controlled
- Movement is motorised
- Low power consumption
- Elegant, transparent design
- Space-saving, even with multiple setup
- Convenient passage thanks to a servo-positioning drive
- Barrier-free solutions with automatic swing doors with a corresponding design
- Swing doors suitable for setup in escape and emergency routes
- Design variety for glass leaves, guiding elements and push bars
- Height can be adjusted up to 1,200 mm upon request



Charon HTS-E01

Turnstile with three stainless steel bent-tube blocking elements.



Charon HTS-E03

Turnstile with three high glass elements and stainless steel push bars.



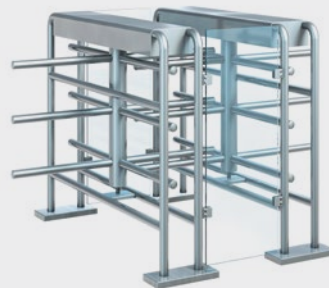
Charon HTS-M01

Turnstile with swing door, high glass elements and stainless steel push bars. Turnstile with 180° turn cycle for person separation and transport opening as soon as the turnstile and swing door are opened together at 90°.



Charon HTS-L01

Turnstile with three rod-shaped stainless steel blocking bars each, blocking element made of stainless steel sheeting with posts for security against unauthorised passage in the blocked segment.



Charon HTS-L02

Double-turnstile with three rod-shaped blocking bars each, three each made of stainless steel.



Turnstiles



Versatility

The Kentaur product family is designed to be modular. Double-leaf, triple-leaf and quadruple-leaf systems with bars or bent tubes can be combined with one another. Variants with a bicycle door, integrated door, escape route function and resistance class RC2 are available. The roofs fit on all single systems, multiple systems and space-saving double systems.

Simply impressive:

- People cannot be locked in thanks to the lock limiting point
- Versions available with an integrated bicycle door, swing door for barrier-free access or material transport
- Turnstile column and bars made of robust stainless steel
- Rotation speed adjusts to the person
- Low-energy operator
- Behaviour in the event of a power failure can be freely selected
- Can be used in areas with aggressive environmental influences
- Integrated, configurable random generator
- Second identification for additional security possible
- Spacing at the shearing edges is dimensioned in such a way that there is no risk of injury
- Suitable for max. snow load of 4.28 kN/m², which is snow-load zone 3 as per DIN EN 1991-1-3
- Suitable for max. wind load of 108 km/h, which is wind-load zone 4 as per DIN EN 1991-1-4



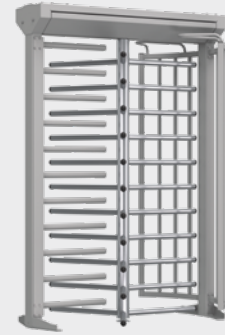
Kentaur FTS-E01

Turnstile separation segment: 180°, each with rod-shaped stainless steel blocking bars, shiny.



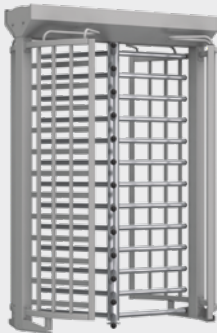
Kentaur FTS-L04

Turnstile separation segment: 90°, each with rod-shaped stainless steel blocking bars, shiny.



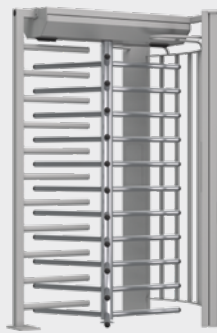
Kentaur FTS-E02

Turnstile separation segment: 120°, each with rod-shaped stainless steel blocking bars, shiny.



Kentaur FTS-E04

Turnstile separation element, resistance class RC2: 120°, with rod-shaped blocking bars made of stainless steel, shiny, with bent blocking tubes made of steel.



Kentaur FTS-E05

Turnstile separation segment: 120°, each with rod-shaped steel blocking bars, stainless steel, shiny.



Turnstiles





Kentaur FTS-E06

Double-turnstile separation segments: 120°, each with rod-shaped stainless steel blocking bars, shiny. Minimal space required thanks to meshing door-leaf crosses.



Kentaur FTS-M01

Turnstile separation segment: 120°, with rod-shaped stainless steel blocking bars, shiny. Automatic bicycle door, half-height.



Kentaur FTS-M05

Turnstile separation segment: 180°, with rod-shaped stainless steel blocking bars, shiny. Integrated swing door with rod-shaped blocking bars and a circumferential frame. With steel filler bars. The system features an optional escape route function.



Kentaur FTS-L01

Double-turnstile separation segments: 90°, with rod-shaped stainless steel blocking bars, steel centre section and stainless steel panelling at the front sides, satin finish, minimal space required thanks to meshing door-leaf crosses.



Kentaur FGE-M01

Swing door with rod-shaped stainless steel blocking bars, shiny, for barrier-free person passage and material transport.



Sensor barriers

Argus 40

The compact model has everything an elegant sensor interlock needs.

Simply convincing:

- With a length of just 1,200 mm, this interlock is also suitable for tight installation situations
- Impresses with its high-quality materials and functional basic configuration
- Optionally, panels can close the open body in the centre of the profile
- A compact sensor interlock with a puristic look



Argus 60

The interlock becomes a real highlight in the foyer. The 1,650-mm-long variant of the sensor interlock offers more options than the Argus 40.

Simply convincing:

- Increase in the security level
- Additional sensor via strip running vertically to horizontal protection sensor strip
- Light strip on handrail
- Ambient downlights
- Highly transparent door leaves
- Optionally, the door leaves can be elevated in comparison to the standard variant



Argus 80

A consistently high-quality design: The interlock has an especially solid and stylish appearance, as the upper part and the vertical frame parts are seamlessly formed as one piece (full-cast layer) on the front and back. The shimmering metal has the effect of an "endless" handrail here. The full-cast layer extends the interlock by only 1 cm.

Simply convincing:

- Extensive colour combinations
- Chase
- Ambient downlights
- Can be customised
- Highly transparent door leaves
- Optionally, the door leaves can be elevated in comparison to the standard variant



Argus V60

With a housing depth of only 240 mm, the Argus V60 is a full-performance sensor interlock ideal for use where space is limited. The reader units can be installed the same way as other versions of the Argus product range.

Simply convincing:

- Sophisticated, elegant design
- Compact design for minimal space requirements
- Available in many material and colour combinations
- High level of security and user acceptance





Sensor barriers

Argus Air airport solution



The Argus Air eGates from dormakaba enable a secure, smooth and reliable process for access to the secure areas of an airport. The sensors only permit access to authorised persons, thus enabling reliable person separation and automated passenger procedures while ensuring high security.

Simply convincing:

- Comprehensive access control solution for gates, boarding and lounges
- Quick passenger flow into the access areas without waiting
- Controlled access for authorised passengers
- Frees up the security personnel, who can then dedicate themselves to other tasks
- Easy integration into the existing airport infrastructure
- Maximum security thanks to the optional integration of modern biometric systems
- Low failure-detection rate despite different sizes and shapes of carry-on luggage



PASSPORT CONTROL



DEPARTURE





For a smooth passenger flow

Argus Air Security

The „self-guided journey“ begins as soon as you enter the security area. Argus Air Security ensures maximum security with a fast flow of people.

Simply impressive:

- Access for authorized passengers only
- Carried luggage and trolleys are reliably distinguished from people
- Compatible with all standard document readers (2D barcode scanners, ID document readers, etc.)
- Optional printer



Argus Air Security und Boarding sind äußerlich baugleich und beide mit und ohne Pods verfügbar. Sie unterscheiden sich in den Optionen

Argus Air Boarding

With seamless control, automated self-boarding provides additional safety at the gate and more convenience for passengers.

Simply impressive:

- Secure and fast identification for national and international flights thanks to biometrics
- Priority and zone access- Same gate usable for exit as well
- Reduced workload for staff, more time for passengers with special needs
- Easy Load printer: extremely fast and simple paper roll replacement



Argus Air Lounge

Business lounge guests expect exclusivity and first-class service, with easy, fast access.

Simply impressive:

- Exclusive lounge access for authorised persons only
- User-friendly bidirectional functionality
- Multiple release so guests can be brought in easily
- Identity verification with biometrics
- Increased staff efficiency and improved customer experience (please note this is one bullet point only, not two)
- For reliable and secure identification of VIP guests
- Elegant, inviting design



Argus Air Interlock

The border crossing is effortlessly automated. With extended door wings for maximum security and various add-ons such as facial recognition and signaling systems, the Argus Air Interlock sets new standards.

Simply impressive:

- All-in-one facial recognition system
- Flexible integration of third-party hardware and software
- Compatibility with all common barcode, NFC, RFID, and ID document readers
- Configurable lock interiors and system lengths in various sizes
- Complete separation of drive and locking forces for enhanced security
- Easy service access thanks to optimal component arrangement





Swing doors

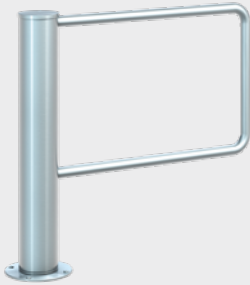


The swing doors are designed similarly as the half-height access systems from dormakaba. They ideally supplement the access systems, making them suitable for material transport or barrier-free access.

All automatic swing doors can be connected to access control systems.

Simply impressive:

- Adaptable design
- Transparent and ultra-slim elements made of stainless steel and glass
- Ideal supplement for tripod turnstiles, half-height turnstiles, sensor interlocks, goods transport and barrier-free access
- Convenient passage thanks to a servo-drive
- Smooth, silent running
- System opens even under load
- System locks in every position
- Separation of drive and locking forces
- Minimal energy consumption
- Suitable for use in escape and rescue routes
- Easy installation to finished floors



Charon HSD-E01

Half-height swing door with rectangular blocking element



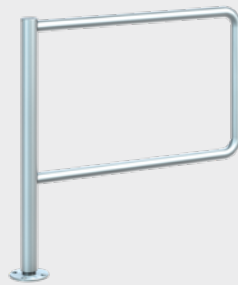
Charon HSD-E03

Half-height swing door with glass element, TSG, 10 mm top edge, 900 mm door leaf



Charon HSD-E06

Half-height swing door with glass element, TSG, 10 mm top edge, max. 1,800 mm door leaf



Charon HSD-L01

Manual half-height swing door with rectangular blocking element



Charon HSD-L06

Half-height swing door with transparent polycarbonate; wall mounting



Charon HSD-L07

Manual half-height swing door with rectangular blocking element, including door closer and anti-prying protection for strike latch



Pedestrian guiding bars

PGB

Simply impressive:

- Available with or without glass filling
- Easy installation to finished floors
- Suitable for outside setup
- Made of AISI 304 stainless steel, satin finish
- Optionally available with knee rail or knee rail with TSG glass filling



Reader posts

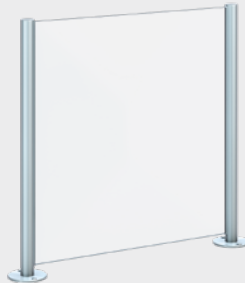
CRP

Simply impressive:

- Prepared for on-site installation of a LEGIC LA-PP antenna and a dormakaba AM control unit
- Can be adapted to different reader systems
- Presence detection for unreadable cards
- Easy installation to finished floors
- Weather protection hood for outside setup (CRP-M02, CRP-M03)
- Made of AISI 304 stainless steel


PGB-E01

Pedestrian guiding bars


PGB-S01

Pedestrian guiding bars as variable full-glass barrier system with two end posts


PGB-10

Guiding rails as a flexible barrier system. Designed in shape and finish to match the Argus models 40, 60, 80, V60.


CRP-E01

Reader post with aluminium spacer, 80 mm x 35 mm, in RAL 9006, with cable hole for on-site reader panel (surface mounting)


CRP-E03

Post with removable inspection opening for installation of on-site components, max. installation dimensions 170 mm x 140 mm x 150 mm (H x W x D)


CRP-C01

Reader post with angled head (30°). Installed components are to be checked in each individual case


CRP-M01

Reader post for the control and return of ID cards with protective sleeve and clip holder. Integrated card return tray, signal system and lockable collecting container


CRP-M02

Reader post for the control and return of ID cards with protective sleeve and clip holder. Integrated card return tray, signal system and lockable collecting container


CRP-M03

Reader post for the control and return of ID cards with protective sleeve and clip holder. Integrated card return tray, signal system and lockable collecting container. At car and lorry height



System components and accessories for entrance systems

Push buttons and switches

Mechanical activators

Simply convincing:

- Manual activation for opening a door
- Large-sized push buttons also enable activation with an elbow
- Stainless steel push buttons are suitable in cases of special hygiene requirements



Program switch

Program switch

Simply convincing:

- Controlling up to five different functions of the automatic door: off, automatic, exit only (shop closing), partial open (winter opening), permanently open
- Actuation can occur mechanically with a thumbturn or key or electronically with a push button



LED touch key

Activator, electronic with optical feedback

Simply impressive:

- Effortless operation by touching the surface
- Visual feedback
- Glass version for use in hygienic areas
- Water-proof and impact-resistant



MotionIQ door control system

Latest sensor technology combined with high-performance MotionIQ controller. For personalized control of automatic door systems based on user movement.

Simply convincing:

- Detects the movement vector of individuals and calculates the ideal opening point and customized hold-open time
- Reduced loss of heating/cooling energy through minimized door opening times
- Enhanced user safety and extended service life of the door system





Radar motion detectors

Activators for contactless opening

Simply convincing:

- Activation occurs without contact and without being known
- Creation of barrier-free access points



Safety curtain

Contactless safeguarding of the door-leaf movement of automatic sliding and special doors

Simply convincing:

- Monitors opening. Should a person remain in the detection area, opening is stopped
- Invisible infrared light curtain
- Reflection evaluation
- Automatic learning of ambient conditions



Combination sensor (security and radar activation)

Combination unit for activation by a radar motion sensor and securing of the door-leaf movement. Especially suitable for automatic sliding and special doors

Simply convincing:

- Security against unauthorised use via a number code or additional push button (electronic variants)
- Additional error indication of the program switches for sliding doors in escape and rescue routes

Laser scanner and infrared sensor strips

Safety sensors

Simply convincing:

- Securing of the access area
- Securing of the main closing edge
- Protection of the secondary closing edge (consider remaining risk)
- For automatic single-action doors as per DIN 18650/EN 16005





Access Control Solutions

Managing escape routes, access rights, working hours, stays and check-outs has never been easier, thanks to the seamless interaction of our electronic door components with intelligent software solutions.



Access Control Solutions

Know what's happening in day-to-day operations: who, what, where and when.

Managing stays, check-outs, access control, and time tracking requires a smart, integrated concept. With built-in electronics and digital network connectivity, both small and large businesses, as well as private households, gain new opportunities. Time-specific management of access rights — from the underground garage to the top floor — is clear and secure in every detail. In addition to individual access control, our escape and emergency route systems enhance building security, protecting both lives and property.

