Plan access efficiently

Door solutions for your building.

dormakaba

When it comes to construction, there are a lot of requirements. We help to expand your options.

Some people may find the legislation, standards and building supervision of construction restrictive. Not us. With well-thought-out access and room systems, we ensure more freedom in planning and guaranteed results.

Glass systems in open-space offices help to create a more productive environment.

Openness with more security – glass and electronic access control.

Double the company, double the expertise: each with over 100 years of experience, innovation and continuous development, Dorma and Kaba merged in 2015 to become dormakaba and now offer sophisticated access and partition systems that combine stability and flexibility, and ensure future-proof security, control and management thanks to digital integration. Today, dormakaba is the go-to provider for significantly improving movement within your building. With creative room partitions, you can create a new way of working together while protecting important company values and ensuring seamless cohesion between fire and smoke protection, emergency exit and escape routes and the surrounding architecture. We are your competent partner from initial consultation right up to maintenance of your systems. Open the door to the possibilities.

Every building can adapt flexibly to the requirements of tomorrow with smart room systems.

Conventional industrial architecture can be changed. Open the door to new ideas and intelligently designed shopping areas, hotels and service centres.

Facades
First impressions are important, as are barrier-free access and emergency exits. Contemporary glass facades can achieve more with integrated door solutions, perfect for offices, hotels, hospitals, shopping centres and public buildings.

Staircases and corridors
Various set-ups can help to improve a building's fire protection as well as emergency exit and escape routes. Escape routes can even be set out in two directions. Safety doesn't have to be restrictive.

Get your building moving: find the perfect door for you.

Interior design
From co-working to large corporations, floor plans are becoming more flexible across all security levels. Equipped with smart access systems, sliding and swing doors help create perspective for office buildings, hotels, social facilities and hospitals.

Shopping areas
Glass doors and glass walls are vital in commerce. Goods can be displayed in their best light and shop floors can stretch out seamlessly without barriers and thresholds, ensuring that both people and goods are completely protected.

Basements
Smart, robust technology ensures more safety and control when accessing basements without compromising on fire and smoke protection or the protection of sensitive devices and data in technical rooms.

A building is more than just material. It's a combination of all the people inside too. What's important is not the property itself, but rather the constant mobility within its spaces. Modern doors and walls can be adapted to the requirements at hand, helping to both create atmosphere and security and promote productivity and openness, all while complementing emergency protocol. To achieve this, our systems are smarter, more robust and more flexible than ever before.

Consistently designed: 33 door solutions.

Solutions

NOTE: All illustrations included in this brochure are system examples and are used for cross-component illustration purposes. They are not technical documents. If you have any queries, please contact your dormakaba contact partner.


HYATT
REGENCY

Facades

Every building has a face. That face should be friendly and exude security. Openness is a part of a building's character, displayed at every entrance, but open doesn't have to mean insecure. There are many contrasting requirements at play – dormakaba access systems meet them all, and they do it seamlessly.

Facades

main entrance and escape route

Barrier-free, elegant entrance to heavily frequented large buildings. Consistently functional: the FST FLEX Green double-leaf escape route sliding door. Energy-saving combined with access control and digital security.

Requirement:
Access to shop areas, whether individual units or centres, must be effortless for all customers, even at times of busy foot traffic in both directions. In emergencies, the sliding door must also be a standard-compliant escape route, with doors that open even in the event of a power failure. Tested components (U value) and precision door closing must be employed to support the requirements relating to the building's thermotechnical properties and energy efficiency. An electronic access control for defined permissions is integrated into the door system.

Solution:
The FST FLEX Green escape route sliding door works as a universal main entrance. Thanks to prompt opening and obstruction recognition, it helps regulate foot traffic while the security software monitors both the static and dynamic movement of the door leaf. The DualDrive motor is fail-safe and opens in emergencies without a power supply thanks to its battery. The sliding door also impresses day-to-day with its high energy efficiency: the improved thermal separation is in line with EnEV [Energy Saving Ordinance]. With door components for access control and the related locking device, the door can be expanded and can be controlled using the dormakaba access management system.

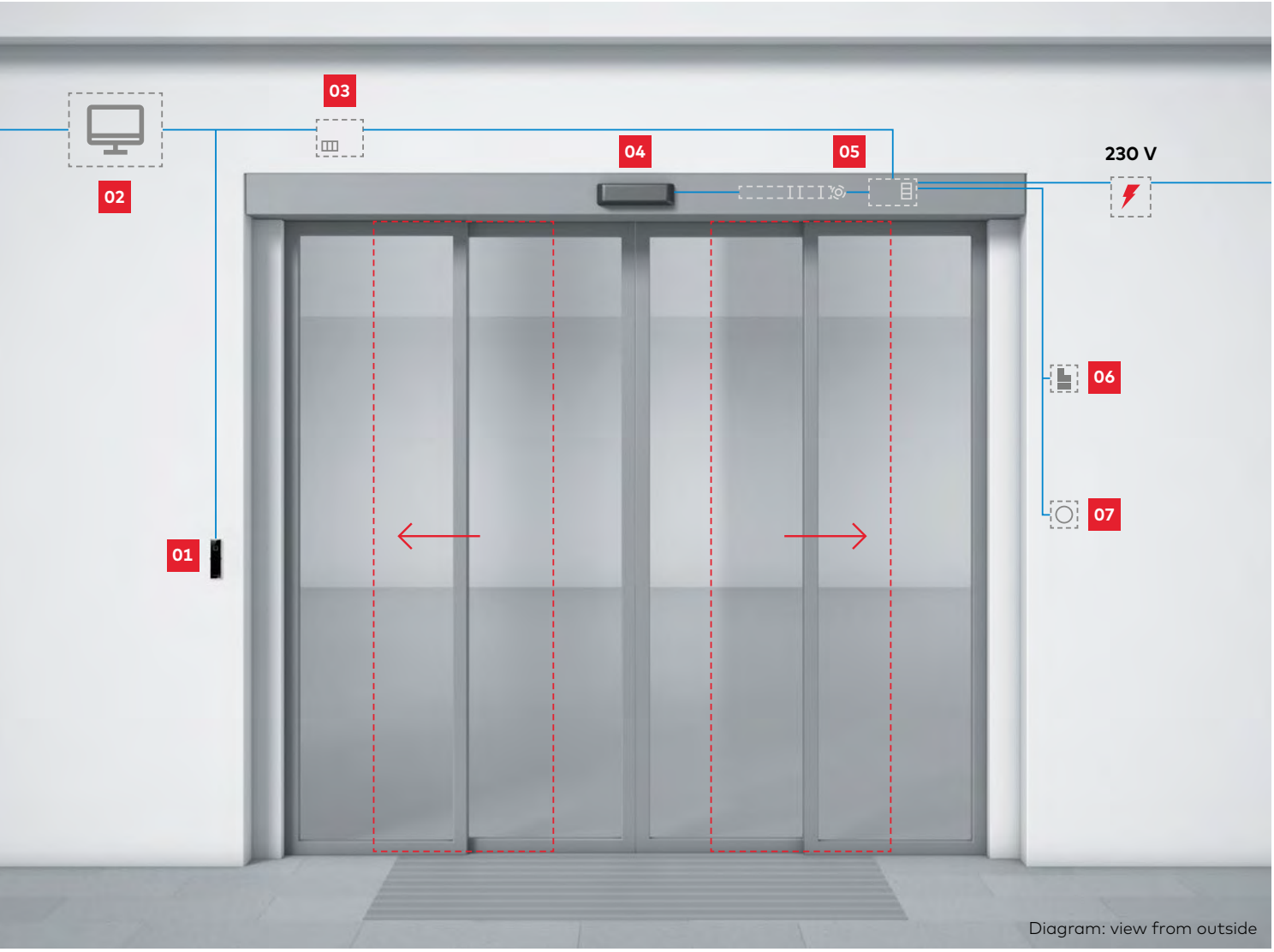


Diagram: view from outside

Compact reader 91 04
Small and subtle. Hold card, key ring or key with RFID on reader and enter. Approval signalled with light and sound.

Access manager 92 30
Can be connected directly to two dormakaba compact readers or registration units. Power supply can be established fully using Power over Ethernet (PoE).

Emergency door-open push button TL-NC S 55 FIA
Emergency button is illuminated with optical display of locking device status, optical and audible alarm with flashing LED display

Product overview

01 Compact reader 91 04
02 Access management software according to requirements
03 Access manager 92 30
04 Security and radar pulse output (inside and outside)
05 ES 200 FIA escape route sliding door operator
06 Program selector
07 TL-NC S 55 FIA emergency door-open push button (electromagnetic locking device)

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 1

✓	Fire protection
✓✓	**Barrier-free design** | According to DIN 18040
✓✓	**Escape route/escape route security** | According to EnEV, AutSchR [Guideline on automatic slide door escape routes]
✓✓	**Access control**
✓	Intruder detection
✓	Interior design
✓	Emergency opening
✓✓	**Service** | Installation, commissioning and maintenance

Safety in **use:** DIN 18650/EN 16005 AutSchR | Protection **quality:** Splash-proof protection to IP66

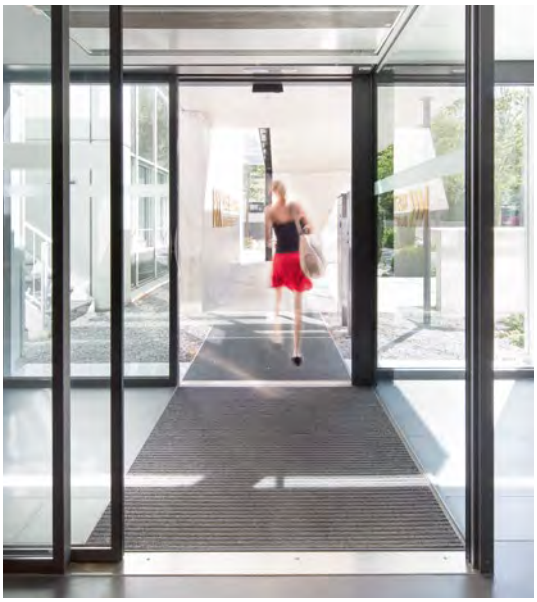
Facades

Main entrance: vestibule, escape route and break-in protection.

Subtle design without compromising on protection against burglary and vandalism. Protection classes WK2/RC2 have been tested and proven. Enter safely with electronic access control and leave quickly via the certified escape route.

Requirement:
Every administration building, bank and supermarket needs access solutions without actual visual barriers. Alongside openness, these door systems must comply with the standard classes of protection. What's more, these solutions must integrate access controls with registration units or card readers into the door system for defined areas and user groups. In an emergency, the secure door must also become an escape route.

Solution:
The electronic FST FLEX SECURE escape route sliding door invites customers thanks to its slim aluminium profiles and large glass surfaces. It also provides a high level of protection against burglary due to the four-way locking device in the door leaf, leverage protection, hook profiles, stainless-steel underfloor rail and burglary-resistant glass of resistance class P4A. The reliable, redundant control unit also ensures a safe escape route. The access control is set up using a registration unit perfectly calibrated for RFID cards or via a PIN keypad.