Electronic Access & Data



Electronic cylinder

Modern, standalone cylinders can easily be reprogrammed in the blink of an eye.



Electronic door locks

Keyless access with RFID access card or smartphone app. Unified design.



Access readers and peripherals

Efficient readers and controllers at every access point, indoors and outdoors.



Access media and credentials

Gain access digitally with a smart key, access card, transponder, or smartphone.



Access control for large companies

Precisely configurable modules for efficient organisation and greater security.



Solutions for ERP systems

Easy integration of time registration and access control into your ERP system.



Access control for small and medium-sized companies

Comprehensive access management, economical for any company size.



Access control for micro-companies and private living

Control all access rights via smartphone and app.



Time registration

Intuitive operating elements for time registration, access control and employee communication.



Time and attendance

Intelligent management of machine utilisation and stock, quality and service data.



Interface solutions for third-party systems

Easy integration, registration and evaluation of dormakaba terminals into partner systems.



Technology and functional principles

Security concepts based on RFID, biometrics or smartphone apps.

Emergency Exit and Escape Route Systems



SafeRoute

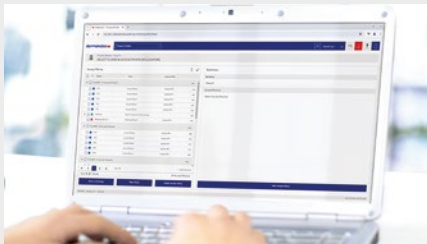
Secure door management in one system. Easy opening in an emergency, protection against misuse on a day-to-day basis.



Electric strikes

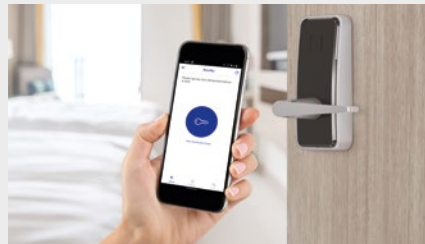
Electronically controlled strikes unlock doors depending on the situation. Universal technology for upgrading.

Lodging Systems



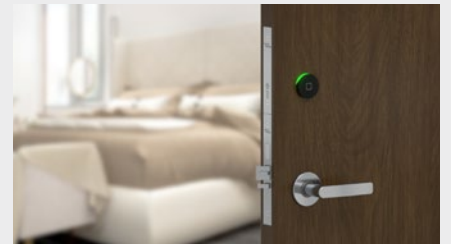
Access control systems

Our locking systems are supported by reliable access management solutions, enabling the creation of a wide range of authorization profiles for both guests and employees.



Mobile Access solutions

Easy guest and employee access with a smartphone. Based on our highly secure LEGIC platform for creating secure digital keys.



Electronic hotel locks

dormakaba offers a wide range of scalable access solutions for various types of hotels – from individual door locks to wireless-operated online systems and interfaces for smart room and energy management systems.



Outside access

Access control with an external reader, for lifts, car park access points and electronically controlled doors.



Electronic cylinders and door locks

at a glance

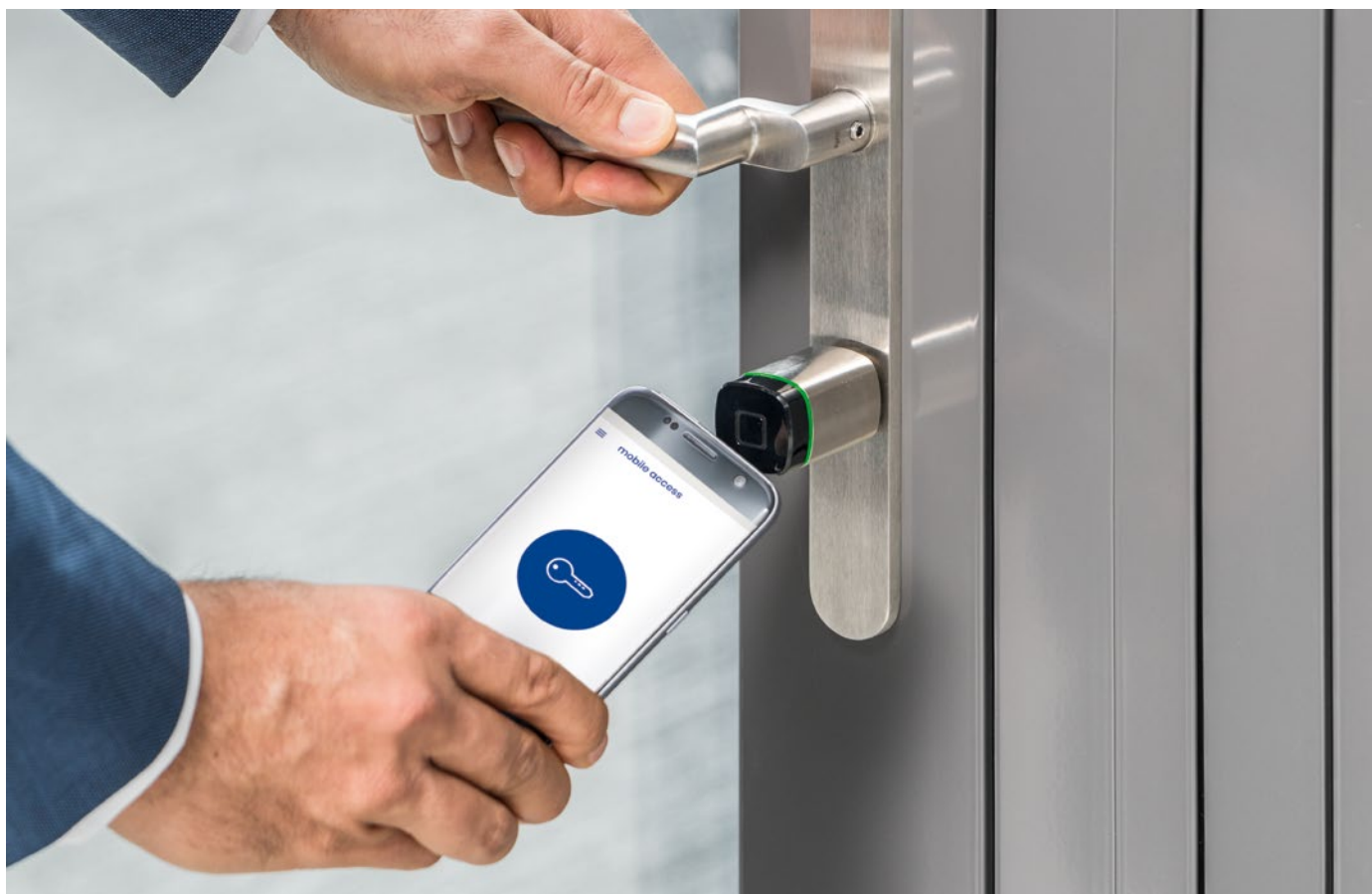
	Digital cylinder	Mechatronic cylinder	c-lever pro	c-lever compact	locker lock 21 20	cabinet lock 21 10
Supported technologies and standards						
LEGIC advant, ISO 14443A	●	●	●	●	●	●
MIFARE® DESFire®, ISO 14443A	●	●	●	●	●	●
OSS-SO Version 2021-06: LEGIC advant, MIFARE® DESFire®	●	●	●	●	●	●
Near Field Communication (NFC)	●	–	●	●	●	●
Bluetooth®	●	–	●	●	–	–
Power supply						
Battery	●	●	●	●	●	●
External power supply (optional)	–	● (faceplate version)	●	–	–	–
Service life of battery: door cycles (use at 20 °C)	Up to 70,000 cycles or 2 years	Faceplate version: Up to 140,000 cycles or 3 years Compact and surface fixed version: Up to 40,000 cycles or 2 years	Up to 150,000 cycles or 3 years	Up to 60,000 cycles or 3 years	Up to 80,000 cycles or 10 years	Up to 50,000 cycles or 5 years
Functions and options						
CardLink	●	●	●	●	●	●
Mobile Access	●	–	●	●	–	–
Wireless	●	●	●	●	–	–
Wireless + door monitoring	–	● (faceplate version)	●	–	–	–
TouchGo	–	–	●	–	–	–
Lever handle/knob models	–	–	13	4	–	–
Design awards	●	●	●	–	–	–
Surface finishes and colours						
Nickel-plated (stainless steel look)	●	●	●	●	–	–
Polished brass	●	●	On request	–	–	–
Brass, matt	–	●	On request	–	–	–
Black	●	–	On request	–	–	–
Matt chrome-plated	●	●	On request	–	–	–
Bronze look (on request)	●	–	–	–	–	–
Antenna cover, black	●	●	●	●	–	–
Antenna cover, white	●	●	●	●	●	●
Cylinder profiles						
European profile, 17 mm	●	●	●	–	–	–
Swiss round profile, 22 mm	●	●	●	–	–	–
Scandinavian oval	●	●	●	–	–	–
Australian oval	●	–	●	–	–	–
IP class of protection	IP56 (outside)	IP41 IP40 (faceplate version)	IP 55 (outside)	IP 54 (outside)	IP42	IP52

	Digital cylinder	Mechatronic cylinder	c-lever pro	c-lever compact	locker lock 21 20	cabinet lock 21 10
Certifications						
Lock/cylinder standards	EN 15684	EN 15684	EN 16867 and EN 1906	EN 16867 and EN 1906	DIN 4547-2, class C4547-2, class C	DIN 4547-2, grade C
Fire protection	EN 1634-2: T90	EN 1634-1 to T60	Up to T90	Up to T90	–	–
Burglary resistance	EN 1627: min. RC4	EN 1627: min. RC4	EN 1627: max. RC2	–	–	–
Escape route	EN 179/EN 1125	EN 179/EN 1125	EN 179/EN 1125	EN 179/EN 1125	–	–
Pulling and drilling protection	VdS class BZ+ (optional)	EN 15684	–	–	–	–
CE	●	●	●	●	●	●
Dimensions						
Cylinder length A/B side/ lock dimensions (specifications in mm)	From 25/20, extensions in 5-mm increments, max. cylinder length: 220 mm	From 42/30, extensions in 5-mm increments, max. cylinder length: 202 mm	Wide version: 53.6 x 298 x 21 mm Narrow version: 39.8 x 298 x 21 mm	54.7 x 122.8 x 21.9 mm (L x W x H)	140 x 37.8 x 19.0 mm (L x W x H)	125 x 100 x 25 mm (L x W x H)
Environmental product declaration						
EPD	●	–	●	●	–	–
System compatibility						
exos 9300	●	●	●	●	●	●
MATRIX PRO	●	●	●	●	●	●
MATRIXaaS	●	●	●	●	●	●
exivo	●	●	●	●	–	–
MATRIX ONE	●	●	●	●	●	●
evolo Manager (KEM)	●	●	●	●	●	●
evolo smart	●	–	●	●	–	–
resivo	●	●	●	●	–	–
Application						
Furniture	●	●	–	–	●	●
Private living	●	●	●	●	–	–
Micro-companies	●	●	●	●	–	–
Small and medium-sized companies	●	●	●	●	●	●
Large companies	●	●	●	●	●	●
Note:	Subject to change. The scope of this product's functions depends on the system environment selected. You can find further details and order information in the relevant dormakaba ACS catalogue or in the relevant system description.					



Electronic cylinders

dormakaba digital cylinders



The dormakaba digital cylinder enables easy programming as well as room- and time-specific access control. It supports cutting-edge technologies such as RFID, NFC, and Bluetooth®. The modular design with removable knobs enables extraordinarily easy installation. In addition to the standard version, the product portfolio includes dual, half- and anti-panic cylinders.

Simply convincing:

- Suitable for any door, indoors or in a weather-protected outdoor area
- Electronics operate reliably, even at extreme temperatures
- Suitable for fire doors
- Increased drilling protection for greater security
- Available in Euro profile 17 mm, Swiss round profile, oval profile and ANSI
- With black or white front
- Cylinder surface finishes of Inox look, polished brass, matt chrome-plated and black available
- Modular construction – length can be adapted on site
- Supports the Mobile Access function – users can gain access permissions on their smartphones using the dormakaba app



Mechatronic cylinders



This cylinder range combines robust mechanical elements with smart electronics to offer full access control, seamlessly blending in to existing mechanical locking systems. Suitable for both exterior or interior doors. The dormakaba smart key, featuring an RFID chip, is capable of opening both mechanical doors and those equipped with a mechatronic cylinder.

Simply convincing:

- Flexible access system: complete or partial transition from mechanical cylinder to electronic access control possible
- Unique range: a broad and dynamic spectrum of award-winning access components
- Available in a variety of profile variants, such as Euro profile, Swiss round profile and Scandinavian oval profile
- Plastic cap available in black and white
- Wireless solution networks the mechatronic cylinders with the access solution, enabling convenient programming from your desk





Electronic door locks

dormakaba c-lever pro

Electronic door lock solutions for scalable access control on exterior doors or doors requiring enhanced security. Easy, flexible control of access rights, either in standalone, wireless or online operation. High-quality materials meet the highest demands in terms of durability, weather resistance and security. Supports cutting-edge technologies such as RFID, NFC, and Bluetooth®.

Simply convincing:

- For inside or weather-protected outside areas
- Suitable for doors made of wood, plastic or metal
- Solutions for burglary and fire protection as well as escape and rescue routes
- Versatile operating variants: standalone, wireless and online
- Access either with card, key fob, key with RFID or smartphone
- Supports Mobile Access – users receive access rights on their smartphones using the dormakaba app
- TouchGo function: hands free; the transponder stays in the pocket
- Suitable for use on escape route doors as per the requirements of DIN EN 179 using certified lever handles and locks



dormakaba c-lever compact

Electronic door furniture solution for indoor use in office, administrative, or retail areas. Access rights can be easily and flexibly managed – either in standalone or wireless operation. Upon presenting a valid access medium, the green light illuminates, and the door can be opened by pressing the lever. Supports the latest technologies, such as RFID, NFC, and Bluetooth®.

Simply convincing:

- Independent of the lock and cylinder
- Easy, wireless installation – even in reversed position
- Versatile operating variants: Standalone, wireless or online with RFID or smartphone
- Supports the Mobile Access function – the door can be opened with a smartphone
- Suitable for use in escape route doors as per the requirements of DIN EN 179 using certified device combinations
- Ideal for retrofitting, as wiring isn't needed thanks to the use of batteries integrated into the housing
- Universally compatible and award-winning products with one-of-a-kind component variety, such as readers, digital and mechatronic cylinders and more
- Efficient solution for interior doors – wood, metal, and even glass





Electronic furniture locks

dormakaba locker lock 21 20

No more complicated key management. The locker lock 21 20 secures important documents, small devices, or personal items in wardrobe lockers. It allows for flexible, efficient management, all conveniently controlled from a central workstation. The lock can be easily opened using the RFID card with a simple push-to-open mechanism.