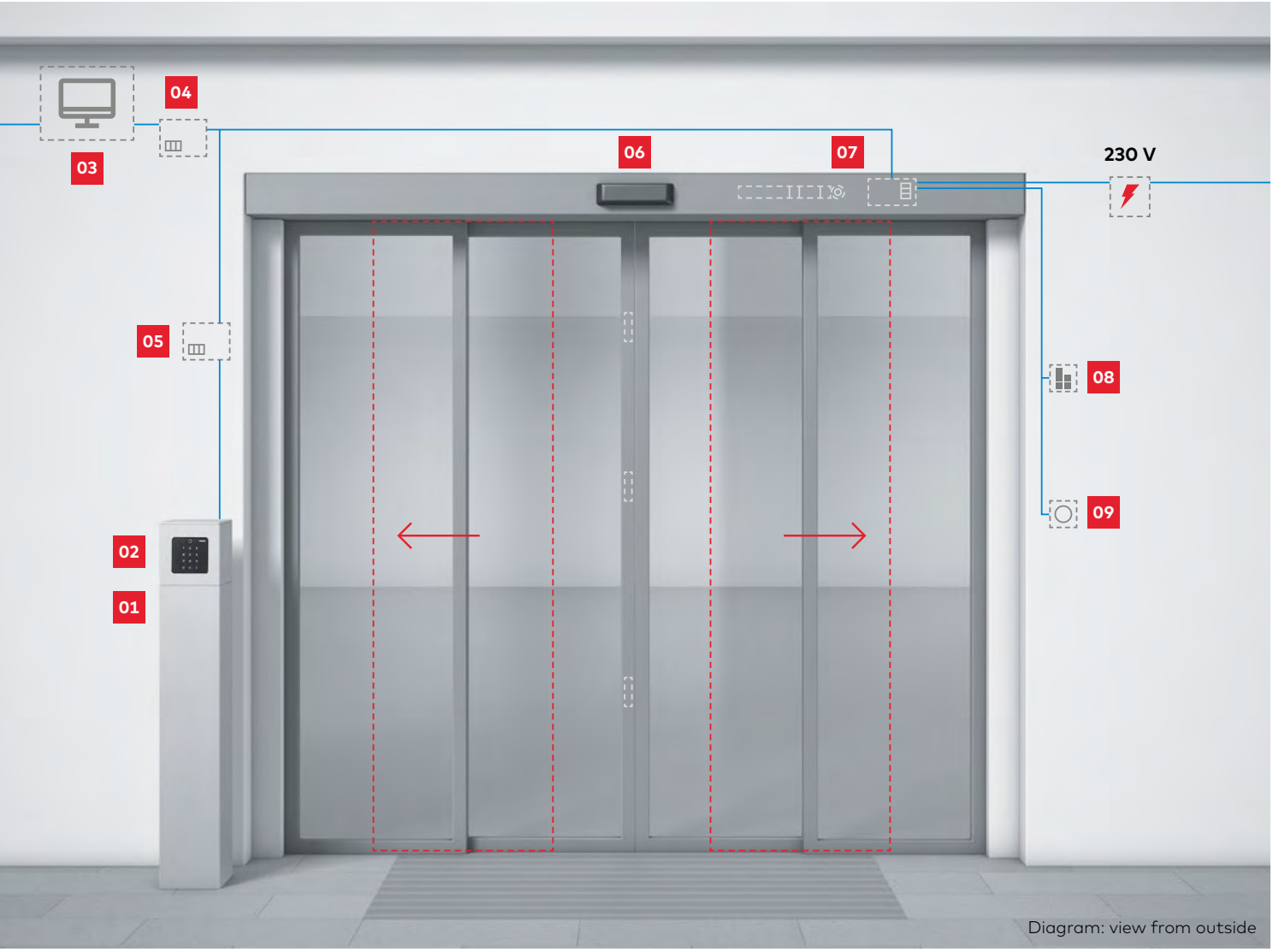


Diagram: view from outside

Registration unit 90 02
Installed on AISI 304 stainless-steel columns with removable inspection port for installing on-site components (max. installation dimensions H = 170/W = 140/D = 150).

Automatic sliding door operator ES 200
The ES 200 is a modular-design sliding door operator that can be adapted to precisely fit the functional requirements.

Program switch EPS-FST
Fully electronic program switch in System 55 design, 5 positions, lockable with coding or additional TL-ST S55 key switch.

Product overview

01 Card reader columns CRP-E03
02 Registration unit 90 02
03 Access management software according to requirements
04 Access manager 92 30
05 Remote reader 91 15
06 Security and radar pulse
07 Drive + escape route control (ES 200 2D): FST FLEX SECURE automatic escape route sliding door
08 Program selector EPS-FST
09 Door-open push button (night mode)

Specifications and classifications for solution 2

✓	Fire protection
✓	**Secondary closing edge guard according to BS EN 16005**
✓	**Barrier-free design** | According to DIN 18040
✓	**Escape route/escape route security system** | Type approval as per the German guidelines for automatic sliding doors in escape routes (AutSchR)
✓	**Access control**
✓	**Intruder detection** | Break-in protection according to RC-2 | Tested according to EN 1627–1630 | Tested glass according to BS EN 356, resistance class P4A | Insulating safety glass 22-mm VSG, mono safety glass 10-mm VSG
✓	Interior design
✓	Emergency opening
✓	**Service** | Installation, commissioning and maintenance

✓ Available
✓ Available as an option
✓ Not available

Facades

ST Flex Green Secure – energy efficiency and security in an elegant design.

The ST FLEX Green Secure sliding door is an energy-saving sliding door with Environmental Product Declaration (EPD) and break-in/vandalism protection.

The door meets the guiding values under EnEV 2016 and features extremely slim profiles and improved thermal separation. The improved thermal separation provided by the profiles results in extremely good insulation values, enabling even unfavourable frame sizes to meet the increasingly strict guiding values of the EnEV 2016 energy-saving regulation.

The ST Flex Green Secure also provides tested break-in protection, offering extreme stability with its reinforced door leaf edges. WK2/RC2 class of protection is proven through test record according to EN 1627ff.

The ST Flex Green Secure also allows you to achieve transparent, barrier-free entrance solutions without the stress. The profile system is tested for a minimum service life of one million operating cycles and approved as an emergency exit and escape route according to DIN 18650, EN 16005 and AutSchR.

- Complies with the EnEV 2016 energy saving regulation
- UD values from 1.4 to max. 1.8 W/m²K
- Minimised visible widths of the profiles
- Certified thermal insulation values in accordance with EN ISO 10077
- Sustainable, energy-saving solution
- Environmental Product Declaration (EPD)
- Certified break-in protection, class WK2/RC2
- Sturdy 4-point locking device on main closing edge
- Universal leverage protection for door leaf

Areas of application
- Exterior doors
- Indoor or outdoor sliding door solutions that require particular protection against break-ins and vandalism (e.g. pharmacies, jewellers, banks)
- Vestibule solutions
- Reconciliations in all kinds of public buildings

Maximum door dimensions
(Please note door-leaf weight and technical boundary conditions)
- Maximum system width: 6,250 mm
- Maximum clear passage width: 3000 mm
- Maximum clear passage height: 3000 mm

Additional features/options
- Floor locks
- Midrails
- Recessed installation
- Safety screen
- Various electromagnetic locking devices

Design available with or without side screen

Facades

revolving door with side-by-side automated and barrier-free entrance

Smooth, efficient and secure access movement thanks to revolving door: this increases the traffic capacities in both directions. The system reduces draughts and helps retain heat within the building. The additional swing door is part of the system, providing barrier-free access and regulating the escape route to create a smart system.

Requirement:
The entrance must be open to customers directly while remaining secure at all times. The interior area should also feature its own climate, separate from the exterior, even at times of heavy foot traffic. People with a disability should also be able to have barrier-free access through the entrance.

Solution:
Revolving doors are ideal for hotels, banks, service centres and public administration buildings with state-of-the-art mechanics, digital integration and construction. A separate door serves as an additional entrance – barrier-free for people with disabilities – and can be used as an escape route in the case of emergency.

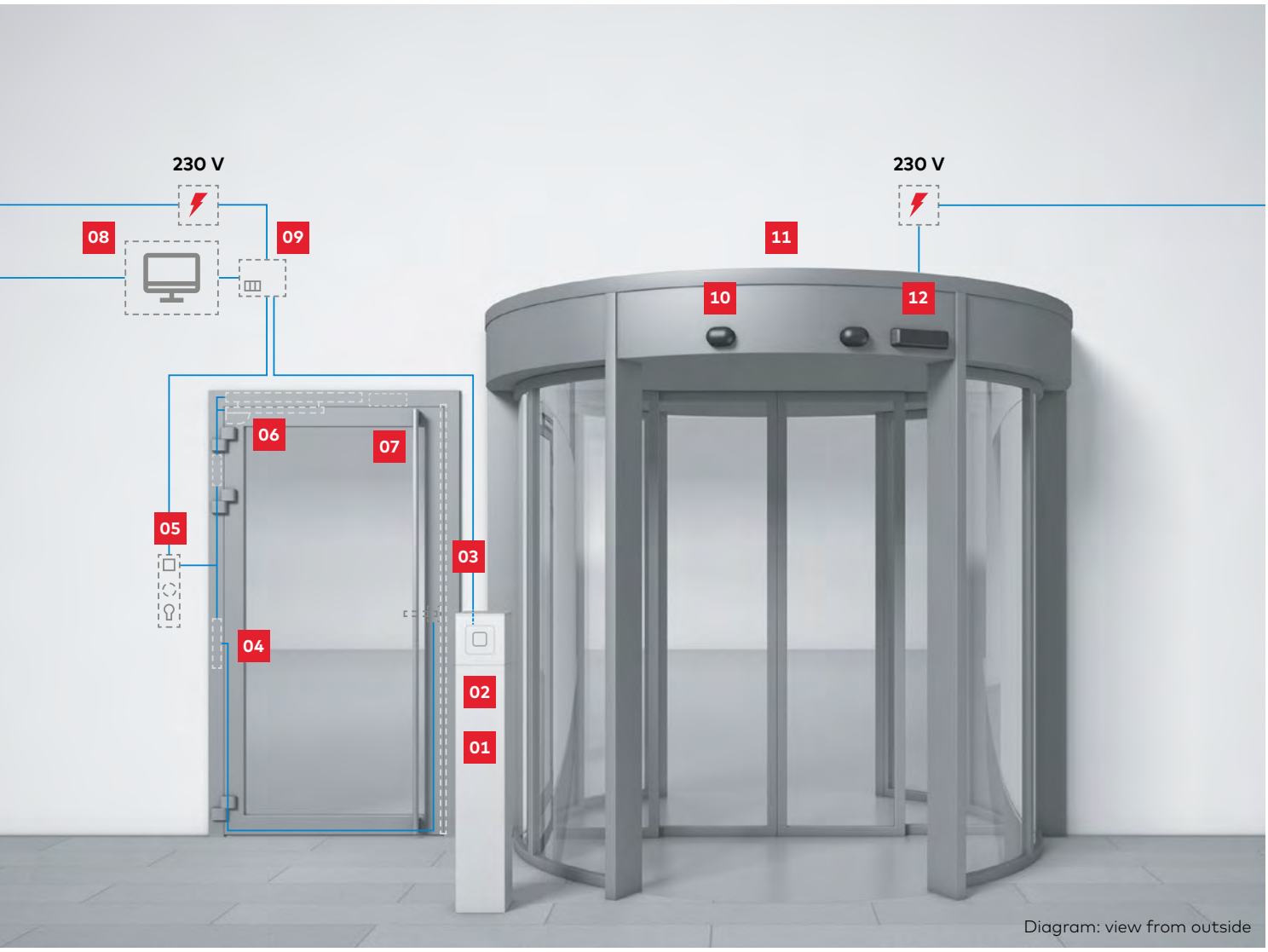


Diagram: view from outside

Registration unit 90 01
Identifies authorised personnel using their RFID card with approval/rejection signalled with flashing light and sound.

Swing door drive ED 100/250
The modern ED 100/250 swing door drives are easy to operate and flexible in use.

SafeRoute escape route security system
Monitors and controls the locking device. Unlocks the door in case of danger. The integrated light ring provides information on the status at all times.

Product overview

01 Card reader columns CRP-E03
02 Registration unit 90 01
03 M-SVP 2200 multipoint emergency-escape lock with automatic locking action and dormakaba fail-safe locking cylinder
04 Detachable cable loop KÜ-480 and LK 12
05 SafeRoute AP door terminal escape route security system with flexible licensing model
06 ED 100/250 swing door operator with Flatscan
07 Door locking device STV 500
08 Access management software according to requirements
09 Access manager 92 30
10 Radar activator
11 Revolving door KTC 2
12 Security sensor

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 3

✓	Fire protection
✓✓	**Barrier-free design** | According to DIN 18040
✓✓	**Escape route/escape route security system** | According to EN 179 and EN 13637 | Corresponds to EltVTR (German directive for electrical locking systems on escape route doors) for electrical escape route security systems
✓✓	**Access control**
✓	Intruder detection | Optional break-in protection according to RC-2
✓	Interior design
✓	Emergency opening
✓✓	**Service** | Installation, commissioning and maintenance

Safety in use: DIN 18650/EN 16005 | Protection quality: splash-proof protection to IP54

Facades

Swing door as entrance door with automatic opening and access control.

A modern revolving door drive adapts to requirements. It is compact, powerful and digitally integrated for smart access control.

Requirement:
A swing door is not a stand-alone structure, it's a part of the door system. It combines design and function. It also integrated access control seamlessly into the door system. The swing door drive must be able to cope with all types of physical loads during everyday use. To adapt it to the various requirements and space situations, this drive should be modular in design.