Simply convincing:

- Easy transition to modern RFID technology – the locker lock is quickly installed and can effortlessly replace traditional mechanical locker locks
- Intuitive operation – easy opening with the push-to-open mechanism using the RFID card
- Efficiency and security – you have an overview of all locker access with electronic access control
- Long battery life – 80,000 cycles or up to 10 years
- Compatible with other dormakaba products – so users can access buildings, rooms, and lockers with one single access medium
- Slim design – integrates seamlessly, making it ideal for lockers in universities, schools, and offices

dormakaba cabinet lock 21 10



Electronic lock solution for clothes cabinets, lockers and furniture. Secure access to important documents, valuables and materials using electronic access control. After presenting a valid access medium at the cabinet door, the door opens automatically.

Simply convincing:

- Lock is mounted inside the cabinet – no control element to interfere with the design of the furniture door
- Integratable – seamless integration into the system environment with digital cylinders, electronic door locks, readers and mechatronic cylinders
- Easy programming – for permanent or temporary access
- Long-life battery – at least five years of operation
- Alarm in the event of attempted break-in
- Slim design – fits many different types of office furniture and drawers
- Diverse areas of application: clothes closets or material storage cabinets, safety deposit/post boxes, office furniture, medicine cabinets and patient lockers



Card readers and peripherals

Registration units

at a glance



	Registration unit 90 00	Registration unit 90 01	Registration unit 90 02	Registration unit 90 03	Registration unit 90 04
reader					
PIN keyboard	–	–	●	–	–
MRD (LEGIC advant, MIFARE® DESFire®)	●	●	●	●	●
Near Field Communication (NFC)	●	●	●	●	●
Bluetooth® Low Energy (BLE)	–	●	–	–	–
Interfaces					
Coaxial connection	●	●	●	●	●
Design/installation					
Surface-mounted cable feed	–	●	●	–	●
Flush-mounted cable feed	●	●	●	●	●
Door frame installation	–	–	–	●	●
IP class of protection	IP20	IP40/IP54	IP40/IP54	IP40/IP54	IP66
Certifications					
CE	●	●	●	●	●
FCC	●	●	●	●	●
UL 60950	●	●	●	●	●





Card readers and peripherals

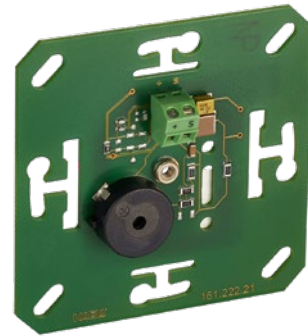
Registration units

dormakaba registration unit 90 00

The unit can be installed in custom or on-site housings. The component fits into many European switch covers (e.g. Jung, Gira, Merten and Feller). We offer customised installation types for Siedle.

Simply convincing:

- Together with dormakaba control units and remote readers, forms a secure access solution with convenient identification of the user
- Freedom of selection for the appearance (designer housings or on-site provided housings) and read/write properties
- Installation inside and outside

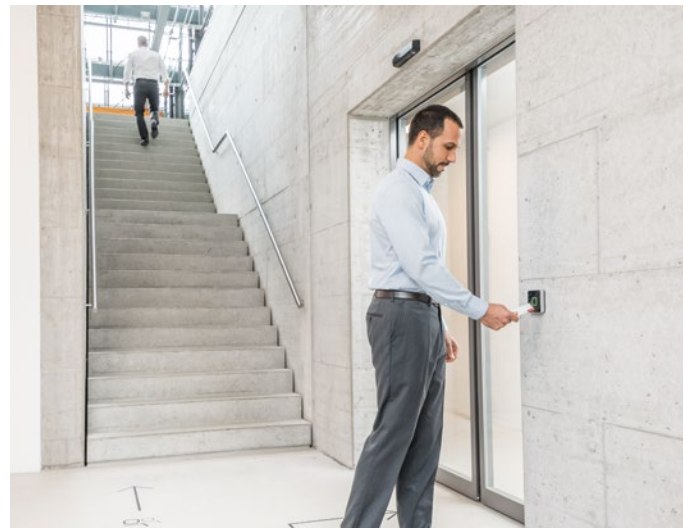


dormakaba registration unit 90 01

The unit secures and controls access to buildings and rooms together with the control units and remote readers, where it's installed separately from the control unit.

Simply convincing:

- Encrypted communication
- Central light symbol and acoustic signal notify the visitor of the access decision
- Supports latest RFID standards like MIFARE® DESFire® and LEGIC advant
- Reader offers the Mobile Access function via Bluetooth® Low Energy
- Contemporary, award-winning design with high gloss
- Scratch-proof glass surface
- Available in black or white



dormakaba registration unit 90 02



dormakaba registration unit 90 02 with wear-free PIN keypad for access points with increased security requirements can be used indoors or in protected outdoor areas. PIN keypad operation is supported by "Guide by Light".

Simply convincing:

- Secure access solution with PIN keypad
- Integrated tamper switch
- Works with Online, CardLink and Access-on-Card modes
- Suitable for retrofits, existing wiring can be used
- Award-winning, elegant, featuring scratchproof glass surface





Card readers and peripherals

Registration units

dormakaba registration unit 90 03

The registration unit 90 03 is slim, small and suitable for direct installation on door frames and fittings.

Simply convincing:

- Extremely slim dimensions for installation to door profiles or fittings
- Supports latest RFID standards like MIFARE® DESFire® and LEGIC advant
- Surface mounting, even on metal



dormakaba registration unit 90 04

The dormakaba registration unit 90 04 stands out due to its slim, compact design. It can be directly installed on metal, wooden or plastic door frames. Watertight and weather-resistant, the device is also well suited for outdoor use.

Simply convincing:

- Fits on the smallest areas, direct integration into the door frame
- Water-proof and weather-resistant
- Easy to install – cable can easily be laid in the door frame, the cable outlet is encapsulated
- Award-winning, elegant, featuring scratchproof glass surface



Wireless gateway

dormakaba wireless gateway 90 40

The wireless gateway 90 40 connects door components to the access system. It wirelessly transmits new access permissions to the doors. The data is secured using state-of-the-art encryption technology. Cable-free door components are seamlessly integrated into the access system this way.

Simply convincing:

- High security – wireless communication is encrypted with AES
- Convenient programming from your desk – door and status information are displayed automatically
- Easy installation – thanks to PoE (Power-over-Ethernet), the gateway doesn't need an additional power supply
- Expandable – the range between the gateway and door components can be enlarged using up to eight wireless extenders





Card readers and peripherals

Compact and remote readers

at a glance



	Compact reader 91 04	Compact reader 91 10	Compact reader 91 12	Remote reader 91 15	Remote reader 91 25	Terminal 96 00 – functional type 91 20
Reader						
MRD (Multi RFID device)	●	●	●	●	●	●
Mobile Access (NFC)	●	●	●	●	●	●
Mobile Access Bluetooth® Low Energy	●	–	●	–	–	●
Interfaces						
RS-485	●	●	●	●	●	–
Coaxial connection for registration unit	–	–	–	1	2	–
Ethernet	–	–	–	–	–	●
Digital IOs						
Number of inputs	2	2	2	2	4	4 ¹
Number of relay outputs	1	1	1	1	3	2 ¹
Input for tamper switch	–	–	1	–	1	1
Power supply						
10–34 V DC	●	●	●	●	●	–
Power-over-Ethernet (PoE)	–	–	–	–	–	●
Design/installation						
Surface-mounted cable feed	●	●	●	–	–	●
Flush-mounted cable feed	●	●	●	–	–	●
Top hat rail mounting	–	–	–	●	●	–
IP class of protection	IP54/66	IP40/54	IP66	IP20	IP20	IP30/54/65
Certifications						
CE	●	●	●	●	●	●
FCC	●	●	●	●	●	●
UL 60950	●	●	●	●	●	–
UL 294	●	●	●	–	–	–
UL 62368-1	–	–	–	–	–	●

¹ Only in combination with the options for the add-on I/O or the separate I/Os for the 9600-K6

Compact readers

dormakaba compact reader 91 04



The slim access reader integrates smoothly into any building structure. Hold a card, keyring or RFID key to the reader and enter – the reader signals authorisation both visually and audibly. The slim design enables installation directly to metal, wood and plastic door frames.

Simply convincing:

- For door frame installation as an organisation reader or access reader in combination with access control in protected areas
- Water-proof and weather-resistant
- Supports RFID standards like MIFARE® DESFire® and LEGIC advant
- Works with Online, Mobile Access, CardLink, Access-on-Card, Wireless and Standalone modes
- Available with integrated Bluetooth® for Mobile Access
- Easy and quick installation with quickwire technology
- Contemporary, slim and robust design
- Available in black or white





Card readers and peripherals

Compact reader

dormakaba compact reader 91 10

Compact readers can be used universally in all access solutions. Used with a control unit, the readers are always online and ensure increased security. They're especially well-suited for access within an organisation. Users identify themselves in a contactless manner using their RFID card on the compact reader. The reader checks and interprets the acquired data and then makes a decision regarding access.

Simply convincing:

- Wall mounting
- Central light symbol and audible signal notify the visitor of the access decision
- Supports RFID standards like MIFARE® DESFire® and LEGIC advant
- Easy and quick installation with quickwire technology
- Contemporary, award-winning design with high gloss
- Available in black or white



dormakaba compact reader 91 12

Compact reader 91 12 is suitable for access points at which PIN verification is also required for security reasons.

Simply convincing:

- Wall mounting
- Central light symbol and audible signal notify the visitor of the access decision
- Supports RFID standards like MIFARE® DESFire® and LEGIC advant
- Reader offers the Mobile Access function via Bluetooth® Low Energy
- Easy and quick installation with quickwire technology
- Contemporary, award-winning design with high gloss
- Available in black or white



Remote reader

dormakaba remote reader 91 15

Remote reader 91 15 is intended for single access points and offers the advantage that the registration unit and door control are separate. This means it's suitable for installation in protected inside areas to control an access point which is located in an unprotected outdoor area.

Simply convincing:

- Tamper-proof – installation in the protected interior
- Absolute design freedom thanks to the option to choose the registration unit
- Works with dormakaba Online, CardLink, Access-on-Card and Standalone modes
- Expandable, as combination with various different dormakaba access systems is possible
- Use: exterior doors and gates, automatic doors, lifts, garage doors, parking barriers, entrance areas, motorised locks



dormakaba remote reader 91 25

Remote reader 91 25 is a powerful access control unit suitable for sophisticated access points where a high level of security is required. It monitors access points of a wide variety of different types.

Simply convincing:

- Variety of functions – comprehensive door control units possible (on/off configuration)
- Flexibly expandable – the number of inputs and outputs can be increased using dormakaba extension modules 90 30 and 90 31
- Tamper-proof – remote reader is installed in the secure interior
- Turnstiles, personal interlocks, exterior doors and gates, automatic doors, lifts, parking barriers, entrance areas, motorised locks





Card readers and peripherals

Access control units

at a glance



	Access manager 92 00	Access manager 92 30	Access manager 92 90
reader			
Integrated reader based on multi-RFID device	2	2	–
Total number of possible readers per access manager	Up to 15 KCP readers/ up to 16 subterminals	2	16
Mobile Access	●	●	●
Interfaces			
RS485 party line	●	●	●
RS232 for peripheral components	2	1	1
Coaxial connections for registration units	2	2	–
Digital IOs			
Number of inputs (monitored)	4 (4)	4 (4) + tamper switch	18 (16) + tamper switch
Number of relay outputs	3	3	16
Hardware options			
Upgradable with additional I/O modules	●	–	–
Passive RS485 interface	●	●	●
Active RS485 interface	–	–	●
Software options			
Memory option 2,000/8,000	●	●	●
Memory option 10,000/40,000	●	●	●
Memory option 50,000/100,000	●	●	●
Memory option 120,000			
AVISO	●	●	●
CardLink/Access-on-Card	●	●	●
Data encryption	●	●	●
Number of readers	2/4/8	2	2/4/8/16
Power supply			
PoE	–	●	–
110/230 V AC	–	–	●
12/24 V DC	● (12/24 V)	● (24 V)	● (24 V)
Design/installation			
	Top hat rail installation	Surface-mounted housing for installation indoors	Wall-mounted housing, rack-mounted housing (19")
Certifications			
UL 294 approval	●	●	●
CE	●	●	●
FCC	●	●	●
UL 60950	●	●	●

Access control units

dormakaba access manager 92 00



The dormakaba access manager 92 00, with its flexible and expandable design, offers extensive installation options. It can be installed locally as a single device near an access point, in electrical cabinets or centrally with extended input/output modules. It manages and controls up to 12 doors, depending on the system solution.

Simply impressive:

- Autonomously using its own decision-making logic and local data storage
- Flexible in use – for access control, door monitoring and activation of alarm systems
- Easy integration into existing systems
- Easy to configure – commissioning and configuration over a web interface





Card readers and peripherals

Access control units

dormakaba access manager 92 30

dormakaba access manager 92 30 is optimised for single access points. Quick and easy installation at each door reduces the installation effort and costs. Power can be supplied entirely via PoE so additional power supply can be avoided.



Simply convincing:

- Minimal wiring work required, modern IT infrastructure can be used
- Efficient installation – quick and easy, no need for an electrician
- Comprehensive door control units – support for all door configurations seen in practice
- Easy integration into existing systems
- Autonomously using its own decision-making logic and local data storage

dormakaba access manager 92 90

A central, efficient control unit for complex access control units. The access manager is available as in-wall as well as IT rack design. It's especially suitable for building situations where a central wiring infrastructure is already available.



Simply convincing:

- Central access control for multiple access points and complex tasks
- Robust wall or rack housing, unambiguous connection concept, connection of up to 16 readers
- Consideration of individual customer requirements (AVISO) and flexible expansion options
- Fast commissioning and easy configuration using an Internet browser



CardLink update terminal

dormakaba terminal 96 05

dormakaba terminal 96 05 is a versatile access terminal. The 5" touch screen supports the user during operation and can also display company messages and personal information. Thanks to its compact design and simple installation concept, the terminal can be superbly integrated into modern architecture.

Simply convincing:

- Supports common RFID readers
- Dust- and watertight as per IP20/IP65 class of protection
- Stable housing and robust glass screen
- Freely configurable user interface (e.g. using your corporate design)
- Network integration and power supply via Power-over-Ethernet (PoE)





Card readers and peripherals

dormakaba desktop reader 91 08



The dormakaba desktop reader 91 08 is used to read and write RFID media in the form of cards, smart keys and key fobs used in time registration and access control. The desktop reader is connected to a computer over its USB port. The device is automatically detected and installed by Windows.

Simply convincing:

- Easy reading and writing of RFID media as per the ISO 15693 and ISO 14443A standards
- Equally suitable for cards, smart keys and key fobs
- Unique person identification
- Transfer of the security key to the system or peripheral components

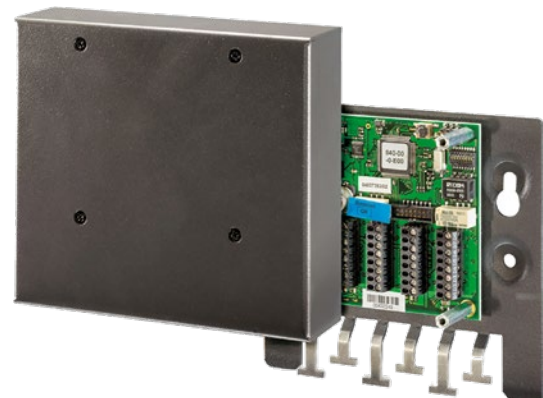


dormakaba interface 90 10

The dormakaba interface 90 10 can be connected to the access control unit. Up to two readers can be integrated into a dormakaba access control system with a Wiegand interface. Additional functions like multiple digital inputs and relays, for door monitoring and control, for example, are available as standard.

Simply convincing:

- Enables the easy integration of third-party hardware into a dormakaba access control system
- Connection of up to two readers, such as Wiegand or magnetic strip readers
- Door monitoring and control as an additional function



dormakaba extension modules 90 30 and 90 31

Extension modules 90 30 and 90 31 are used if more digital inputs or relay outputs are required at the control unit than are available, e.g. for lift control or for window monitoring. Installation is done by simply plugging it in at the control unit. Thanks to monitored inputs, module 90 31 offers increased security.

Simply convincing:

- Versatile in use with various different control units
- Increased security
- Thanks to monitored inputs (90 31), tamper alarms can be generated
- Easy installation
- The number of I/Os is easy to expand thanks to plug-in modules





Access media and credentials

at a glance



Access cards



Key fob



Smart key

	Access cards	Key fob	Smart key
Multi-application/ Technology	• RFID chip	• RFID chip	• RFID chip
Main applications	• Access • Operational data and time registration • Payment • Follow-me printing and copying	• Access • Operational data and time registration • Payment • Follow-me printing and copying	• Access • Operational data and time registration • Payment • Follow-me printing and copying
Unique features	• Custom-printable with colour, logo, personnel number, photo etc.	• Sturdy and robust • Printable with logo, text, number	• Checks electronic authorisation plus mechanical permutation (EU cylinder) • Colour chips for better tracking
Security	• Non-viewable security encryption • Additional combination with PIN code or biometrics possible	• Non-viewable security encryption • Additional combination with PIN code or biometrics possible	• Non-viewable security encryption • Additional combination with PIN code or biometrics possible • Doors can only be opened with the smart key if the RFID chip and key are authorised
In case of loss	• Rights can be withdrawn electronically (no security gap)	• Rights can be withdrawn electronically (no security gap)	• Rights can be withdrawn electronically (no security gap)



TouchGo transponder

Smartphone (Mobile Access)

Mechanical key

- RFID chip
- Resistive Capacitive Identification

- Using the dormakaba Mobile Access app
- Near Field Communication (NFC)
- Bluetooth®

- Permutation

- Mainly at facilities where access must be quick and smooth yet controlled, such as senior residences, care facilities and hospitals

- Access
- Operational data and time registration

- Simple to complex locking systems
- Emergency opening with emergency key function (GF)

- Only needs to be carried, no need to hold it up to the door
- Combination of RFID and RCID

- No physical key handover required
- Mobile Access can be integrated into company apps
- TapGo function

- High level of compatibility within a dormakaba locking plan
- Forward-looking keylink planning method
- Colours as optional orientation aid

- Invisible security encryption
- Additional combination with PIN code or biometrics possible

- End-to-end encryption: the access data themselves are encrypted, so smartphones can't access them
- Smartphone can be protected with a PIN code or fingerprint

- Large number of different cylinder types
- Patented security system
- Copy protection
- High level of security through compliance with relevant standards, such as EN 1303 and DIN 18252
- Encoded drilling patterns – the decoding positions of the tumblers aren't visible on the key

- Rights can be withdrawn electronically (no security gap)

- Rights can be withdrawn electronically (no security gap)

- In case of loss, cylinder must be replaced or rights can be mechanically withdrawn (to prevent gap in security) – see building-phase function



Access media and credentials

Smart key

Whether it's time registration or electronic or mechanical access control, the dormakaba smart key is the key that connects everything. With additional electronic identification, mechanical locking systems are made more secure and ID cards unnecessary. Thanks to its small dimensions, it fits in any pocket.



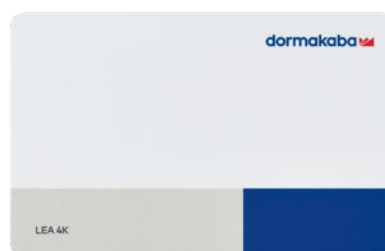
Simply convincing:

- Reduced administrative work through the management of a medium
- Can be integrated into all dormakaba systems, whether they're mechanical, mechatronic or electronic
- Existing clip keys can easily be upgraded or retrofit
- Individual identification of the key clips with easily exchangeable colour markings



Access cards

RFID identification medium with programmable time and room authorisations and a flat, lightweight design.



Key fob

RFID key fobs are available in different shapes and colours. Practical in use, they're easily recognised on a key ring.



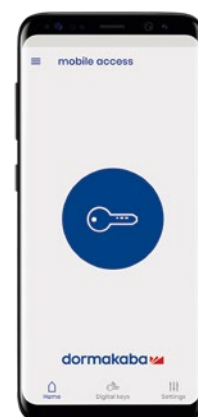
TouchGo media

Practical TouchGo transponder in the form of a key fob. The transponder can unlock doors without having to be taken out of a trouser or jacket pocket. Available in white and black, also as a card holder or wristband.



Smartphone app (Mobile Access)

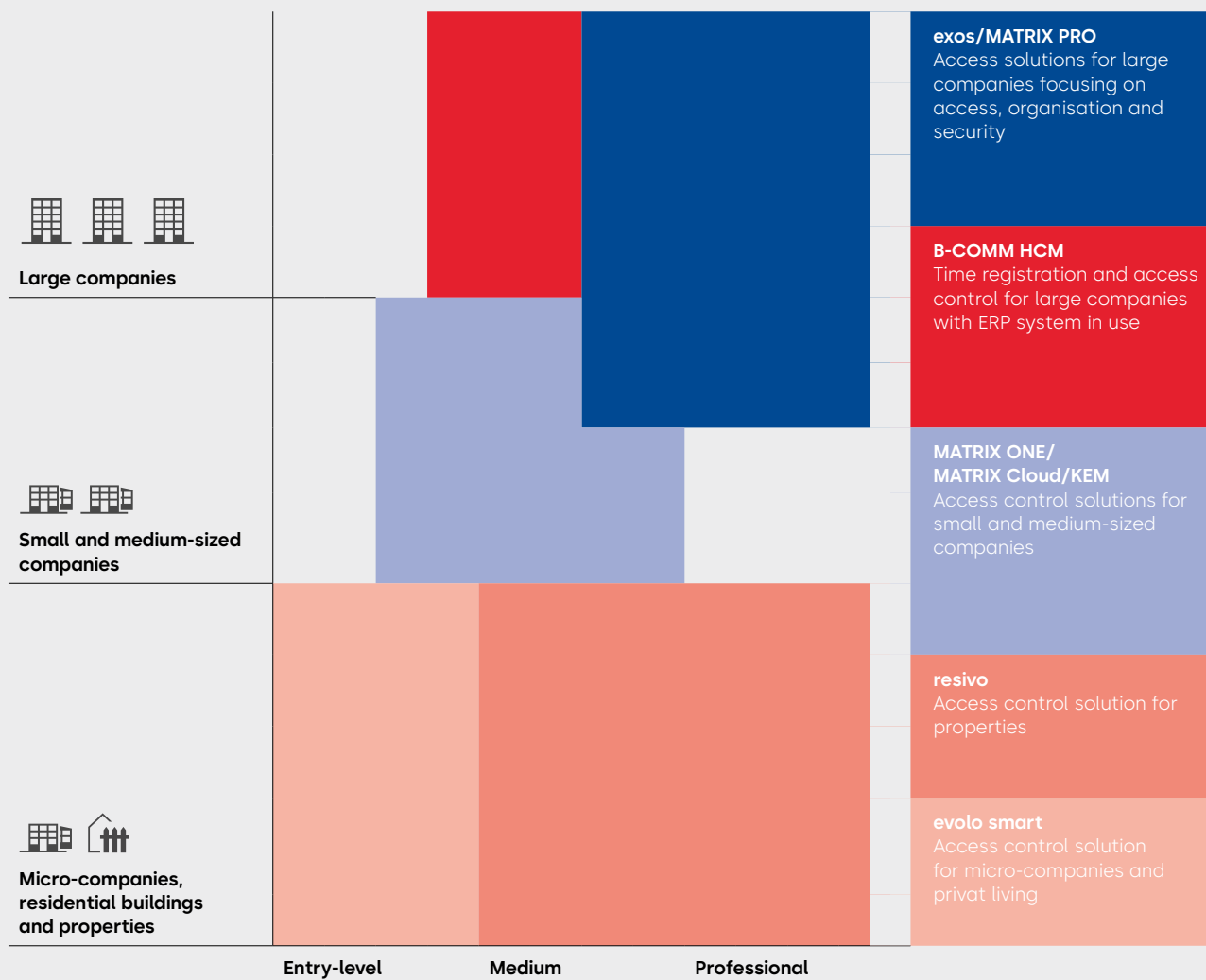
With Mobile Access, smartphones become access media. Access is possible with or without time limitation.





Solutions for access control

Access and data acquisition solutions for a variety of applications, both office and private: Our products offer you full product-compatibility and interoperability, while the software is precisely tailored to your needs.



A holistic access control system comprised of different hardware and software components matched to your needs.



The effectively available scope of system functions depends in each case on the system context in which the product is used. The figure shows an example system structure.



Access control for large companies

Kaba exos 9300



The exos 9300 system is a comprehensive, modular access management system. With this solution, all access permissions are flexibly coordinated across locations – From simple door control via wirelessly integrated door components to complex interlock control with monitoring. Mechanical doors and locking systems can also be integrated for a holistic solution at any time.

Simply convincing:

- Uniform processes and efficient sequences thanks to the integration and management of all mechanical, mechatronic and electronic access points in one system
- High flexibility thanks to the effortless use of your existing media, access readers and door components
- Integration and linking of intrusion, alarm and video systems
- Lowering of infrastructure and personnel costs thanks to the seamless integration of the system into your own IT sphere and connection to ERP systems
- Easy expansion thanks to a modular and scalable system structure

Kaba exos 9300 modules:

- Authorisation management
- Visitors
- Master key system management
- Contractors
- Cards and other credentials
- Online cabinet lock
- Tenants
- Car park management
- Key depot
- Access



MATRIX Professional



A modular system for access control, time registration and time management with the option of escape route control. The system can be scaled to meet nearly every security need and fit any application size. It can be implemented for simple door control with a locking plan as well as for the mapping of complex security situations, for example with lift control, interlock management or high-security conditions.

Simply convincing:

- Manages up to 300,000 credentials/people
- Ergonomic, browser-based interface
- Exact coordination to customer requirements
- Configurable interfaces to parent systems

MATRIX Professional Options

MATRIX Professional can be precisely adapted to individual needs thanks to its modular design and option management. License management also enables subsequent expansion, such as tenant management for data and peripherals, TMS coupling for escape route control, integration manager for coupling with third-party systems, visitor and external company management and Mobile Access.



Access control for ERP systems

dormakaba B-COMM HCM

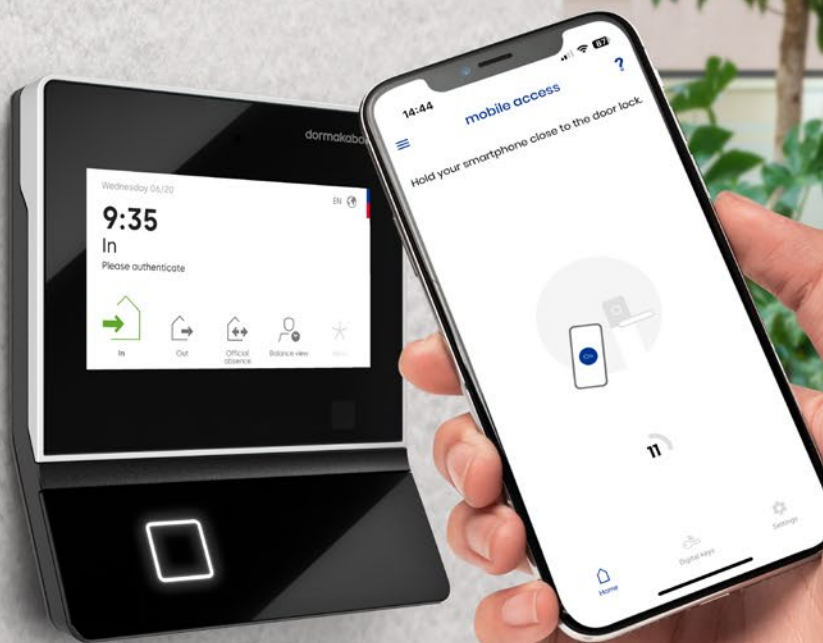


B-COMM HCM consolidates your time tracking on a user-friendly platform that integrates seamlessly with your ERP system – whether it's SAP, Workday, Oracle/Peoplesoft, Microsoft, or a hybrid system. Our complementary solution is based on more than 30 years of experience and can be fully integrated into your HCM system to easily track and manage employee attendance, workplace activities, access control, and self-service.

B-COMM HCM is designed for easy integration into your existing ERP systems – after a one-time programming, you can access data from all platforms around the clock via a single interface. From installation to operation, a dormakaba contact person is at your side to ensure that the system is always optimized for your business.

Simply convincing:

- Track activity in real time
- Collect and analyze critical data from across your entire company
- Synchronization with your ERP systems – a common platform for multiple HCMs
- Advanced monitoring with B-COMM HCM





Access control for small and medium-sized companies

MATRIX Cloud

With MATRIX Cloud, you benefit from the advantages of the comprehensive and intuitively operated MATRIX access control system. At the same time, you can utilise the capabilities of a flexible cloud-based solution which always remains up to date and secure.



Simply convincing:

- Quick deployment: Intuitive cloud solution, customizable and rapidly deployed
- Predictable costs: No need for own servers, clear annual cost structure
- Enhanced security: GDPR-compliant with strong cybersecurity and full compliance
- High reliability: Stable performance through regular updates and optional support
- Always up to date: Automatic updates keep the system current

MATRIX ONE

Simple, secure and browser-based access solution for small and medium-sized companies. The out-of-the-box solution is rolled out in no time, and the modern interface ensures intuitive operation.