Solution:
The ED 100 and ED 250 swing door drives boast impressive performance with the smallest dimensions. They also work audibly in the background. Thanks to the servo-support, opening even large doors for manual access is easy-peasy. The active wind load control, Force Balancing Technology and Initial Drive Control also help to extend the service life meaning more reliability, even for doors up to 400 kg in weight. Equipped with an integrated smoke detector, the drive is also suitable for fire doors or can be integrated into SafeRoute escape route security systems. The access control is also part of the system with a subtle registration unit and tamper-proof control unit. Smaller companies benefit from browser-based access management, exivo. Modular design ensures security at each automated entrance door.

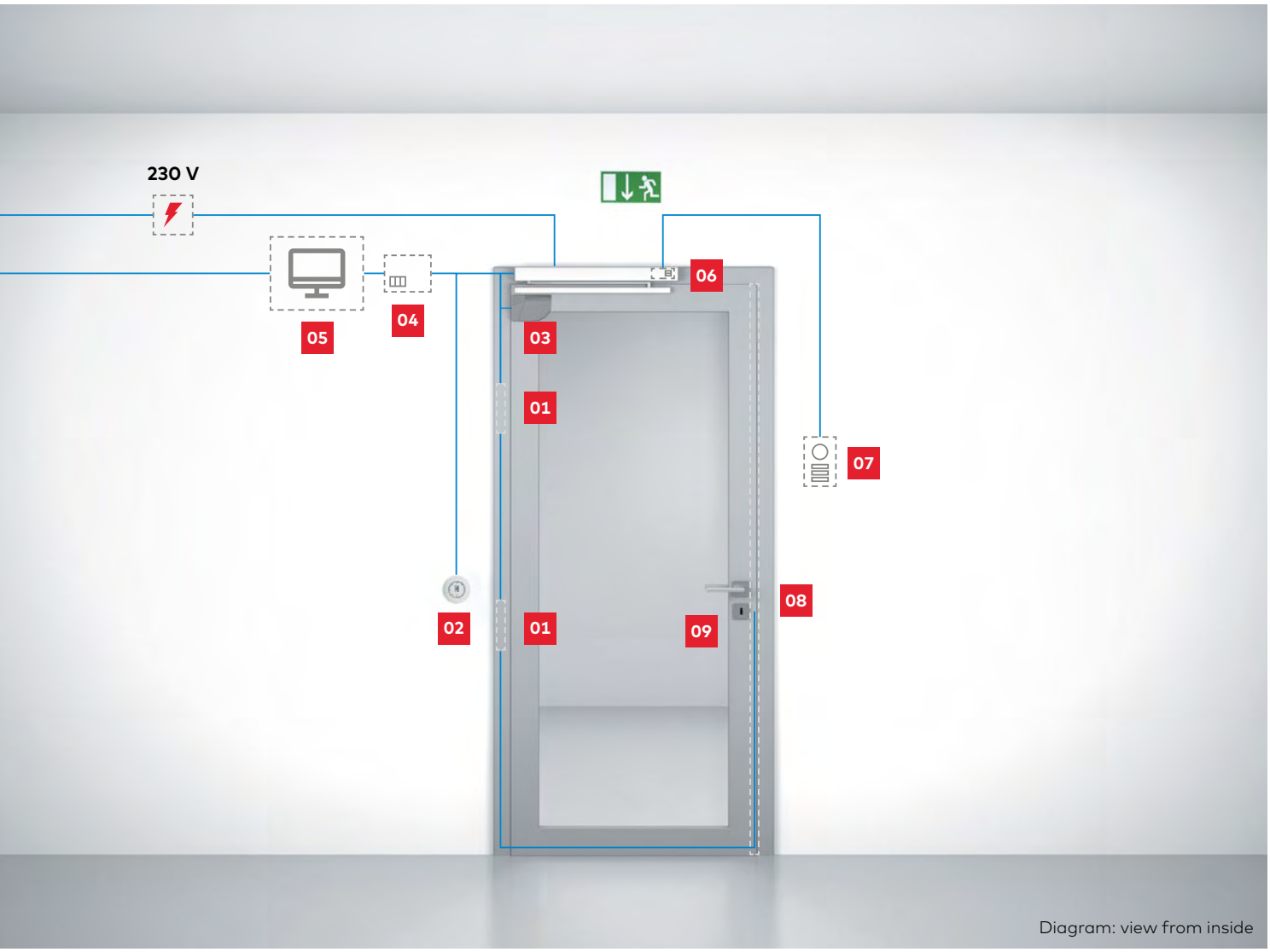
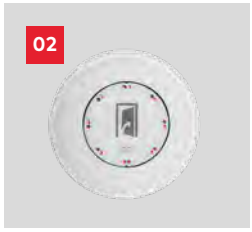


Diagram: view from inside



LED sensor push button
The LED sensor push button controls the automatic door opening as the manual activator.

Flatscan
laser scanner and safety sensor.

Swing door drive ED 100/250
The modern ED 100/250 swing door drives are easy to operate and flexible in use.

Product overview

01 Detachable cable loop KÜ-480 and LK 12
02 LED sensor push button
03 Flatscan safety sensors
04 Access manager 92 00
05 Access management software according to requirements
06 ED 100/250 with extended cover and integrated remote reader 91 15 + DCW® upgrade card
07 Registration unit 90 00, integrated in an intercom module (Behnke, Siedle)
08 Multipoint motor lock with automatic locking action and emergency escape function: M-SVP 2200
09 Kaba star cross locking cylinder

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 4

✓	**Fire protection**
✓	**Barrier-free** design | According to DIN 18040
✓	**Escape route/escape route security system** | Emergency exit and escape door according to EN 179 and optionally EN 1125
✓	**Access** control
✓	**Intruder detection** | Break-in protection depending on approval
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

Safety in use: DIN 18650/EN 16005

Facades

Entrance door: self-closing with access control

Mechanically and digitally controlled: The TS 98 XEA slide-channel door closer handles door leaves up to 1,400 mm wide and offers barrier-free user convenience for door-leaf widths up to 1,250 mm. Self-closing even from an 180° opening angle. Completely functional with integrated access management.

Requirement:
A universal door closer should be suitable for all four installation options. The closing force must also move wide doors. The door closing should be as silent as possible. Even at an opening angle of 180°, the door must be able to close automatically. The barrier-free design must be in line with the standards. Access control should be an integral part of the door system.

Solution:
The TS 98 XEA gives manual doors on building entrances a reliable mechanical closing function, ideal for banks, care homes, student accommodation or hotels. The slide-channel door closer moves door leaves up to 1,400 mm wide and weighing 300 kg. The technology can be adjusted with four installation options and features an additional closing force adjustment from the front side. Closing is gentle and almost completely silent thanks to SoftFlow. With the tried-and-tested EASY OPEN technology and standard delayed closing, barrier-free entrances can be achieved in line with standards. Access control is integrated and can be adapted to all company sizes with subtle registration units and a control unit – and for even more efficiency, you can use the browser-based Matrix One access control. Emergency unlocking is also part of the security concept using a mechanical locking system and/or locking cylinder.

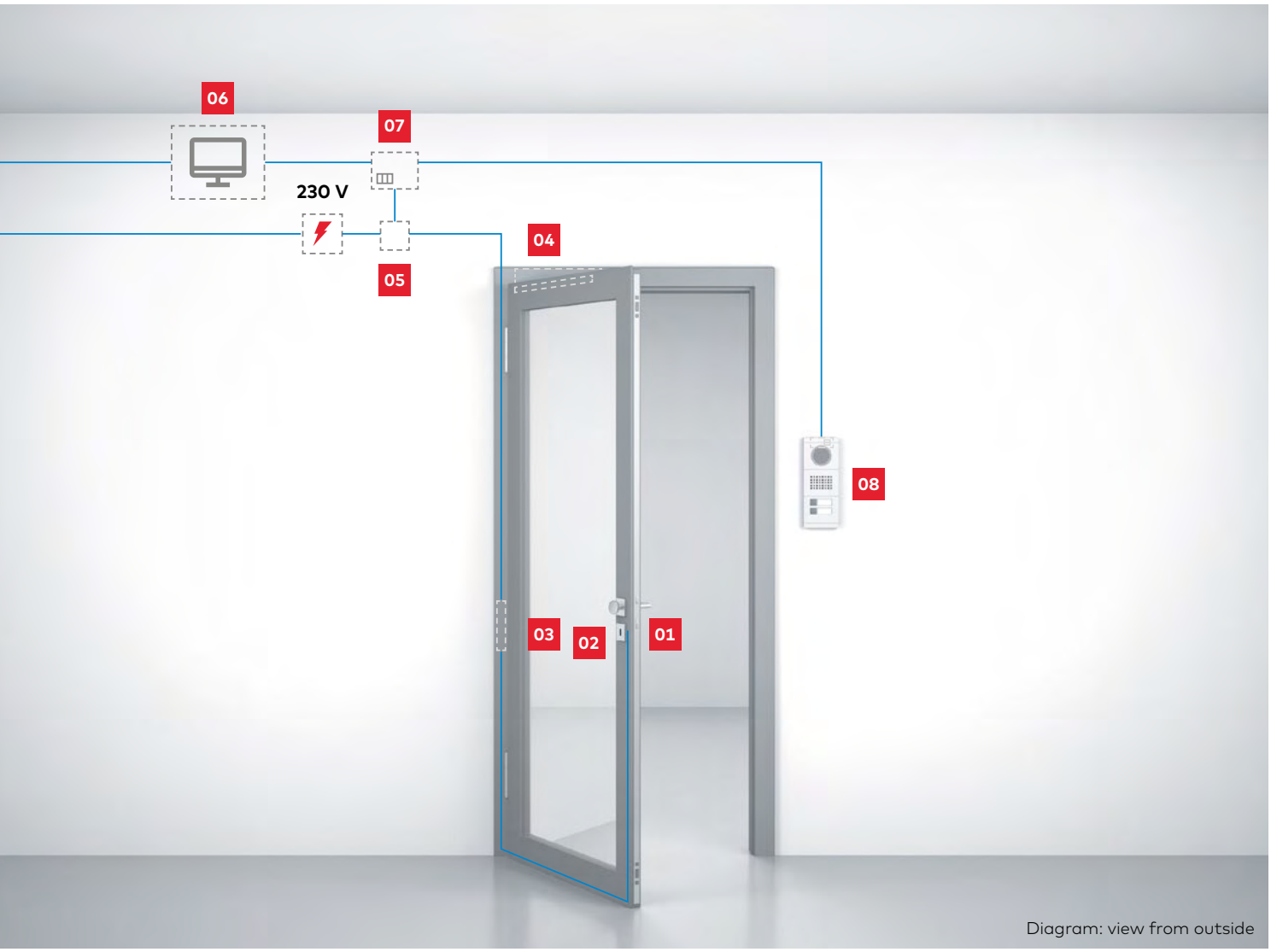


Diagram: view from outside

M-SVP 2200
multipoint motor lock with emergency-escape function and automatic locking action. Can be integrated directly into dormakaba escape route security system using BUS communication without additional control unit.

TS 98 XEA
The TS 98 XEA slide-channel door closer thereby fulfils the high requirements of quality, comfort and design.

Access management software
According to requirements: manage your time and access permissions with ease with solutions from dormakaba.

Product overview

01 Multipoint motor lock with automatic locking action and emergency escape function: M-SVP 2200
02 Kaba star cross locking cylinder
03 Detachable cable loop KÜ-480 and LK 12
04 TS 98 XEA, slide-channel door closer
05 SVP-S motor lock control unit for all relevant functions
06 Access management software according to requirements
07 Access manager 92 30 for connecting 2 compact readers or registration units
08 90 00 registration unit integrated in an intercom module (Behnke, Siedle)

Specifications and classifications for solution 5

✓	Fire protection
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	**Escape route/escape route security system** | According to EN 179
✓	**Access control**
✓	**Intruder detection** | Break-in protection up to RC4 depending on approval
✓	Interior design
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

✓ Available
✓ Available as an option
✓ Not available

Facades

High-security nursery doors

The combination of a controlled rotary door drive and emergency escape motor lock optimises access for parents and educators and keeps the children secure. In an emergency, everyone can safely leave the building.

Requirement:
The requirements for a nursery door are high. Free access to the building should only be possible during pre-defined peak times. This prevents uncontrolled entry by unauthorised persons on the one hand, and unauthorised exiting from the secure area by wards on the other hand.

Solution:
SafeRoute system with swing door drive ED 250, M-SVP 2200 multipoint motor lock and registration unit on the outside of the door. Parents have free access when dropping off and picking up their children. Otherwise, the door stays closed. Only authorised personnel with an access medium have access from outside. From inside, the door can be opened using a door-open push button out of the reach of children. In emergencies, children and nursery staff can escape using the emergency button in the SafeRoute terminal.

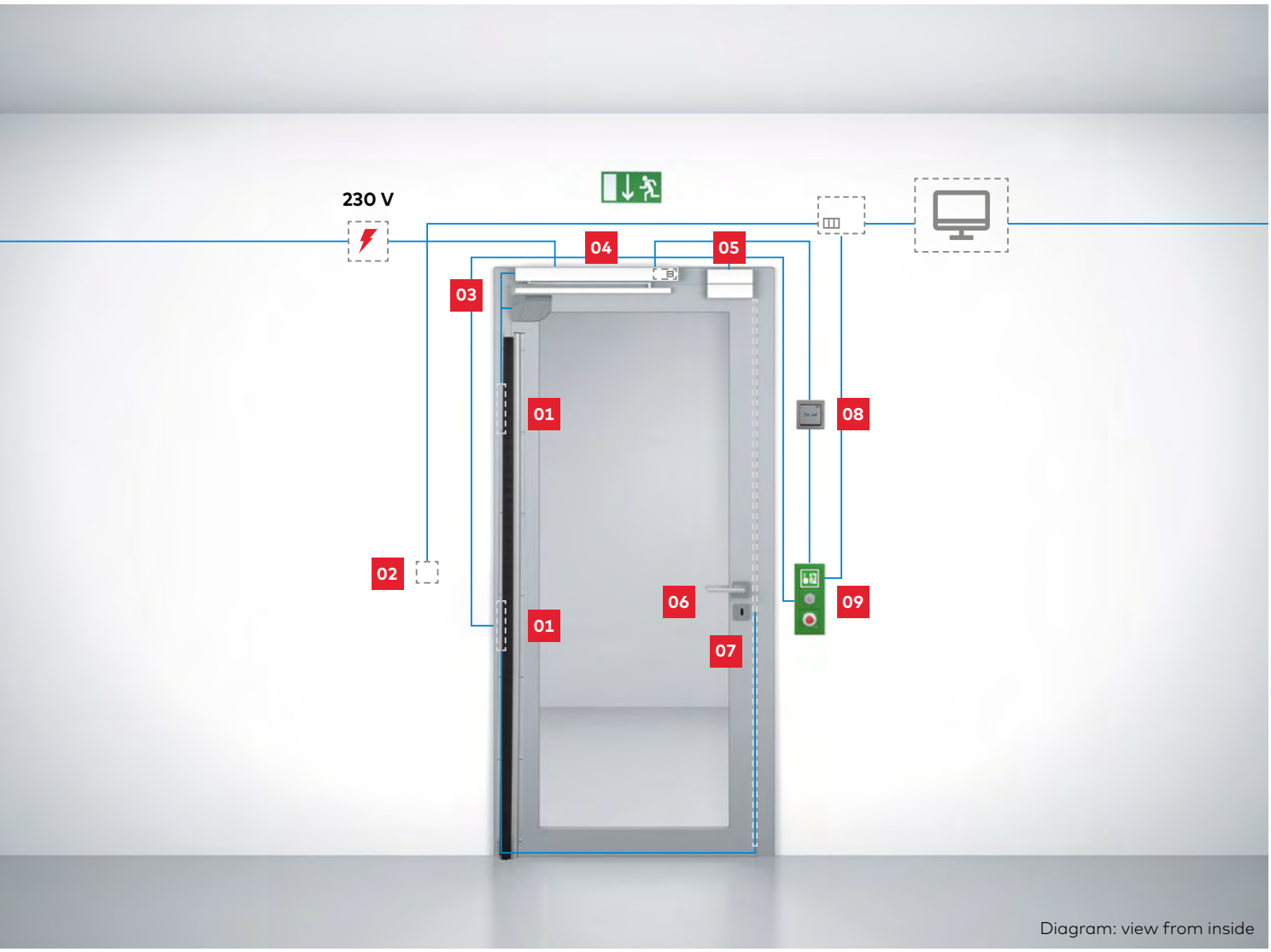
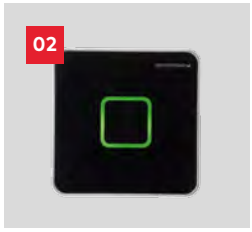


Diagram: view from inside



Registration unit 90 01
The registration unit 90 01 has an innovative design in elegant high gloss and stands out due to its compact form.

Swing door drive ED 250
Practically invisible and hardly makes a sound. Its subtle Power Assist power creates real barrier-free access.

SafeRoute escape route security system
Monitors and controls the locking device. Unlocks the door in case of danger. The integrated light ring provides information on the status at all times.

Product overview

01 Detachable cable loop KÜ-480 and LK 12
02 Registration unit 90 01
03 Flatscan safety sensors
04 ED 250 for doors up to 1,600 mm wide and weighing 400 kg
05 STV 1xx/2xx door-locking device and TV-Z1xx fixing bracket
06 Multipoint motor lock with automatic locking action and emergency escape function: M-SVP 2200
07 Kaba star cross locking cylinder
08 Door-open push button
09 SafeRoute UP escape route security system with flexible licensing model.

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 6

✓	Fire protection
✓✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓✓	**Escape route/escape route security system** | According to EN 179 | EltVTR for electrical escape route security systems | Complies with EN 1125 for panic doors with horizontal push bar
✓✓	**Access control**
✓✓	**Intruder detection** | Break-in protection depending on approval
✓	Interior design
✓✓	**Emergency opening**
✓✓	**Service** | Installation, commissioning and maintenance

Safety in use: DIN 18650/EN 16005

Facades

Double-leaf escape route door for large buildings.

Stable closure and rapid emergency opening can be challenging for the mechanical control unit on double-leaf doors. The rebates join at several points without jamming. They are released by a push bar with a panic hardware fitting or emergency push button.

Requirement:
In buildings with large crowds, double-leaf doors provide a secure escape route in cases of emergency. In standard operation, the SafeRoute system ensures that the door can be accessed from outside using a key switch while preventing mishandling and misuse.

Solution:
The door is easy to use and understand for people evacuating, avoiding panic and hold-ups. The door unlocks immediately using the clearly displayed emergency button on the SafeRoute terminal. The escape route door is immediately unlocked and opens by pushing the panic push bar. What's more, the facility operator can even react to door misuse thanks to status information. The M-SVP 5500 self-locking multipoint emergency escape lock ensures increased break-in protection with the automatic locking mechanism activating at three points immediately after closing. The closing sequence control of the TS 98 XEA door closer causes the two rebates of the door leaves to interlock without jamming.

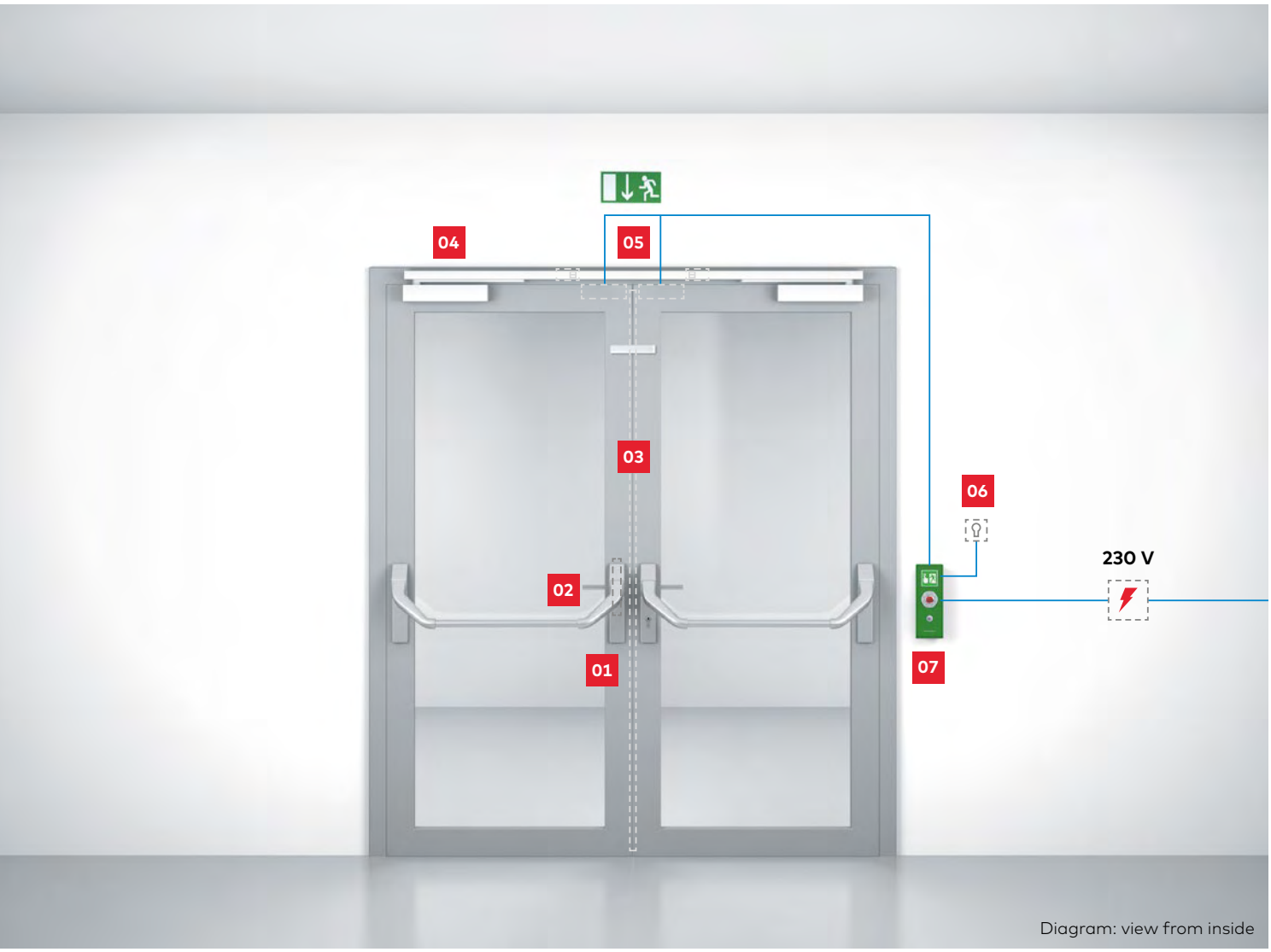


Diagram: view from inside

dormakaba penta cross locking cylinder
Boasts extremely high protection against the most common opening methods and criminal key-copying.

TS 98 XEA GSR B
door closer with door coordinator for 2 door leaves in XEA design.

SafeRoute escape route security system
Monitors and controls the locking device. Unlocks the door in case of danger. The integrated light ring provides information on the status at all times.

Product overview

01 Kaba star cross
02 Panic push bar PHA 2500
03 Door locks: new generation SVP/SVI/SVA
04 Door coordinator for 2 door leaves: TS 98 XEA GSR B
05 Door locking device STV 500
06 Locking and unlocking: key switch
07 SafeRoute AP escape route security system with flexible licensing model

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 7

✓	Fire protection
✓✓	**Barrier-free design** | According to DIN 18040
✓✓	**Escape route/escape route security system** | According to EltVTR for electrical escape route security systems | Complies with EN 1125 for panic doors with horizontal push bar
✓	Access control
✓✓	**Intruder detection** | Break-in protection depending on approval
✓	Interior design
✓✓	**Emergency opening**
✓✓	**Service** | Installation, commissioning and maintenance


Treppenhaus 1

Staircases, corridors and basements

No space should be forgotten. Accessible by both authorised and unauthorised personnel alike, these more straightforward connecting routes can be extremely challenging for security technology. They can also be tricky in emergency situations – fire, for example, can spread in all directions in these areas. Mobility and closures can both be improved using smart mechanics.

Staircase, corridor and basement

Secondary entrance and second escape route.

A secure access control is also important for secondary entrances. In an emergency, the secondary entrance serves as a safe escape route.

Requirement:
In many buildings, secondary entrances must also be able to be used as emergency exit and escape routes. Break-in protection and monitoring must be ensured in the area of the door, depending on the type of approval. The person responsible must be informed about the status of the door directly.

Solution:
The secondary entrance is constructed as a single-leaf tubular frame door with the reliable TS 98 XEA slide-channel door closer. The SVP 6000 lock automatically locks the door in two places after closing. In emergencies, the door can be opened in the direction of escape using the lever handle. The external lever handle can be electrically activated. Users can also take advantage of door information thanks to the lock's feedback contact. Access control is seamlessly integrated into the building organisation with dormakaba access management systems.