Simply convincing:

- Quick and easy commissioning
- Controlled and secure management from anywhere with access functions, door status monitoring and notification actions, interface to an intruder detection system, alarm monitor and camera, visitor management
- Support for the Offline, Access-on-Card and Online operation modes
- Reliable granting and denying of access, online in seconds or via remote access
- Free choice of operation modes

dormakaba evolo Manager

The flexible, wireless turn-key solution from individual doors to the management of all access points of a system. Whether it's inside or outside, for employees, visitors or delivery persons – evolo is an easy-to-program access system. Digital access components are standalone-operated and can therefore be installed into nearly any door quickly and easily. Existing mechanical locking systems are easily managed as well and supplemented with evolo digital components.



Simply convincing:

- Modular design and expandable at any time
- Quick and easy assignment of access permissions
- Large number of access media can be programmed
- Comprehensive: setup of max. 512 groups for group authorisations
- Issuance of individual permissions with personal time frames
- Permissions with defined start and expiry times, e.g. for visitors
- Gapless security, even if an access medium is lost
- Practical lift control – up to 49 storeys can be operated with just one reader in the cabin (can also be used for letterboxes)
- Supports the Mobile Access function – the door can be opened with a smartphone

dormakaba CheckIn

The user-friendly and efficient software for daily management and programming of guest cards.

Simply convincing:

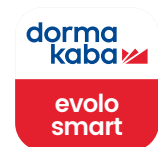
- User-friendly software for efficient check in/check out, available in many languages
- Battery-operated door elements are quick and easy to install
- Additional guest cards are quickly and easily duplicated
- Guest cards which are not returned automatically lose their permission, blocked using a service medium if lost while visiting
- Guest cards can be reused any number of times
- Easy integration: Mechanical keys can also be managed with the software





Access control for micro-companies and private residences

dormakaba evolo smart



The evolo smart app controls who is given access to your door. For this, you do not need any additional hardware to program the door components. Access to the door is either with a physical medium (card or key chip) or a smartphone (a so-called digital key). Digital keys can be purchased, managed and allocated in the evolo smart app.

Simply convincing:

- Quick and convenient programming of access permissions via app
- Easy to delete and add access media and permissions.
- Setup of time-limited access permissions
- For private residences and micro-companies with up to 200 users
- Access via smartphone, cards or key rings
- Smartphone: no need to hand over physical media
- Independent: evolo smart runs offline



Access control for properties

dormakaba resivo



resivo by dormakaba is a future-oriented, cloud-based access management system. It offers significant advantages for property administrators, building owners and tenants compared to conventional mechanical locking systems. No more worrying about lost or stolen keys. Flat hand-offs are easier and more convenient for the tenant. resivo saves time by simplifying the procedures for granting access to delivery persons, service providers and craftspeople. Tenants themselves decide who should have access to their flat and when – also remotely. resivo unlocks a whole new dimension of building utilization packed with advantages.

Simply convincing:

- No need for physical key hand-off during a tenant change
- Access control via an intuitive app for property administrators and tenants
- Lean digital processes and no longer any need to replace cylinders after key loss
- Smart functions can reduce vacancy rates and generate added value
- Tenants decide for themselves who should have access to their premises and when
- New and existing properties can be outfitted and updated as required





Time registration

dormakaba terminal 96 00



The compact dormakaba Terminal 96 00 features a bright 5" touchscreen for versatile time recording and access control. It is customisable and user-friendly, equipped with a multi-RFID reader and optional finger biometric reader for long-term reliability in any environment. Furthermore, reparability is a core element of the terminal's design, ensuring sustainable maintenance and long-term functionality.

Simply convincing:

- Intuitive operation with high-resolution 5" touchscreen
- Flexible user authentication via smartphone, RFID or biometrics
- Customisable user interface for personalised user interaction
- Multilingual voice output function for greater user-friendliness
- Robust construction meets high security standards
- Energy-efficient with proximity sensor for sustainable use



dormakaba terminal 98 00



The Terminal 98 00 features a large 10.1" touchscreen, advanced electronic time recording and Employee Self Service (ESS) for employees. It offers comprehensive work time management options and meets individual information needs with its future-proof technology, which is suitable for many working conditions.

Simply convincing:

- Responsive 10.1" touchscreen made of robust glass
- Optional IP65 protection for reliable use in harsh environments
- Durability and reparability as aspects of sustainable product design
- Identification options via smartphone, RFID and biometrics
- Extensive, customisable interface for detailed information display
- Information system with employee insights
- Optional biometric reader for increased security





Shop Floor Data Collection

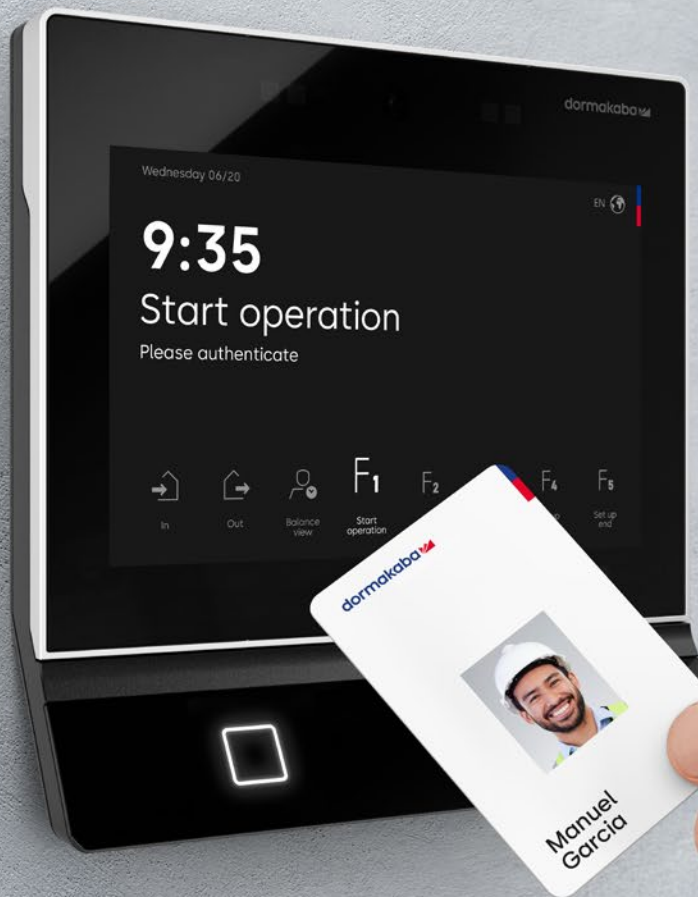
dormakaba terminal 98 00

The dormakaba Terminal 98 00 sets new standards in functionality and design and also saves energy thanks to its proximity sensor. This modular, expandable all-rounder stands for modern and simple production data collection. The user interface is freely configurable. On request, the display can be customised with your company's own look, background images, colours, signal tones and (multimedia) content. Additional options such as biometric readers or cameras round off the system, which can be flexibly adapted to individual company requirements.

Simply convincing:

- Responsive 10.1" touchscreen made of robust glass
- Optional IP65 protection for reliable use in harsh environments
- Durability and reparability as aspects of sustainable product design
- Identification options via smartphone, RFID and biometrics
- Extensive, customisable interface for detailed information display
- Information system with employee insights
- Optional biometric reader for increased security







Interface solutions for third-party systems

B-COMM communication software

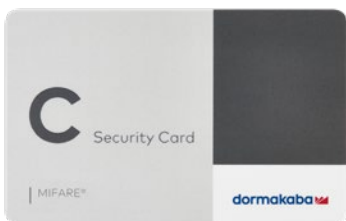
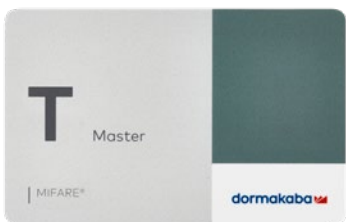
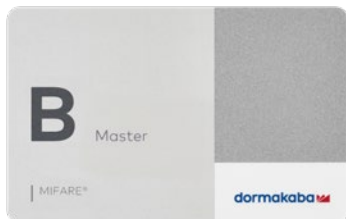
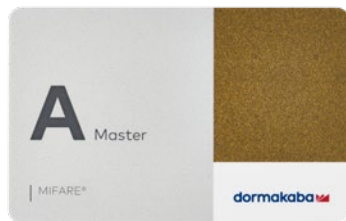
The B-COMM integration platform for fast and efficient management of terminal systems and related functional areas, regardless of the computer or operating system platforms. The software enables the creation and management of tenants and communication channels, job processing and data exchange with partner applications.



Technology and functional principles

MIFARE® with ARIOS-2

The MIFARE® with ARIOS-2 security concept ensures consistently secure RFID applications throughout the entire lifecycle of your access and time registration recording solutions. dormakaba offers additional sophisticated mechanisms that make your access control and time registration even more secure.





Technology and functional principles

dormakaba TouchGo



The access control system with the TouchGo function eliminates the need to search for keys. Simply touching the door handle is sufficient, and the lock detects whether the person is authorised to enter. It also doesn't matter whether the TouchGo user medium is located in a bag or jacket, or on a belt.

Simply convincing:

- Free hands – your hand is your key
- Increased security and privacy – access for authorised persons only
- Access rights are checked using RCID technology developed by dormakaba – simply touching the metal receiver electrode (such as a door handle) is sufficient
- Transponder is optionally available as a key ring, card holder or wristband



CardLink/Access on Card (AoC)

Users receive their access rights on update readers directly onto their badges. The update readers are installed at central locations, e.g. at the staff entrance, in the lift area or in the cafeteria. This process keeps operating costs low.



Biometric systems

With its easy handling, high user acceptance and optimal data protection, biometric access control is very impressive. There is no scope for security risks due to cards being lost or given to someone else. And it goes without saying that it is highly cost-efficient.

Simply convincing:

- Unique identification of persons
- Selection between identification (biometrics instead of cards) or verification (biometrics as a supplement to cards)
- Easy, secure and convenient operation
- Biometric features can't be forgotten, lost, stolen or passed on to third parties
- Legal certainty – who gained access, when and where
- Data protection fully ensured through non-reconstructable fingerprints
- Hygienic access solution using face recognition and body temperature measurement
- Verification of mask wearing





Technology and functional principles

Mobile Access



With the Mobile Access function, both online and offline doors are seamlessly integrated into the access solution — making the system simple, efficient, and secure. Access rights can be easily assigned to employees, guests, or service providers, eliminating the need for physical key handovers or returns. This not only streamlines processes but also enhances security and convenience. Access permissions for remote areas or infrastructure facilities are granted only when needed on site. For example, a project manager can request the necessary access rights and receive them instantly on their smartphone — simply by making a call.

Simply convincing:

- Use of a smartphone as an access medium
- Can be combined with dormakaba online and standalone components
- Access rights are transferred to the smartphone over a secure platform
- Door status and access events are transferred to the dormakaba access solution

Wireless



The Wireless function connects the online and standalone worlds and networks the digital components. The wireless access components are comfortably controlled and maintained from your desk: There's no need for on-site programming. You have full access to the door components from your computer.

Simply convincing:

- Programming at your desk means high operational convenience
- Increase in security for remote doors: no gaps in security thanks to the immediate transfer (e.g. withdrawal of access rights in case of card loss)
- Information on door status and access events (time/location/medium)
- Secure and cost-effective expansion of all dormakaba access solutions with the Wireless function
- Quick, efficient planning and execution of maintenance and updates
- Less administration and time required



Escape Route Systems

SafeRoute

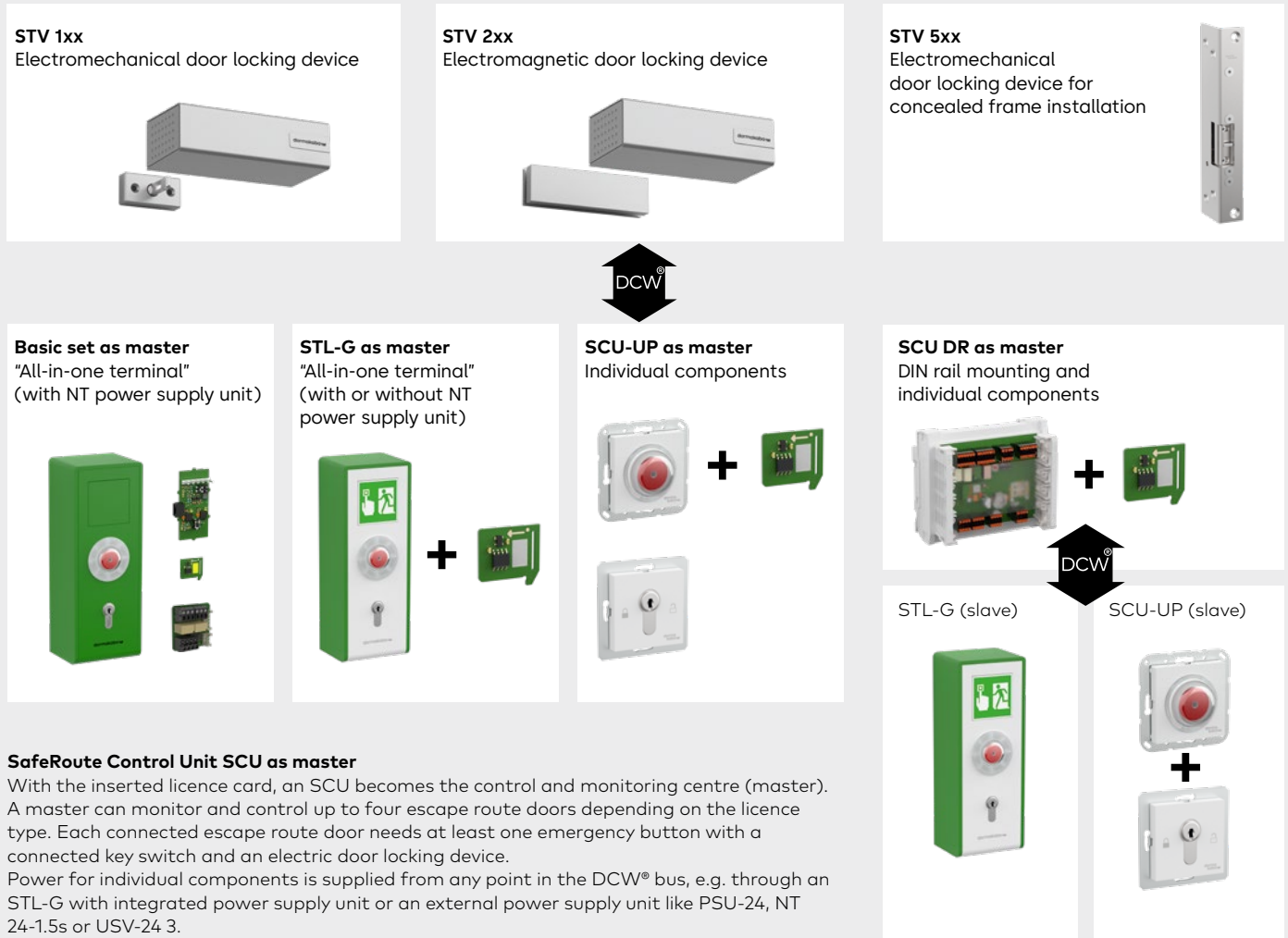
Save lives, protect valuables

With regard to safety, doors in escape and rescue routes pose an enormous challenge as they have to meet contrasting requirements – protecting people's lives on the one hand, while protecting property on the other. With escape routes, building regulations require doors to be easily opened from

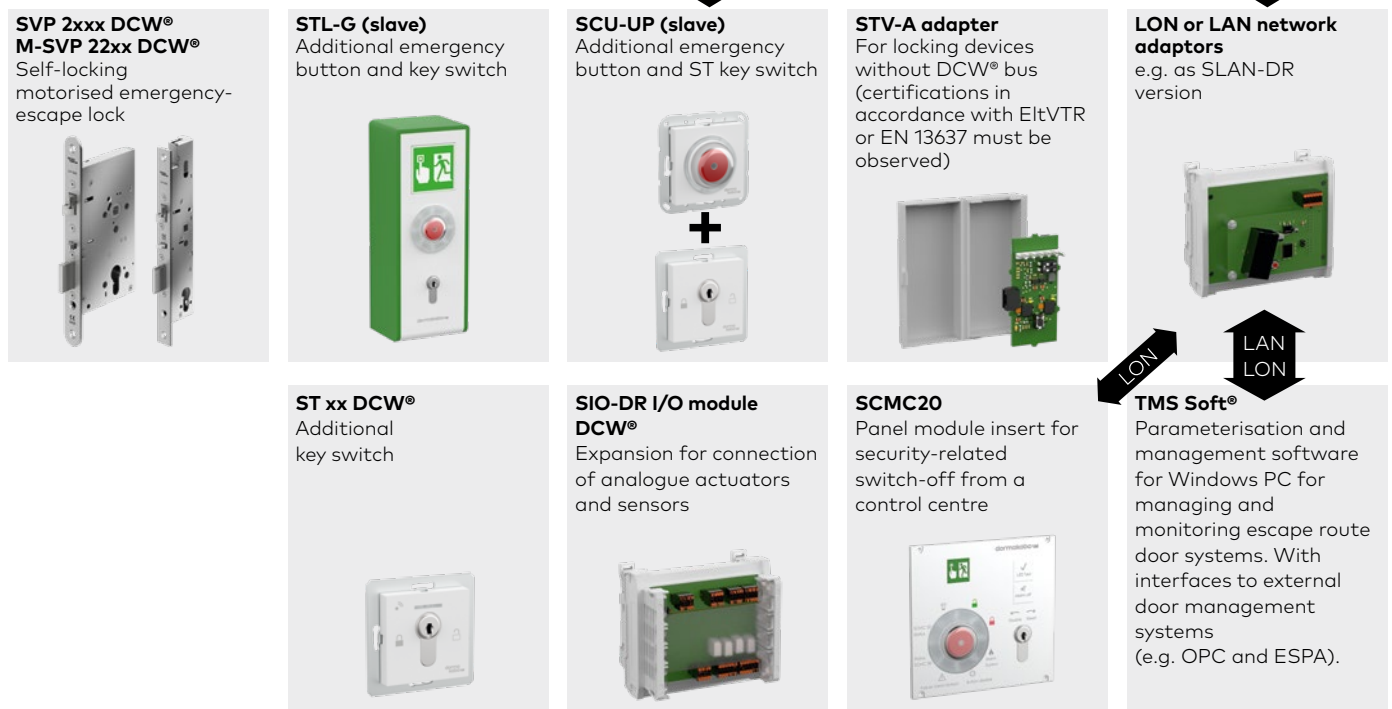
inside without external tools. At the same time, insurers, police and facility operators require the most secure lock possible against misuse and break-ins. Our escape route security systems monitor, control and release the door in case of an emergency.



Basic components



Example selection of optional components





Escape Route Systems

SafeRoute: control, operation and release

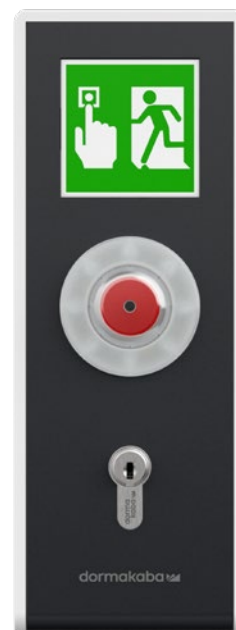
STL-G surface-mounted terminal

The STL-G door terminal is comprised of the SCU-TL components with emergency button and key switch in a surface-mounted housing. Together with an electrical locking device, the STL-G door terminal fulfils the requirements of EN 13637 and the German Directive for Electrical Locking Systems on Escape Route Doors (EltVTR).

Together with a licence card, the STL-G becomes a control and monitoring panel (master). Without a licence card, the STL-G door terminal can be used as an additional door terminal for an escape route door as a "slave" in a group.

Simply convincing:

- Combination of all components required for control and operation in a robust housing with lightweight metal frame
- With the attractive XEA design, available as standard in 12 colour combinations and special colours
- Easy installation thanks to hinged housing and the same mounting points as the previous product
- System-wide uniform wiring with 4-lead DCW® bus technology
- Variants available with or without integrated power supply unit
- Variants suitable for outdoor use with IP54 protection available



SCU-UP flush-mounted control unit/ emergency button

Flush-mounted unit with integrated emergency button as a System 55 insert for use as a control unit (master) or emergency button (slave). As delivered, the SCU-UP functions as an emergency button with a plugged-in licence card like the SCU-UP for the control unit.

Simply convincing:

- Integrated emergency button
- Functional scope of the control unit is selected using a new licence model
- Integrated light ring for visual support during commissioning, operation and service
- Simple alarm reset via non-locking emergency button
- Audible and visual alarm
- System-wide uniform wiring with 4-lead DCW® bus technology
- Common flush-mounted combinations are available as supply sets

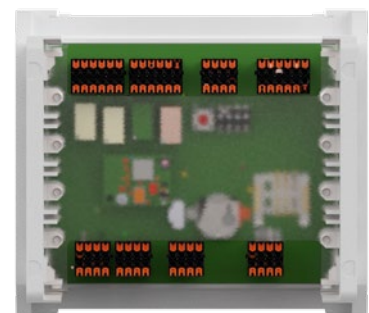


SCU-DR control unit for top hat rail mounting

The SCU-DR is a control unit for installation on a top hat rail TS35 as per EN 50022 with 4-lead DCW® bus technology. Can be used in a switch cabinet or dormakaba NT-G, NT-G1 or NT-G2 power supply unit housings. Integrated I/O module with four inputs and outputs. For operation, an SLI licence card (from Basic version onwards) and at least one emergency button are required, e.g. the SCU-UP flush-mounted unit or the STL-G surface-mounted terminal.

Simply convincing:

- Functional scope of the control unit is selected using a new licence model
- Four inputs and outputs each for the integration of external sensors/actuators (integrated I/O module)
- Functions can be configured with TMS Soft
- Mounted on TS35 top hat rail as per EN 50022
- System-wide uniform wiring with 4-lead DCW® bus technology
- Also available as a VdS C-approved variant for connection to intrusion alarm systems in a pre-assembled and specially preconfigured unit in a tamper-proof housing





Escape Route Systems

SafeRoute: control, operation and release

SafeRoute SLI licence cards

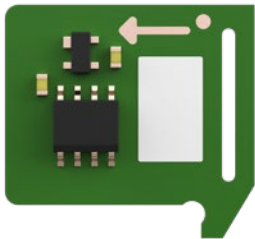
The scope of functions of a SafeRoute escape route security system is determined through pluggable licence cards that remain in the SCU control unit during operation. There are currently two types of license cards: standard and premium.

The standard license already offers high flexibility: For example, it includes the setup of logic functions and an integrated real-time clock. The premium license additionally allows the configuration of gate controls for up to four doors and integration with security-relevant control panels.

For simple use cases, the basic license is also available in a convenient delivery set, which includes either a green surface-mounted or white flush-mounted terminal.

Simply convincing:

- Modular system architecture with the same hardware components regardless of functionality
- Function determination based on a clear, three-step license card model
- License cards for one-time purchase with unlimited validity, no ongoing licensing fees
- Software-free commissioning with factory preconfiguration
- DCW® bus system with component self-detection
- With the basic delivery sets, a complete system can be built using only two item numbers



SafeRoute: locking and unlocking

STV 100 door locking devices

Electromechanical door locking device (closed-circuit current principle) for attaching to the frame lintel. Connection to the SCU exclusively via 4-lead DCW® bus. The STV 1xx door locking device opens without jamming and without delay. The maximum locking force corresponds to the German directive for Electrical Locking Systems on Escape Route Doors (EltVTR) and EN 13637 Class 3.

Simply convincing:

- Opens immediately without jamming
- Protected from manipulation via tamper switch
- Robust coated metal housing
- Integrated contacts for monitoring the active/inactive status
- Approved as per the German Directive for Electrical Locking Systems on Escape Route Doors (EltVTR) and certified as per EN 13637
- Suitable for retrofitting (depending on the door design used)





Escape Route Systems

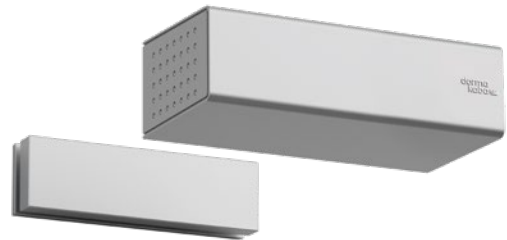
SafeRoute: locking and unlocking

STV 200 door locking devices

Electromagnetic door locking device (closed-circuit principle) for attaching to the frame lintel. Connection to the SCU exclusively via 4-lead DCW® bus. The STV 2xx door locking device opens without jamming or delay. The maximum locking force corresponds to the German Directive for Electrical Locking Systems on Escape Route Doors (EltVTR) and EN 13637 Class 3.

Simply impressive:

- Opens immediately without jamming
- Protected from manipulation via tamper switch
- Robust coated metal housing
- Approved as per the German Directive for Electrical Locking Systems on Escape Route Doors (EltVTR) and certified as per EN 13637
- Suitable for retrofitting (depending on the door design)



STV 500 door locking devices

Thanks to the electromechanical door locking device for concealed frame installation for doors in escape routes, the STV 500 not only provides the door with visual elegance, but is also not prone to vandalism.

Simply impressive:

- Jam-free unlocking irrespective of loads
- Adjustable latch
- Concealed frame installation for vandalism protection
- With DCW® bus technology
- Integrated monitoring contacts
- Approved according to the German Directive for Electrical Locking Systems on Escape Route Doors (EltVTR) and in accordance with the specifications of EN 13637



STV-A universal adapter

The adapter enables the integration of analog locking devices without a DCW® bus interface into SafeRoute (dormakaba TV 100, TV 200, TV 500, TV 550). The integration of suitable equipment from third-party manufacturers as per the German Directive for Electrical Locking Systems on Escape Route Doors (ElTVTR)/EN 13637 is also possible (corresponding approvals and certificates are to be complied with).

Simply impressive:

- Its small size makes it especially suitable for installation in profile frames





Escape Route Systems

SafeRoute: networking and remote control

SLON-DR network adapter

Enables linking of SafeRoute SCU control units to LON networks as well as visualization and configuration via TMS Soft and the security-relevant central control via a control panel. The connection is established through the RS232 interface of the SCU control unit (master). Remote control and visualization functions are already possible with the Basic set. The use of security functions via an SCMC control panel requires a control unit with the premium license card

Simply convincing:

- Networking of up to 12 doors over a single SLON module is possible (depending on the building conditions and system configuration)



SLAN-DR network adapter

Enables linking of the SafeRoute SCU control unit to the LAN TCP/IP network as well as visualisation and configuration via TMS Soft. The connection is established on the RS232 interface of the SCU control unit (master). At least the basic set is required.

Note: Control panel security functions (central activation, delay and lock functions for local release) are only possible via LON.

Simply convincing:

- Up to four self-sufficient doors can be networked over a single SLAN module (depending on the building conditions and system configuration)
- An SLAN module connected via RS232 is only required on the control unit (master)
- Use of existing infrastructure
- Familiar network administration



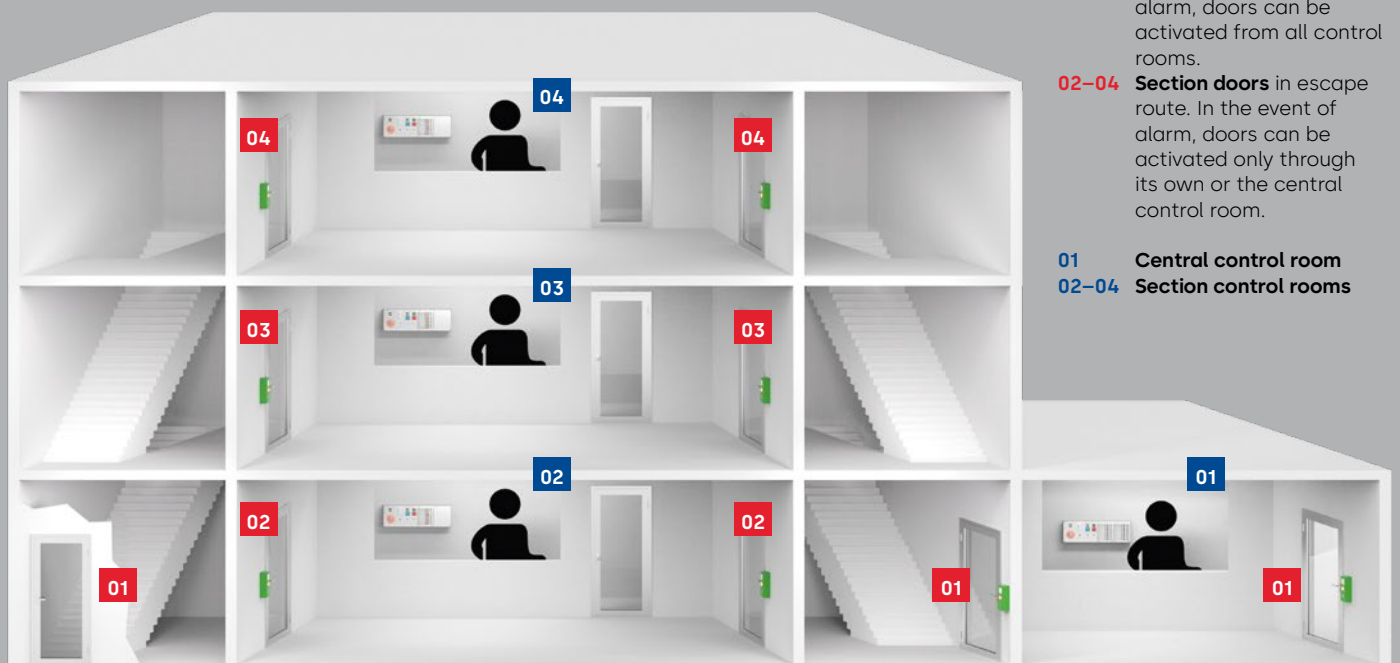
Visualise and control doors from a control centre without a computer

Panel controls



With the panel systems, individual doors, door groups and spatial sections can be monitored and controlled in real time. Depending on the requirements, a panel system can be assembled individually. Additional functions can be enabled by using panel extensions and connecting external control devices.