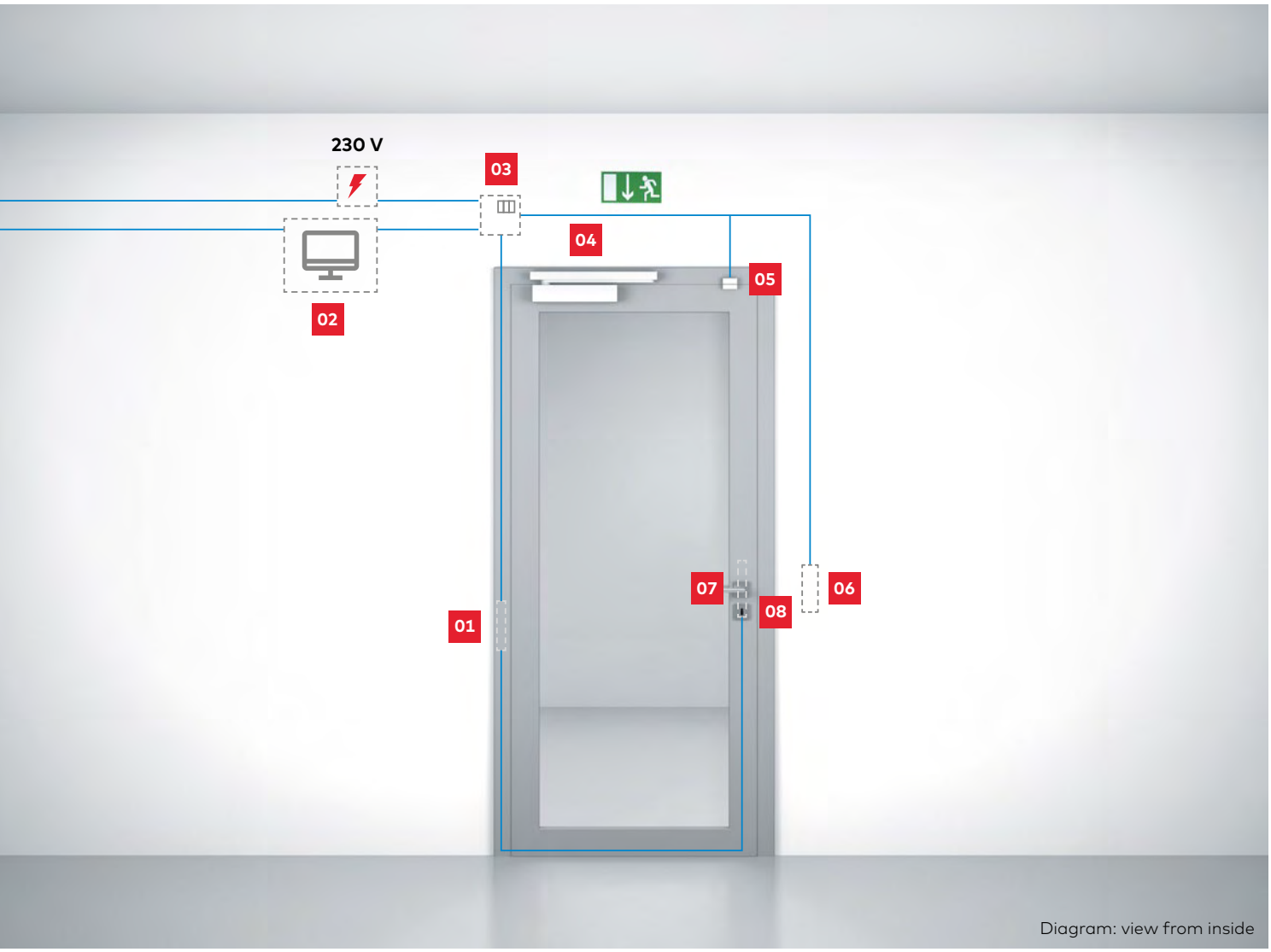


Diagram: view from inside

Access manager 92 00
A high-performance control unit for all contemporary security concepts that manages and controls up to 12 doors depending on the system solution.

Registration unit 90 04
Slim, compact, seamless and can be installed directly on the door frame separate to the control unit. Waterproof and weather-resistant, the device is also well suited for outdoor areas.

Kaba star cross
is a flexible, patented closing system that meets the highest security and organisational standards. A cross-shaped, mobile element in the key increases protection against illegal duplication.

Product overview

01 Detachable cable loop KÜ-480 and LK 12
02 Access management software according to requirements
03 Access manager 92 00
04 Slide-channel door closer TS 98 XEA
05 Door contact TK
06 Registration unit 90 04
07 Emergency-escape lock with automatic locking action SVP 6000
08 Kaba star cross locking cylinder

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 8

✓✓	**Fire protection** | Optional
✓	**Barrier-free design** | According to DIN 18040
✓	**Escape route/escape route security system** | According to EN 179
✓	**Access control**
✓	**Intruder detection** | Break-in protection depending on approval
✓	Interior design
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

Staircase, corridor and basement

Fully automated double-leaf fire door.

The fully automated double-leaf doors create a wide, barrier-free access point that is convenient to use. Combined with access control and emergency-escape locks.

Requirement:
A high passage width should be implemented to provide barrier-free, convenient access. Access from outside should only be authorised for authenticated persons. After each closing, the door should automatically lock itself. The door solution should also be a reliable security element for the building in the event of fire or evacuation.

Solution:
Two type ED 250 swing door drives to automate both door leaves. In emergencies, the smoke detector integrated in the operator detects the development of smoke and closes the doors automatically. The 91 10 compact reader also provides authorised users access to the area inside using an access medium as the emergency-escape locks unlock and the doors open fully automatically. Users can then leave the area again by simply pushing the manual release switch.

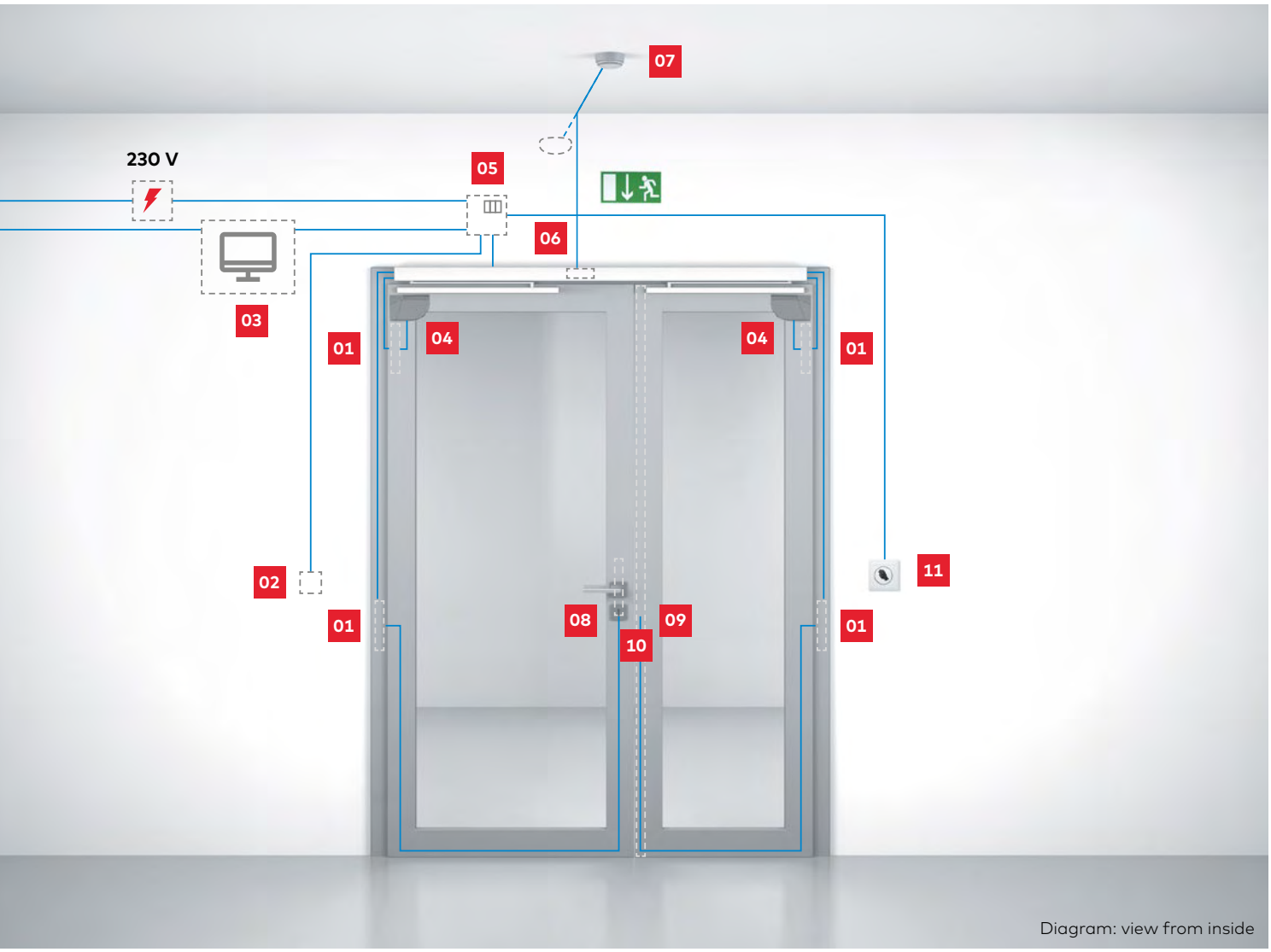
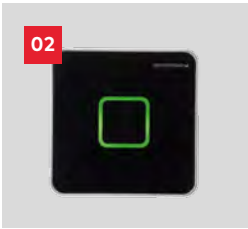


Diagram: view from inside



Compact reader 91 10
Innovative design in elegant high gloss and compact design. Can be universally used as an online sub-terminal in all access solutions.

Swing door drive ED 250
The operator has compact dimensions and can be easily adapted to individual requirements thanks to its modular structure.

SVA 2000 F/SVI 2000 F
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.

Product overview

01 Detachable cable loop KÜ-480 and LK 12
02 Compact reader 91 10
03 Access management software according to requirements
04 Flatscan safety sensors
05 Access manager 92 00
06 ED 250 swing door operator with integrated smoke detector with power pack + DCW® upgrade card and integrated door coordinator
07 Optional smoke detector RM-N, two-sided, for lintels ≥ 1,000 mm
08 Emergency-escape lock with automatic motorised locking action, active, SVA 2000 F
09 Emergency-escape lock with automatic motorised locking action, inactive, SVI 2000 F
10 Kaba star cross locking cylinder
11 Manual release switch

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 9

✓	**Fire protection** | Use up to EN 6 = door width 2,800 mm
✓	**Barrier-free design** | According to DIN 18040
✓	**Escape route/escape route security system** | According to EN 179
✓	**Access control**
✓	**Intruder detection** | Break-in protection depending on approval
✓	Interior design
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

Safety in use: DIN 18650/EN 16005

Staircase, corridor and basement

Double-leaf fire door with manual operation.

Floor entrances often separate different fire areas, using double-leaf fire doors to do so. These doors should also be easy for authorised personnel to use.

Requirement:
For stairwells and floor entrances, there's no avoiding the standards for fire protection, escape routes and break-in protection. Even manually operated doors must meet all the relevant criteria. They should also ensure barrier-free use in day-to-day operation.

Solution:
For a double-leaf fire door, the TS 98 XEA GSR BG door closer with door coordinator ensures that the active door leaf closes without overlapping the passive door leaf. The combination of the SVA 6000 and SVI 5000 provides automatic locking for the door. The lock also contains feedback contacts for information on the door status. Access is authorised using a practical compact reader and RFID cards.