- Central control and monitoring of SafeRoute escape route doors
- Central activation of individual doors and sections, e.g. from a permanently staffed control room
- Specific opening of individual doors
- Definition of door groups or door sections
- Blocking or delaying releases after pressing the emergency button on site (protection against misuse of escape routes)
- Connection via LON or LAN network
Security functions only via LON.



Application example

- 01 Central doors** in escape route. In the event of alarm, doors can be activated from all control rooms.
- 02-04 Section doors** in escape route. In the event of alarm, doors can be activated only through its own or the central control room.

- 01 Central control room**
02-04 Section control rooms



Access Management for hotels

Ambiance access control software

dormakaba's on-premises software solution Ambiance, covers a wide variety of requirements for access control in hotels. Users of the software can comfortably manage all access rights for guests and employees thanks to web-based software architecture and configurable permissions. Interfaces to common property management systems (PMS) are already available.

Simply convincing:

- Bluetooth® support
- Web-based clients
- Expanded reporting options, e.g. for key management
- Reading out of the event memory of the locking system
- Creation of access keys with special authorisations



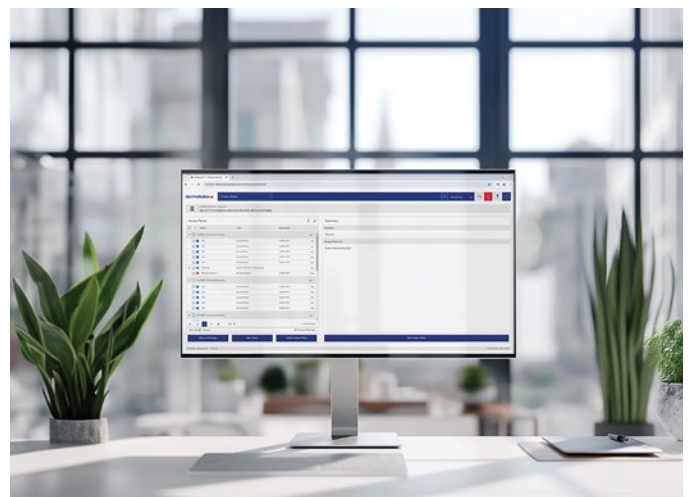
Ambiance Cloud access control software

Ambiance™ Cloud is a powerful cloud-based access control software that efficiently manages hotel operations — whether for a single property or an entire hotel group with multiple properties. It enables secure guest and staff access, door lock management, and the protection of perimeter areas—anytime, from anywhere. With no need for local servers, Ambiance Cloud ensures secure access control with automatic updates, encrypted backups, and reliable system maintenance. Using industry-leading Amazon Web Services (AWS) for cloud services, Ambiance Cloud offers scalable performance and security for hotels of all sizes.

Simply convincing:

- Cloud-based access control – easily manage access for guests and staff from anywhere
- Seamless integration – built-in interface connects with on-premise PMS and other systems
- Remote & server-free – administer access from anywhere with high-performing functionality — no local servers needed

- Modern & secure credentials – supports RFID, mobile keys, and digital wallets for enhanced convenience and security
- Supports dormakaba's Bluetooth® enabled locks
- Scalable & user-friendly – works for hotels of any size, with intuitive, guided workflows that adapt to property needs



Mobile Access solutions

Bluetooth®/NFC supported door locks

With dormakaba's convenient, reliable and secure solution for the mobile access of guests and employees, digital keys can be automatically provided on mobile devices using Bluetooth® Low Energy (BLE) or NFC communication technology so that, for example, guests can always locate their room straight away while the personnel at the reception are freed up. All dormakaba door locks of the latest generation support mobile access and can be configured accordingly; existing installations can often be retrofit.



Activation with LEGIC Connect

LEGIC Connect

dormakaba's solution for mobile access is based on our LEGIC Connect platform, which is provided through a high-security data centre.

Apple Wallet as Room Key

dormakaba enables hotels to integrate the room key directly into Apple Wallet on iPhone and Apple Watch. Hotels benefit from a modern and convenient access solution that seamlessly integrates with dormakaba access control systems. This reduces the workload for hotel staff, enhances security, and minimizes the use of plastic key cards.

Hotel staff can easily manage access, while guests enjoy smooth and secure entry to all hotel facilities. The next generation of room keys is here – digital, secure, and convenient.

Simply convincing:

- Modern & convenient – Guests unlock doors with iPhone or Apple Watch
- Efficient & secure – Reduces staff workload and enhances security
- Minimizes plastic key cards – A sustainable solution for hotels
- Seamless integration – Compatible with dormakaba hotel locks and hotel access software





Electronic hotel locks

Saffire LX

The Saffire LX hotel lock combines advanced technology with modern, elegant design. The comprehensive equipment regarding security and flexibility leaves nothing to be desired. Saffire LX is already equipped with Bluetooth® and NFC-technology. In combination with our matching software solutions, mobile access can be implemented easily and securely in this way.

Simply convincing:

- RFID lock
- Minimalistic design
- Suitable for new construction projects and conversion work
- Online operation optional (Zigbee)
- NFC and Bluetooth® ready ex works for mobile access and wireless programming
- Compatible with the Ambiance access management system



Confidant

Thanks to its discreet, modern design, the Confidant door lock ideally fits into nearly any hotel environment. The combination of contactless RFID technology and refined aesthetics enhances your guests' stay, offering both style and durability without compromise. This clever door lock solution seamlessly integrates with the dormakaba Ambiance access management software and is available in a variety of kit configurations.

Confidant kit 1

Exterior fitting only – for the retrofitting of existing locking systems while retaining the interior fitting and mortise lock

Confidant kit 2

Exterior and interior fittings – for the retrofitting of existing locking systems while retaining the mortise lock

Confidant kit 3

Exterior and interior fittings with mortise lock – for conversions or new buildings. Confidant supports the dormakaba solution for mobile access via Bluetooth® (optional)/NFC, which enables guests to use their mobile device as a key

Simply convincing:

- RFID lock, mobile access available as an option
- Suitable for both new buildings/ conversions and retrofit projects
- Online operation optional (Zigbee)
- Compatible with the Ambiance access management system



RT Plus

RT+ is a robust electronic door lock with contactless RFID technology. This user-friendly and highly durable lock is fully compatible with the dormakaba Ambiance access management system. The RT+ series supports dormakaba's mobile access solution via Bluetooth®/NFC, allowing guests to use their mobile device as a key.

Simply convincing:

- Pre-equipped for mobile access and digital wallets
- For new buildings and retrofit projects
- Online operation optional (Zigbee)
- Easy retrofitting of 790 (Legacy-serie) to RT+



SR3 (Concierge) for Guest Rooms

The SR3 is a versatile RFID wall-mounted module designed for users who place a high value on elegant and customised design. By installing the SR readers behind bespoke cover plates, you can add a unique touch to the access control of guest rooms or other specific areas in your hotel. At the same time, this allows you the freedom to design the door handles and knobs as you wish. The SR3 is a minimalist solution that replaces the need for a conventional door hardware or RFID reader. It supports the dormakaba mobile access solution via Bluetooth® Low Energy (optional), enabling guests to use their mobile devices as room keys.

Simply convincing:

- RFID wall-mounted module, with optional mobile access
- Customisable design
- Installation behind a bespoke cover plate
- Optional online operation (Zigbee)
- Compatible with the Ambiance access management system





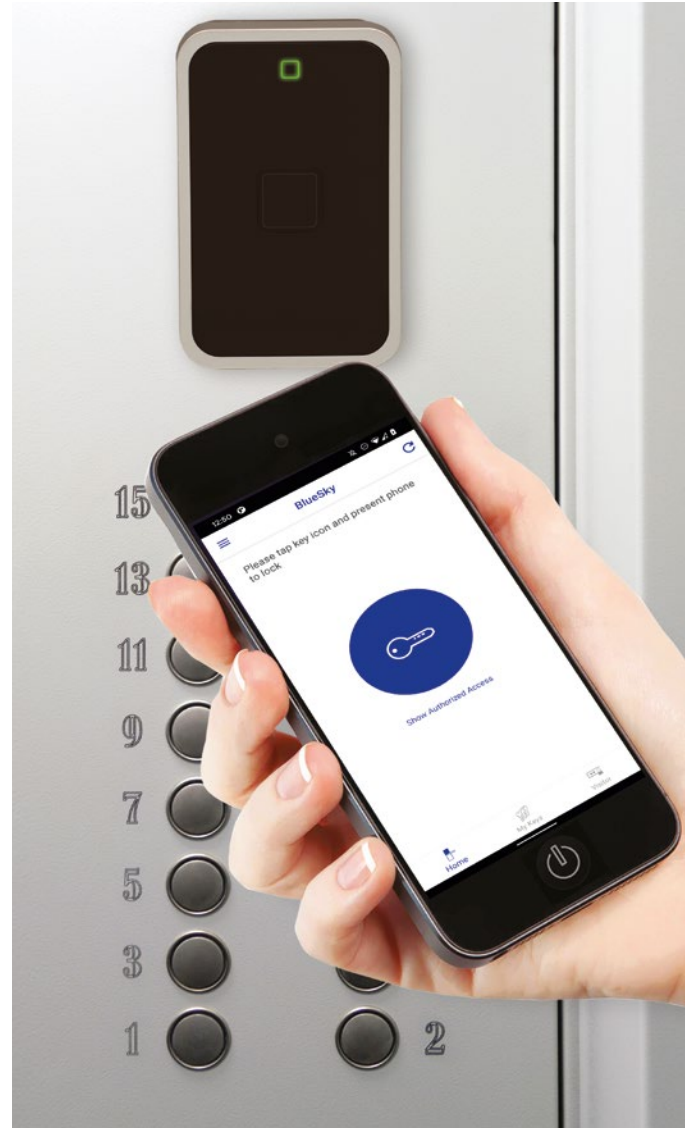
Perimeter access

RAC5 reader

With our peripheral devices, you expand your building protection beyond just door access. High-frequency access areas such as entrances, lifts, multi-storey car parks and other special perimeter areas are ideally integrated into the security concept of your building with our card readers.

Simply convincing:

- Guests can use mobile devices as room keys
- NFC-compatible
- Also controls access to lifts, car parks and other doors with an electric strike or electrical control unit







EntriWorX EcoSystem

One single EcoSystem for everyone.

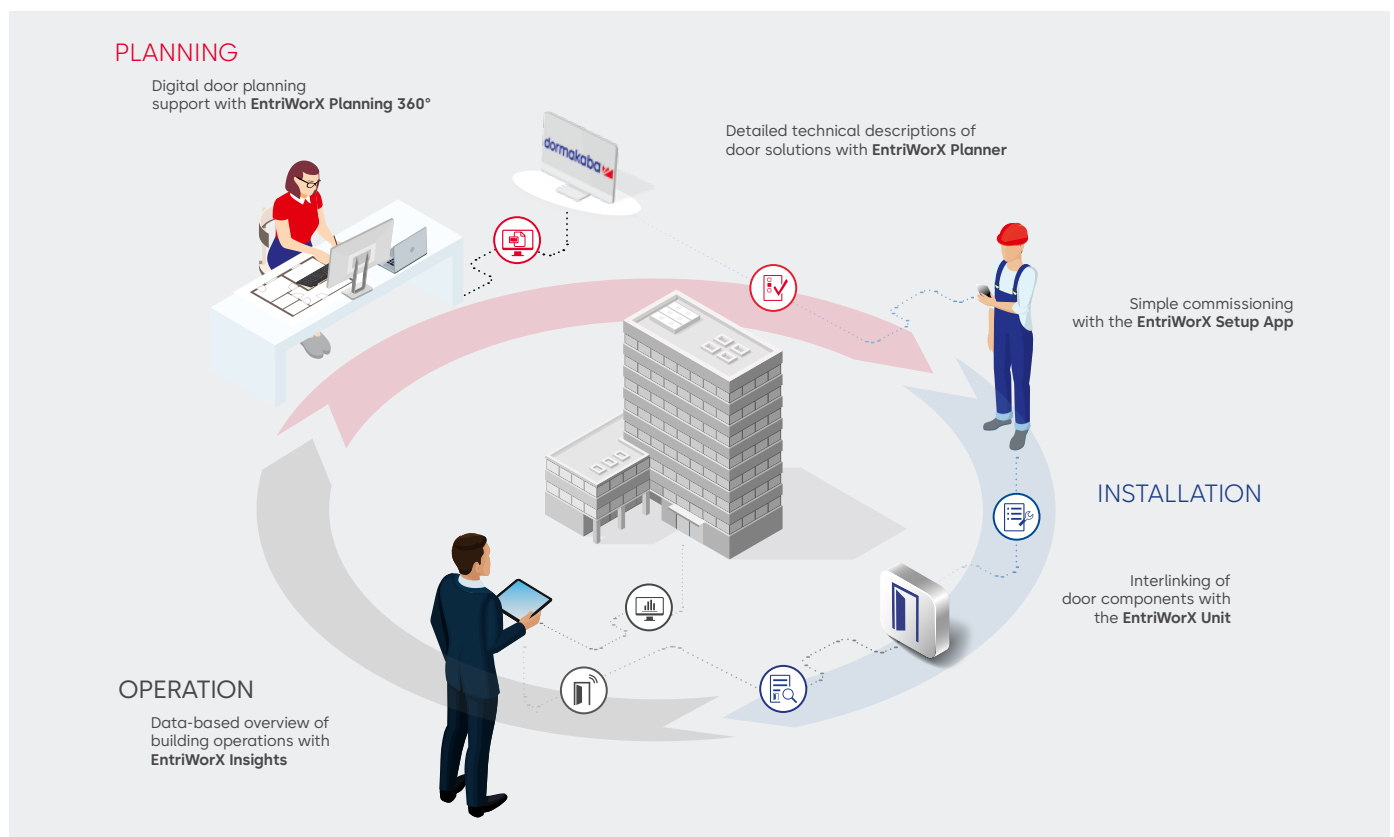
Improving productivity, collaboration and planning security:

EntriWorX, the EcoSystem for planning, installing and operating door systems. Ideal for architects, planners, installers, facility management and anyone involved in the building construction process and building lifecycle. A digital environment for collaborative working. All planning documents and access information is accessible online to everyone involved.



One EcoSystem for everyone

Productively plan, install and operate access solutions.



Planning

Efficient planning

EntriWorX Planning 360°, the web-based collaboration software, simplifies not only the design planning but also communication among all those involved in the planning and implementation of generating the door list. Time constraints, building regulations, safety requirements and ambitious customer needs are easily handled. The technical and operational design plans can be mapped and adapted as needed, for instance by security advisers, installers or by dormakaba itself using the **EntriWorX Planner**. The tool works with predefined templates, which are then provided in the data cloud.

Installation

Faster commissioning

Installation is aided by the user-friendly **EntriWorX Setup App**.

The commissioning process is carried out step by step via smartphone or tablet. Installation errors can be systematically detected and corrected.

The core of the system is the compact hardware **EntriWorX Unit**, which significantly reduces the number of components and wiring required for the installation.

The intelligent controls save valuable installation time and increase productivity.

Operation

All data at a glance, any time

Facility management nowadays works with digital tools and processed performance information:

- Control of room occupancy and people traffic
- Monitoring and analysis of door operation data
- Doors report malfunctions independently
- Maintenance and repairs according to actual requirements of the door
- Integration with API interfaces

EntriWorX Insights provides more transparency and efficiency and makes it possible to operate door systems pro-actively based on historical data.

EntriWorX Planning

Digitized and collaborative door planning

For design planning: **EntriWorX Planning 360°**

- Open BIM ready, Autodesk-Revit and IFC files, 2D CAD formats.
- Complex situations and interdependencies can be visualized in 3D.
- Effective issue management via standard interfaces such as BCF.
- Easy import and export of door lists.

For installation planning: **EntriWorX Planner**

- Planning with functional door models from predefined door templates.
- Implementation compliant with standards and building regulations.
- Visualization of access and security zones including component list and connection diagrams.
- Development of technical and operational design planning.

EntriWorX Installation

Digitized door installation and commissioning

The central core: **EntriWorX Unit**

- One single device ensures that all function data are exchanged.
- Reduced complexity thanks to easy wiring of the dormakaba components.
- Simple collaboration of different components (even from third-party providers).
- Time-saving installation due to reduced components and less wiring.

The installation app: **EntriWorX Setup App**

- Commissioning is done step-by-step with a smartphone or tablet.
- Malfunctions can be localized digitally.
- Complete documentation like specifications, wiring diagrams, floor plans and connection diagrams, technical drawings for production, component lists and installation videos can be accessed via the **EntriWorX Setup App**.

EntriWorX Operation

Efficient building management thanks to access to digital doors

Occupancy Insights: **EntriWorX Insights**

Room occupancy in real time:

- Precise sensor technology.
- The data can be analyzed from anywhere via the cloud.
- Suitable for all doors and open access points.
- Intuitive displays show the current room occupancy.
- Time-saving installation due to reduced components and less wiring.

Remote Support: **EntriWorX Supported Service**

- 24/7 dormakaba service support.
- Monitoring and proactive maintenance that's always on task.
- We keep watch and manage so you can focus where it counts.

Door Insights: **EntriWorX Insights**

Detect faults immediately:

- Interruptions can be prevented proactively.
- Cloud-based data management.
- Integration of door data into existing monitoring, via the API interface.
- Thanks to IoT and "Always On", the operation, maintenance and repairs are adapted to current needs and do not adhere to any predefined maintenance schedule.

All data in your system: **EntriWorX Integrate**

- Integration of door data into smart building operations systems
- Holistic insights across eco-systems to maximize the value of door insights



Our services.

For your peace of mind.

We take care of safe access to your building: from planning to installation to ongoing operations – and beyond.

Increase the product longevity

With over 150 years of experience as a manufacturer, we contribute our unique expertise to ensure the smooth operation of your access points: for automatic doors, access control, door hardware and everything related to the door.

Operate building solutions securely

Secure access and a positive user experience throughout the site are a top priority for owners, users and investors – whether it's hotels, hospitals, shops, airports or offices.



Your service benefits at a glance:



Quick help – we provide quick, hassle-free assistance in case of malfunctions.



More cost-effectiveness – regular maintenance increases the product longevity of your systems and thus saves time and money.



High level of security – through regular maintenance, we actively prevent potential malfunctions, downtimes and, therefore, danger.



Legal certainty – We provide competent support in fulfilling your obligations as a building operator.



Maximum comfort – smooth people flow for a positive user experience.



Increased building value – utilise modernisation for even greater convenience, efficiency and sustainability.



Comprehensive service.

We support you in all building phases and throughout the entire product lifecycle. You can contact us 24/7 in the event of malfunctions.

Maintenance contract security.

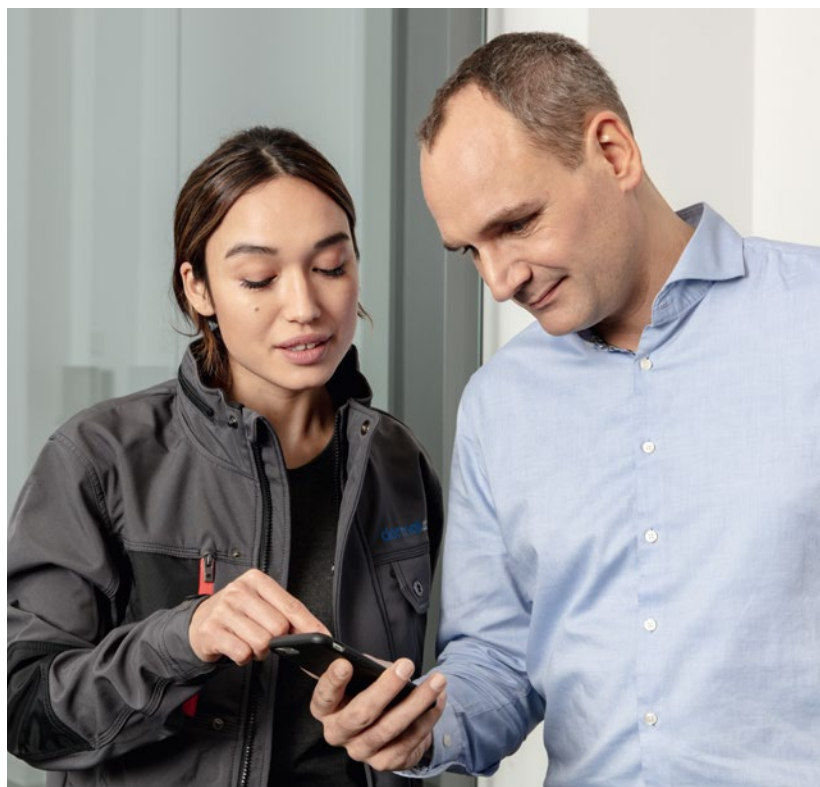
As a maintenance customer, you benefit from regular checks and thus from fewer malfunctions and greater reliability. You also receive exclusive conditions and individual modernisation proposals.

The greatest possible cybersecurity & compliance.

In addition to your hardware, we also keep your software for access and time up to date. This ensures that your systems work smoothly and remain protected from cyber attacks.

Intelligent maintenance of the future.

We're driving digitalisation in service and developing tools that enable comprehensive data analysis and thus even more on-demand maintenance. Would you like to learn more?



Contact us.

We're here for you.

dormakaba.com/service



Sustainability How do we see our world?

With full responsibility



Sustainability is something that can be built in. Throughout our entire value-creation chain, we harmonise economic, ecological and social responsibility. The result: The future is already contained within all our solutions today.

An environmental product declaration (EPD) is a prevalent industry standard developed as per international standards ISO 14025, 14040, 14044 and European standard EN 15804. EPDs create transparency throughout the entire life cycle of a product. With an EPD, environmental impacts on the level of the product or product group can be documented. As part of our commitment to contributing to environmentally friendly buildings, we became a member of the German Institute of Building and the Environment (IBU), our partner in creating EPDs, in 2010.

More information on our commitment to sustainability and our EPDs from the product areas

- Door hardware
- Entrance systems
- Electronic access & data
- Mechanical key systems

can be found here:

www.dormakabagroup.com/en/sustainability



Sustainability as a factor for success.

If you'd like to be a trusted industry leader, you have to utilise transparent reporting and recognised product declarations. With us, you know you get longevity in every regard. To continually improve ourselves, we seek open and transparent dialog with every stakeholder group – that means you.

Certification and declaration.

We know how important the environment is. Building certification systems are an important factor in the global construction industry. We support the requirements of the building certification systems by providing an extensive portfolio.

Plan with an eye to the future.

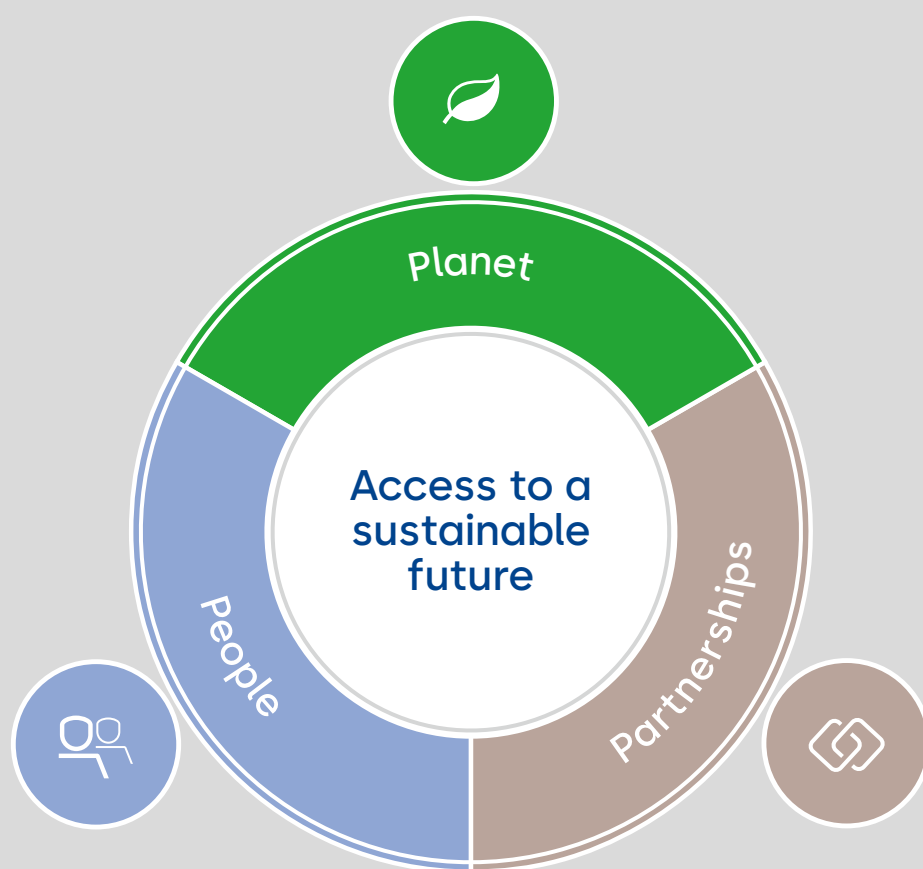
Today, sustainable construction requires flexible product solutions. With our module access solutions, you're not only able to save resources, but also improve the wellbeing of the people who use the buildings.

The pleasure of saving energy.

Thanks to our well-thought-out product systems, barrier-freedom can be combined with thermal separation. For instance, automatic sliding doors have excellent insulation values thanks to improved thermal separation of the profiles. Reducing energy consumption is sustainability in practice.



Strategic framework for sustainability



People

We enable our employees to reach their full potential



Planet

We're opening the doors up wide for a low-CO₂ recycling economy



Partnerships

We work together to promote sustainable development beyond our own front doors

Our contribution to the UN goals for sustainable development

Purpose	Essential topics	Key objective	Contribution to SDGs				
We create a fair, integrative and safe corporate culture which enables our employees to be successful. We offer them a workplace where they can continually develop, contribute their ideas openly and be proud of their accomplishments.	– Fair employment – Training/education – Diversity and inclusion – Work safety and health protection	One in three managers is a woman <table><tr><td>Target year</td><td>2027</td></tr><tr><td>Reference year FY 20/21</td><td>19 %</td></tr></table>	Target year	2027	Reference year FY 20/21	19 %	
Target year	2027						
Reference year FY 20/21	19 %						

Purpose	Essential topics	Key objective	Contribution to SDGs										
We develop innovative and resource-efficient solutions for the recycling economy and do our part for a climate-resilient future. We offer long-lasting, energy-efficient products which help our customers to achieve their own sustainability goals.	– Energy and emissions – Recycling economy and materials – Compliance with environmental regulations	Reduction in operating emissions by 42% in accordance with a 1.5° future <table><tr><td>Target year</td><td>2030</td></tr><tr><td>Reference year FY 20/21</td><td>74,770 mt CO₂e*</td></tr></table> Reducing the emissions of the value-creation chain for purchased goods and services, as well as with the use of purchased products by 25% <table><tr><td>Target year</td><td>2030</td></tr><tr><td>Reference year FY 19/20</td><td>1,197,848 mt CO₂e*</td></tr></table> All new product developments and optimisations are covered by our recycling approach <table><tr><td>Target year</td><td>2023</td></tr></table>	Target year	2030	Reference year FY 20/21	74,770 mt CO ₂ e*	Target year	2030	Reference year FY 19/20	1,197,848 mt CO ₂ e*	Target year	2023	
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Target year	2023												

*Reference year FY 2019/2020 in accordance with validation of the Science-Based Targets Initiative

Purpose	Essential topics	Key objective	Contribution to SDGs				
We lead with a good example and are committed to advancing more environmentally friendly practices and supporting the protection of human rights together with our partners. With our secure access solutions, we're also contributing to the health and safety of people. We work together with partners to raise awareness of the safe handling of our products.	- Human rights - Customer health and safety - Development of our own sustainable supply chain	External evaluation of all high-risk suppliers with regard to their sustainability management or terminating cooperation should participation be lacking <table><tr><td>Target year</td><td>2027</td></tr><tr><td>Reference year FY 20/21</td><td>10%</td></tr></table>	Target year	2027	Reference year FY 20/21	10%	
Target year	2027						
Reference year FY 20/21	10%						











Our Sustainability Commitment

We are committed to foster a sustainable development along our entire value chain in line with our economic, environmental and social responsibilities toward current and future generations.

At dormakaba, we are dedicated to find sustainable solutions that reduce the environmental impact of both our operations and our products. To ensure transparency regarding our products' environmental impacts, we offer credentials such as Environmental Product Declarations (EPD), Health Product Declarations (HPD), and Recycled Content Certificates. These sustainability-related credentials provide insights into energy efficiency, material composition, recyclability, and compliance, empowering our customers to make informed choices and support their own sustainability objectives.

Download our sustainability-related product declarations and certifications here: <https://www.dormakabagroup.com/en/sustainability/product-declarations>



Our offering

Access Automation Solutions

Entrance Automation
Entrance Security



Access Control Solutions

Electronic Access & Data
Escape and Rescue Systems
Lodging Systems



Access Hardware Solutions

Door Closers
Architectural Hardware
Mechanical Key Systems



Services

Technical Support
Installation and commissioning
Maintenance and Repair



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