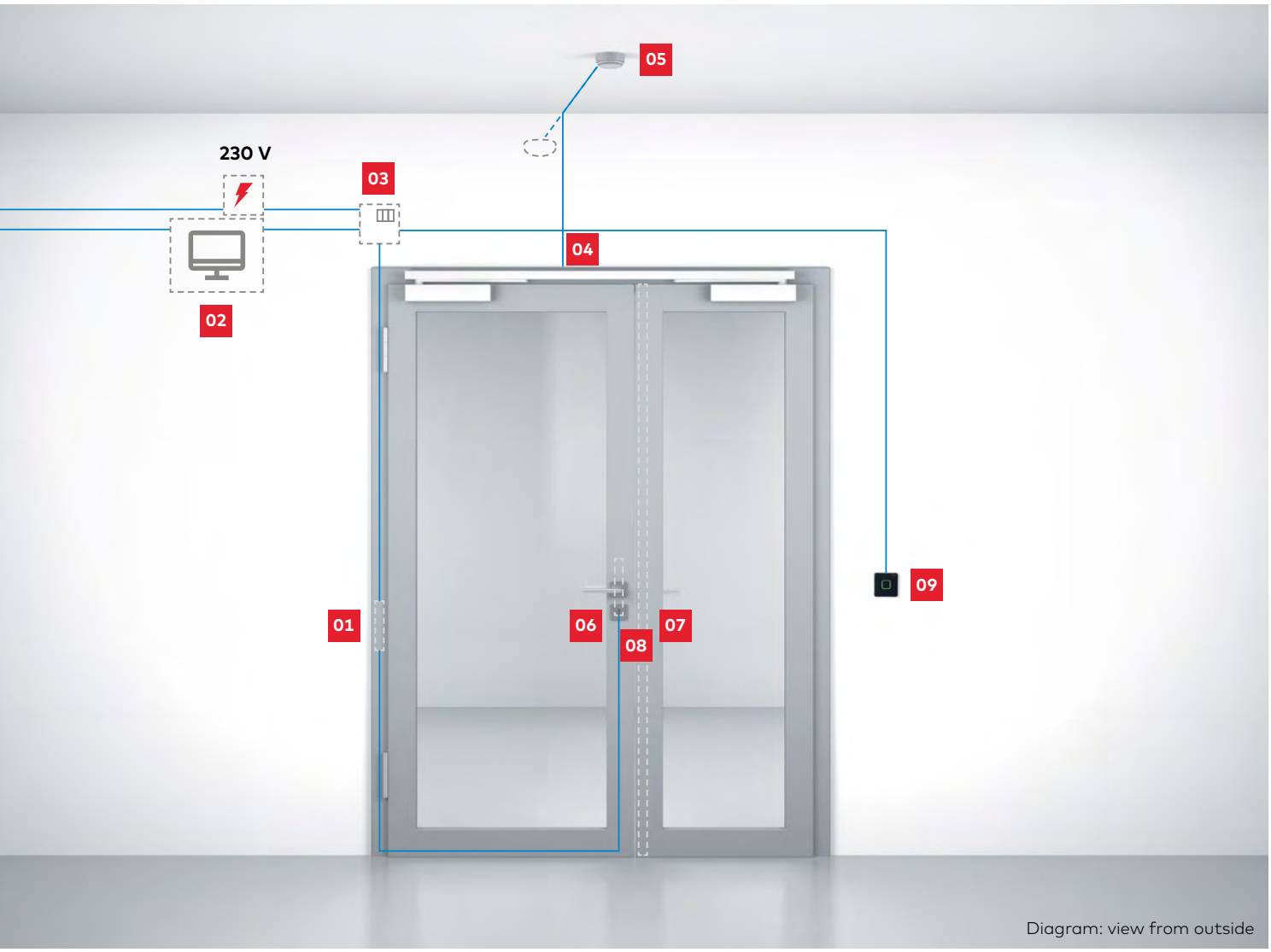
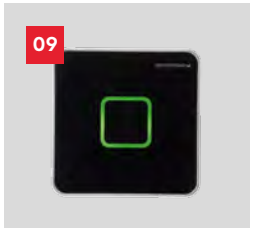


Diagram: view from outside

TS 98 XEA G-SR
Slide-channel door closer with door coordinator, separate from hydraulic pushrod clamping system.

SVA 6000 and SVI 5000
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.



Compact reader 91 10
Innovative design in elegant high gloss and compact design. Can be universally used as online sub-terminal in all access solutions.

Product overview

01 Detachable cable loop KÜ-480 and LK 12
02 Access management software according to requirements
03 Access manager 92 00
04 Slide-channel door closer with door coordinator TS 98 XEA G-SR
05 Optional smoke detector RM-N, two-sided, for lintels ≥ 1,000 mm
06 Lever handle-controlled emergency-escape lock with automatic mechanical locking action, active SVA 6000
07 Emergency-escape lock with automatic mechanical locking action, inactive SVI 5000
08 Kaba star cross locking cylinder
09 Compact reader 91 10

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 10

✓	**Fire protection** | BS EN 1154, BS EN 1155, BS EN 1158, BS EN 14637
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	**Escape route/escape route security system** | According to EN 179
✓	**Access control**
✓	**Intruder detection** | Break-in protection depending on approval
✓	Interior design
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

Staircase, corridor and basement

Controlled and automated access and simultaneous escape route.

In the event of a fire in large buildings with high traffic volumes, the door between the underground car park and building interior serves as an escape route. It also regulates authorised access.

Requirement:
Due to the variety of access permissions and the fact that people who enter these areas often do not have their hands free, the area between the underground car park and the lifts inside the building must be able to be conveniently controlled. In the event of a fire, the door serves as an escape route to the safe area.

Solution:
High volumes of people come and go using the lifts in administration buildings, hotels, shopping centres, hospitals and apartment blocks, and they all have different needs. A single-leaf power-operated door in the passageway to and from the underground car park can offer the necessary security and passage frequency. Once approved by access control, the door is opened using a swing door drive. For use as an emergency exit and escape route, the SafeRoute escape route security system ensures that the door can be used in emergencies without the need for access permissions.

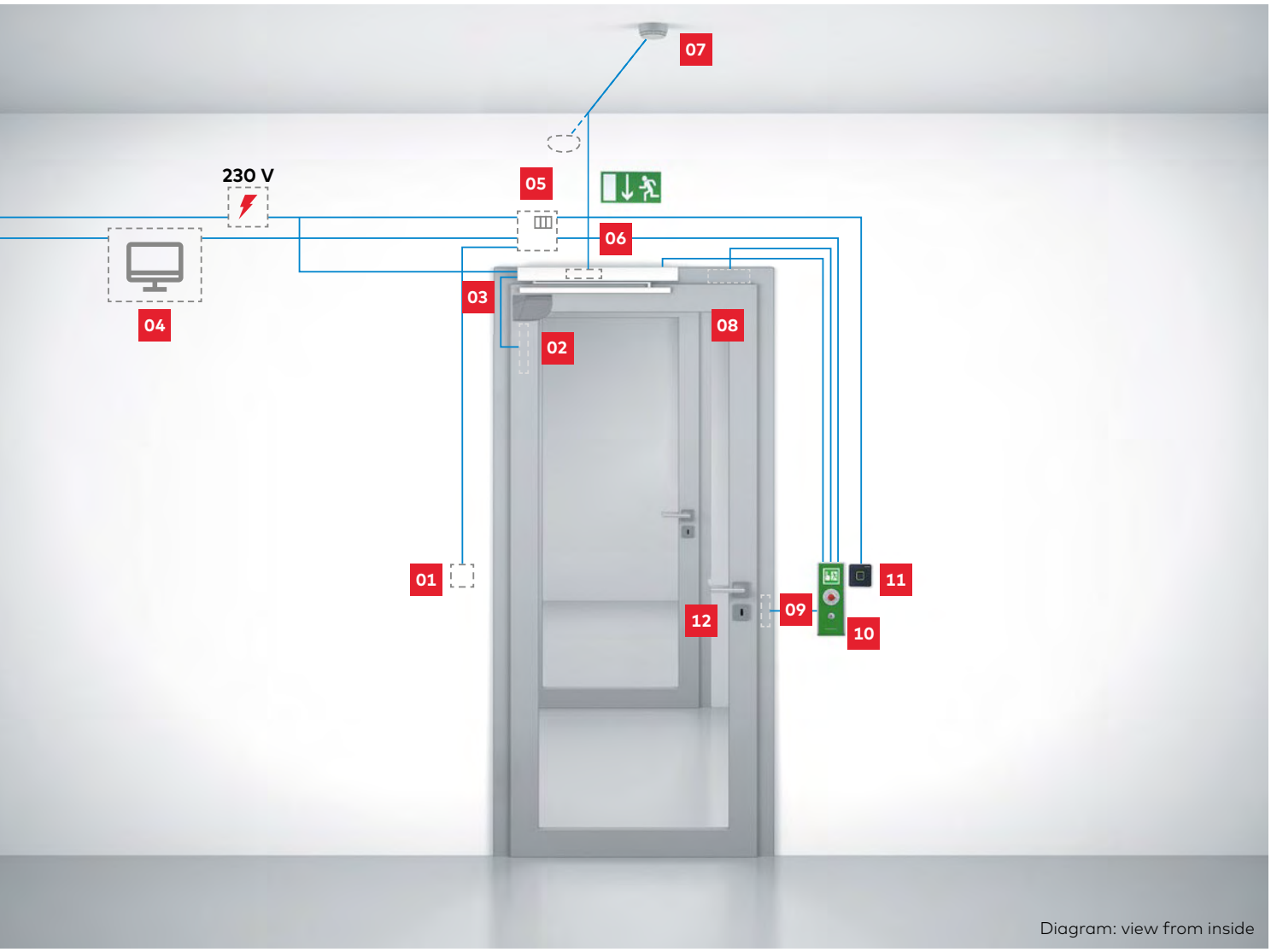


Diagram: view from inside

Swing door drive ED 250
Fully automatic drive moves gently and controls doors up to 1,600 mm wide and weighing up to 400 kg.

SafeRoute escape route security system
Monitors and controls the locking device. Unlocks the door in case of danger. The integrated light ring provides information on the status at all times.

Compact reader 91 10
Innovative design in elegant high gloss and compact design.

Product overview

01 Door-open push button
02 Detachable cable loop KÜ-480 and LK 12
03 Flatscan safety sensors, two-sided
04 Access management software according to requirements
05 Access manager 92 00
06 ED 250 with integrated smoke detector RM ED
07 Optional smoke detector RM-N, two-sided, for lintels ≥ 1,000 mm
08 Door locking device STV 500
09 Fire 448 Lucky electric strike
10 SafeRoute AP escape route security system with flexible licensing model
11 Compact reader 91 10
12 Kaba star cross locking cylinder

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 11

✓	**Fire protection** | Door leaf width up to 1,400 mm
✓	**Barrier-free design** | According to DIN 18040
✓	**Escape route/escape route security system** | According to EN 179 | Approved in accordance with EltVTR | Complies with EN 13637 for electrically operated emergency exit systems
✓	**Access control**
✓	Intruder detection
✓	Interior design
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

Safety in use: DIN 18650/EN 16005

Staircase, corridor and basement

ST FIRE sliding door for fire protection and escape route.

Automatic sliding fire door with escape route. The ST FIRE sliding fire door from dormakaba combines both sliding and swinging functions into one element.

Where a sliding door would previously have been used, an additional escape route door must now also be planned in the immediate vicinity. The automatic ST FIRE for fire protection with optional escape route solves this problem. Ensuring automatic, barrier-free door opening, this automatic sliding door is perfect wherever large volumes of people are expected. That's why the ST FIRE is the convenient, secure solution for stadiums, airports, shopping centres, hospitals and much more.

- Automatic sliding door with fire protection and optional emergency exit and escape route
- Protection for people, buildings and property
- Automatic function ensures barrier-free access

Properties

- Long-lasting and reliable
- Automatic sliding door with EI30 fire protection
- Fire door equipped with tried-and-tested ES 200 drive
- Protection in event of fire
- Optional escape route function
- Fits seamlessly into the building architecture

Technical data
- Tested and approved fire protection
- Tested and approved emergency exit and escape route (optional)
- Single-leaf and double-leaf versions available
- Available with and without fanlight
- Available with and without side screen

Functions
- Dimensions depending on product and approval
- Components
- Connection with dormakaba access systems
- dormakaba access components
- Steel and wood versions available

Applications
- Fire zones
- Public and private buildings
- Corridor reconciliations
- Separation of danger zones
- Sales areas
- Kitchens, workshops, warehouses
- Underground car parks, staircases

Staircase, corridor and basement

Interlock door, single-leaf area entrance door.

Access control, fire protection and escape route combined in a manually opened door.

Requirement:
Two consecutive doors must form an interlock. A conventional slide-channel door closer often does not close doors securely enough. Either the door closes too loudly or the lock latch does not fall into the strike plate, and therefore the door remains open. This regularly leads to an increased closing force of the door closer. As a result, even more muscle power has to be applied to open the door and the sound when closed can be heard clearly in the building when the second interlock door is opened. In addition, only authorised persons should be granted access.

Solution:
Slide-channel door closer TS 98 XEA. The EASY OPEN technology allows for easy, barrier-free door opening in accordance with DIN SPEC 1104 and DIN 18040 (door leaf width up to 1,250 mm), (up to size EN 5). The new SoftFlow technology also ensures gentle, reliable door closing thanks to the additional closing path from 15° to 0°. The electronic c-lever pro door fitting only grants access to authorised personnel. The self-locking SVP 5000 emergency-escape lock closes automatically. The emergency-escape function allows users to open the door with ease in the direction of escape at any time using the lever handle.

Diagram: view from outside

Slide-channel door closer TS 98 XEA
The TS 98 XEA slide-channel door closer meets the high requirements of quality, comfort and design.

Electronic c-lever pro door fitting
Suitable for exterior and security doors. Smart access with card, key fob, RFID key or smartphone.

SVP 5000
The SVP 5000 emergency-escape lock is particularly suitable for apartment or house doors, as well as building doors where no status monitoring is required.

Product overview

01 Slide-channel door closer TS 98 XEA
02 Electronic c-lever pro door fitting
03 Emergency-escape lock with automatic locking action SVP 5000
04 Kaba star cross locking cylinder

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 12

✓	**Fire protection** | BS EN 1154
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	**Escape route/escape route security system** | According to EN 179
✓	**Access control**
✓✓	**Intruder detection** | Optional and depending on the system check
✓	Interior design
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

Staircase, corridor and basement

Locked corridor door, single leaf.

Open, heavily frequented corridors can quickly become a safety hazard in the event of a fire. Open doors need a hold-open system to ensure they close quickly and securely on their own.

Requirement:
Corridors used freely by large volumes of people need a permanent door holder that can be triggered independently in the event smoke starts to build up. A locally integrated smoke detector must forward the trigger signal directly, even in the event of a power failure. When closed, the door must be easy to open with a standard-compliant low opening torque for barrier-free access.

Solution:
A timber door that is permanently open throughout the day and held in place electromechanically by the TS 93 door closer. TS 93 is a modular system that can also be equipped with an integrated smoke detector. The system functions independently, even in the event of a power failure. If the door is closed, it can be moved easily thanks to the decreasing opening torque, ensuring standard-compliant barrier-free access. The door can also be equipped with an access control. The c-lever pro lever handle combines all functions and grants access using an RFID medium or Bluetooth in a sleek, electronic fitting.

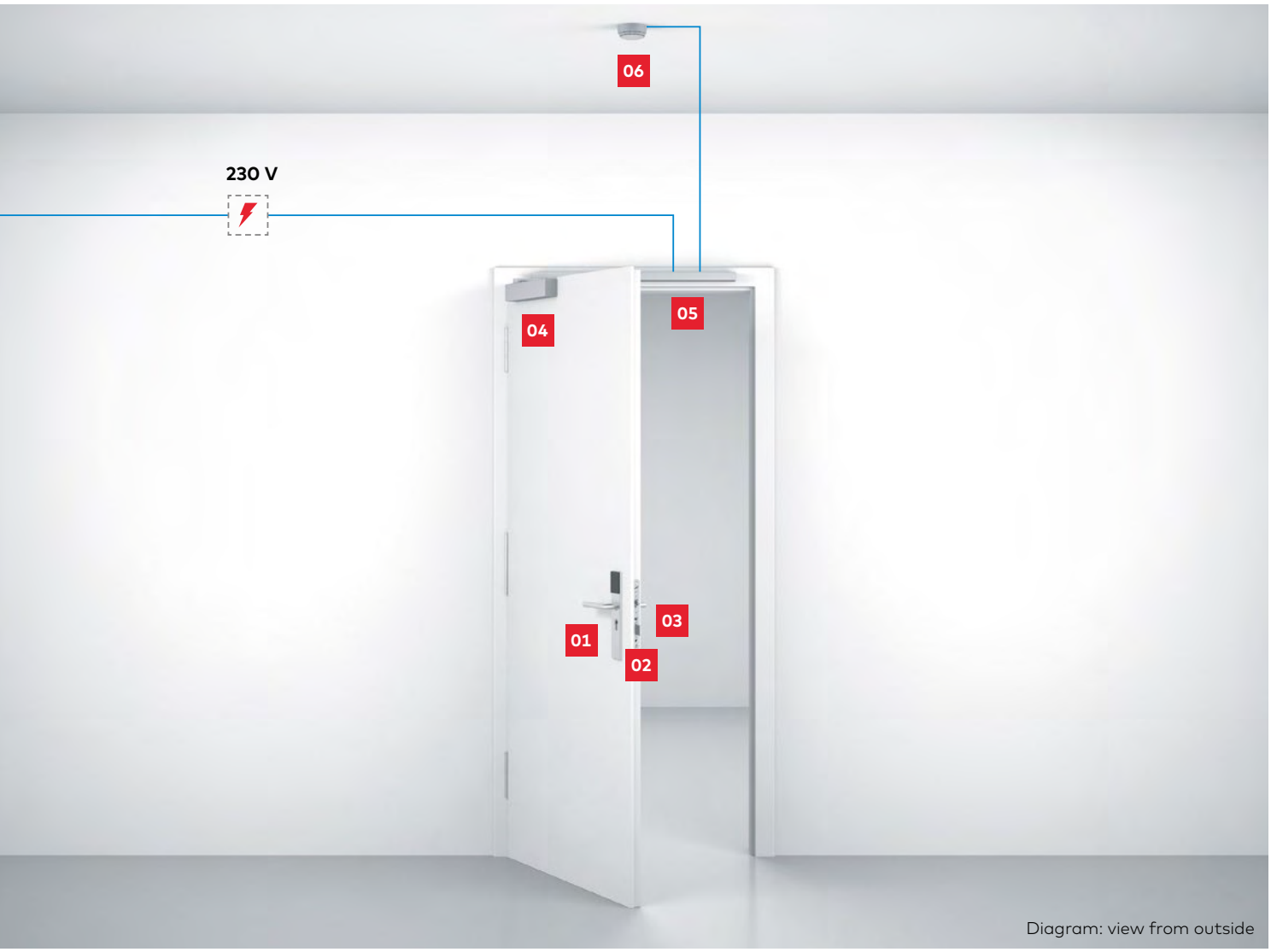


Diagram: view from outside

Electronic c-lever pro door fitting
Suitable for exterior and security doors. Smart access with cards, key fobs, RFID keys or smartphones.

Door closer TS 93 system
for single-leaf and double-leaf doors. Easy opening and delayed closing for door-leaf widths up to 1,600 mm.

Slide channel G-EMR
with electromechanical hold-open unit, hold-open point adjustable between 80° and 140°, integrated power supply unit and smoke detector.

Product overview

01 Electronic c-lever pro door fitting
02 Kaba star cross locking cylinder
03 Emergency-escape lock with automatic locking action SVP 5000
04 Door closer TS 93
05 Slide channel G-EMR
06 Optional smoke detector RM-N, two-sided, for lintels ≥ 1,000 mm

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 13

✓	**Fire protection** | BS EN 1154, BS EN 1155, BS EN 14637
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	**Escape route/escape route security system** | According to EN 179
✓	**Access control**
✓✓	**Intruder detection** | Optional and depending on the system check
✓	Interior design
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

Staircase, corridor and basement

Locked corridor door, double leaf.

Two door leaves in a wide corridor must close quickly and safely in the event of a fire. The mechanical door coordinator prevents the doors from sticking.

Requirement:
Corridors used freely by large volumes of people need a permanent hold-open system that can be triggered independently in the event smoke starts to build up. A locally integrated smoke detector must forward the trigger signal directly, even in the event of a power failure. When closed, the door must be easy to open with a standard-compliant low opening torque for barrier-free access.

Solution:
A fire door that is permanently open throughout the day and held in place electromechanically with the TS 93 door closer. In a double-leaf design, one door leaf may be open, while the other may remain closed as a passive door leaf Alternatively, both door leaves can be kept open. Either way, the carry bars and door coordinators ensure that the door leaves close securely in the correct order without jamming, even if one of the leaves is open at an awkward angle.The TS 93 system can be expanded with various modules, e.g. with an integrated smoke detector. This allows the system to function independently, even in the event of a power failure. If the doors are closed, they can be moved easily thanks to the decreasing opening torque.

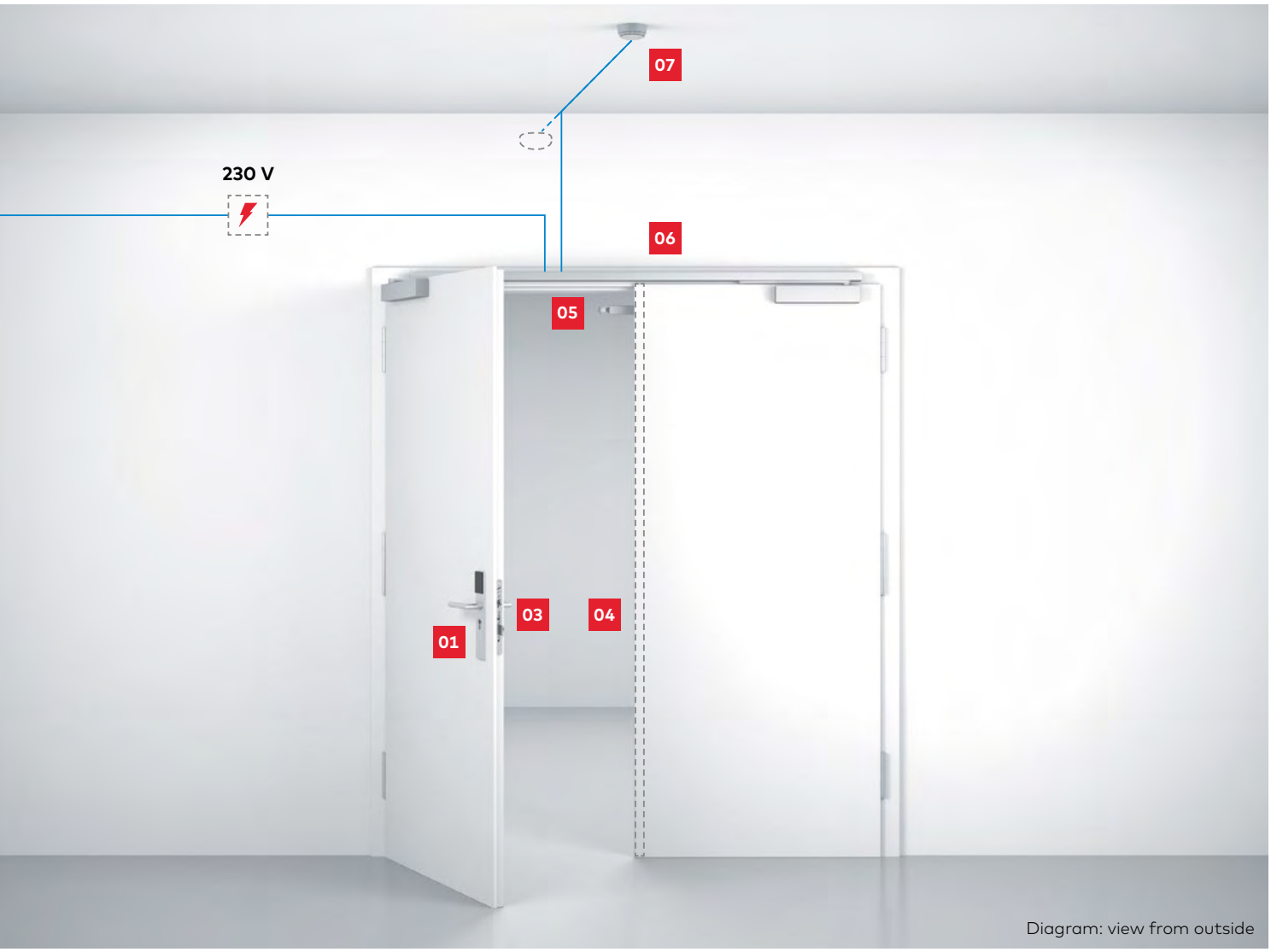


Diagram: view from outside

Electronic c-lever pro door fitting
Suitable for exterior and security doors. Smart access with card, key fob, RFID key or smartphone.

Carry bar MK 396
for double-leaf doors in combination with a door coordinator. Secure closing without jamming.

2 TS 93 door closers
Combination for double-leaf doors with door coordinator. Delayed closure, smoke detector can be integrated, for door-leaf widths up to 1,600 mm. Barrier-free.

Product overview

01 Electronic c-lever pro door fitting
02 Kaba star cross locking cylinder
03 Emergency-escape lock with automatic mechanical locking action, active SVA 5000
04 Emergency-escape lock with automatic mechanical locking action, inactive SVI 5000
05 Carry bar MK 396
06 Slide-channel door closer with door coordinator and integrated TS 93 GSR-EMR smoke detector with integrated power pack
07 Optional smoke detector RM-N, two-sided, for lintels ≥ 1,000 mm

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 14

✓	**Fire protection**
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	**Escape route/escape route security system** | According to EN 179
✓	**Access control**
✓✓	**Intruder detection** | Optional and depending on the system check
✓	Interior design
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

Staircase, corridor and basement

Single-leaf door for technical rooms

The basements of large buildings contain important data as well as the electric and power supply. Only authorised persons should be permitted to access these rooms.

Requirement:
Unauthorised access to sensitive technology in the basement must be prevented under all circumstances. A door closer must ensure immediate closing of the door after passing through it. Access is regulated by a locking plan, so that only authorised persons will be granted access.

Solution:
A clearly outlined locking plan showing who has locking authorisation and access to the technical room via key. In an emergency, the emergency services have a master key in a secure key deposit.

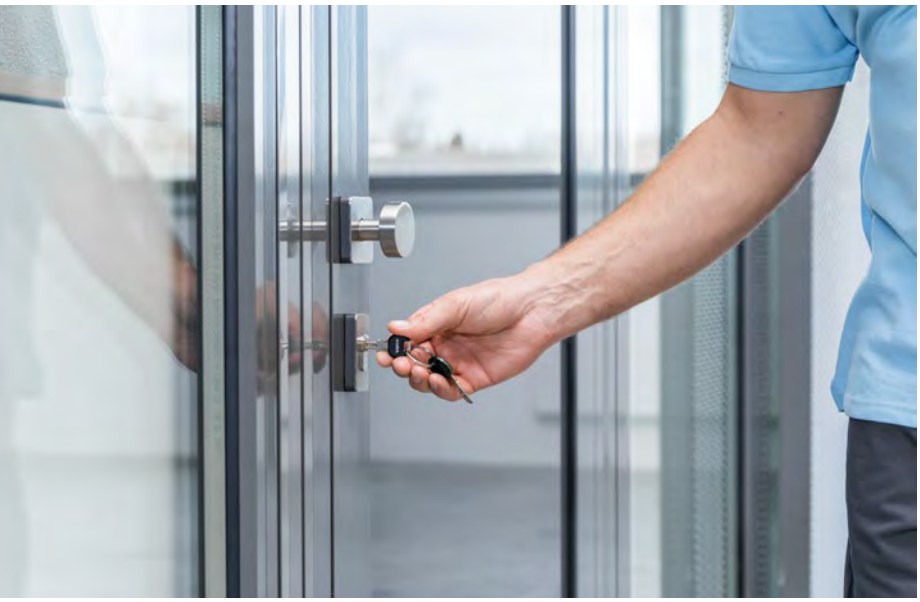


Diagram: view from inside

Kaba star cross
is a flexible, patented closing system that meets the highest security and organisational standards. A cross-shaped, mobile element in the key increases protection against illegal duplication.

SVP 5000
Emergency-escape lock with automatic locking action SVP 5000. The SVP 5000 emergency-escape lock is particularly suitable for apartment or house doors, as well as building doors where no status monitoring is required.

TS 92 XEA
The TS 92 is ideal for barrier-free doors in accordance with DIN 18040 for door widths up to 1,100 mm. The EASY OPEN technology ensures increased user convenience when opening the door and meets the requirements of DIN SPEC 1104.

Product overview

01 Kaba star cross locking cylinder
02 Emergency-escape lock with automatic locking action SVP 5000
03 TS 92 XEA

Specifications and classifications for solution 15

✓	**Fire protection** | BS EN 1154
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	**Escape route/escape route security system** | According to EN 179
✓	**Access control** | Depending on system according to approval
✓	**Intruder detection** | Optional and depending on the system check
✓	Interior design
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

✓ Available
✓ Available as an option
✓ Not available

Staircase, corridor and basement

Double-leaf doors for technical rooms.

Wide door systems need a complex mechanical system. The secure closure of both door leaves combined with electronic access control is vital for protecting basement rooms containing sensitive technology.

Requirement:
Unauthorised access to sensitive technology in the basement must be prevented under all circumstances. A door closer must ensure immediate closing of the door after passing through it. Time and room-specific access must be regulated via the digital cylinder.

Solution:
The TS 92 and TS 93 slide-channel door closers ensure barrier-free, standard-compliant access with the EASY OPEN technology. Even thick, heavy doors can be opened without breaking a sweat. For a double-leaf door, the two slide-channel door closers work in synchronisation. The mechanical door coordinator ensures overlap-free closing, even if the door has been opened incorrectly. Authorised access is granted by the digital cylinder without the need for a key. Here, the integrated receiver recognises the RFID media or authorised smartphone. Security guaranteed by the mechanics – the system cannot be circumvented via the second door leaf.

Diagram: view from outside

Digital cylinder
Practical: can also be easily retrofitted for existing doors.

Emergency-escape lock with automatic locking action SVP 5000
The SVP 5000 emergency-escape lock is perfect for apartment or house doors, as well as building doors where no status monitoring is required.

Door closer with TS 93 GSR door coordinator
for double-leaf doors. Easy opening, delayed closing, smoke detector can be integrated, for door-leaf widths up to 1,600 mm.

Product overview

01 Digital cylinder
02 dormakaba Mobile Access
03 Emergency-escape lock with automatic locking action SVP 5000
04 Carry bar MK 396
05 Door closer with TS 93 GSR door coordinator
06 Horizontal rod lock system

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 16

✓	**Fire protection** | BS EN 1154, BS EN 1158
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	**Escape route/escape route security system** | According to EN 179
✓	**Access control**
✓	Intruder detection
✓	Interior design
✓	Emergency opening
✓	Service | Installation, commissioning and maintenance

Staircase, corridor and basement

Interlock with two automated doors and access control.

To ensure a secure separation of rooms, two systematically controlled doors can be used to form an interlock system. The networked control unit integrates access control and escape route technology.

Requirement:
Two consecutive doors must form an interlock. Interlocks are an important component, especially in buildings with demanding requirements such as hospitals. Depending on whether personal safety, decontamination or separation is required, users should be able to authenticate themselves at the first interlock door. Depending on the opening and closing process of the first door, the second interlock door opens automatically. The time interval of the successive doors should be adjustable according to the situation. Safe escape must be possible in an emergency.

Solution:
Both interlock doors are equipped with type ED 100/250 swing door drives. All relevant components are interconnected via the access manager (controller). This allows users to identify themselves using an access medium on the 91 10 compact reader. The first interlock door opens automatically as soon as the user has been authorised. The second door opens as soon as the first one closes. There is no need for reauthorisation. The SafeRoute escape route security system monitors and controls the locking device. Unlocks the door in case of danger. The integrated light ring provides information on the status at all times.

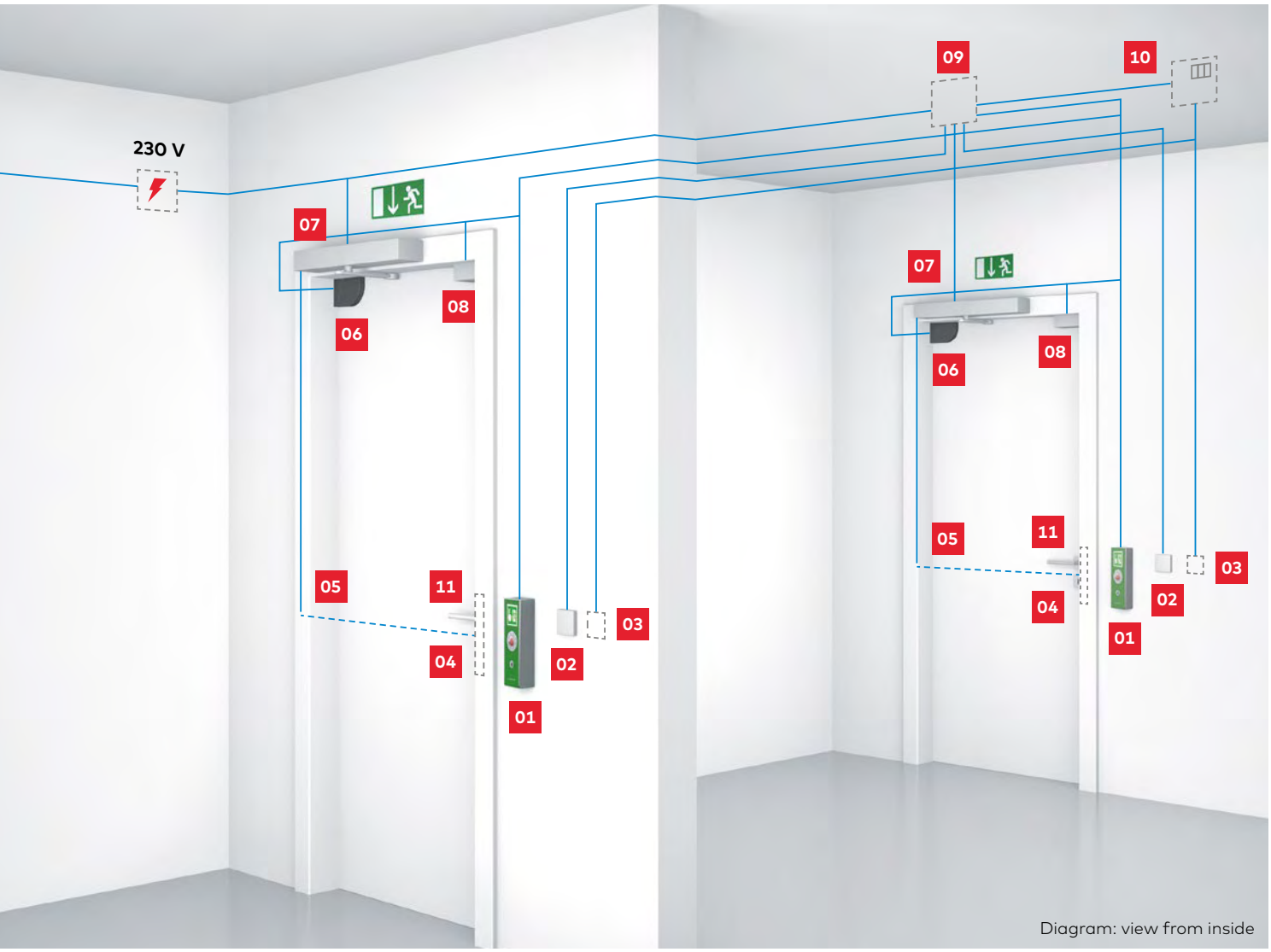


Diagram: view from inside

SafeRoute escape route security system
Monitors and controls the locking device. Unlocks the door in case of danger. The integrated light ring provides information on the status at all times.

STV 200
The electromagnetic door locking device. Up to 4 doors can be controlled via DCW® depending on licence type.

The SafeRoute Control Unit (SCU)
is the heart of the new SafeRoute system. Licence cards can be used as master system components for the top hat rail mounting.

Product overview

01 SafeRoute AP escape route security system with flexible SLI interlock licensing model
02 Contactless sensor button
03 Compact reader 91 10
04 Emergency-escape lock with automatic motorised locking action SVP 2000
05 Detachable cable loop KÜ-480 and LK 12
06 Flatscan safety sensors
07 Swing door drive ED 100/250
08 Door locking device STV 200
09 Remote escape route control system SCU DR
10 Access manager 92 00
11 Kaba star cross locking cylinder

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 17

✓✓	**Fire protection** | Optional
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	**Escape route/escape route security system** | According to EltVTR, EN 13637 and EN 179
✓	**Access control**
✓	**Intruder detection** | Break-in protection depending on approval
✓	Interior design
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

Safety in use: DIN 18650/EN 16005

Staircase, corridor and basement

Interlock with two manually operated doors.

Interlocks can also be designed with manually operated doors. People with access rights may pass through independently without time constraints.

Requirement:
Two consecutive doors must form an interlock. The area between the doors is used as a block between two atmospheres. The opening authorisation is adapted to the task of the interlock: clean rooms, operating theatres or other partitioning. Direct passage through two simultaneously opened doors is only possible via an emergency security system.

Solution:
The system consists of two doors that are never both open at the same time, except when being used as a SafeRoute-controlled escape route. If the first interlock door is opened using a sensor button or card reader, the second door will remain closed. Once the first door is closed, the second door can be accessed. People inside the interlock can also use their access permission, a transponder medium or simply push the unlocked door manually.

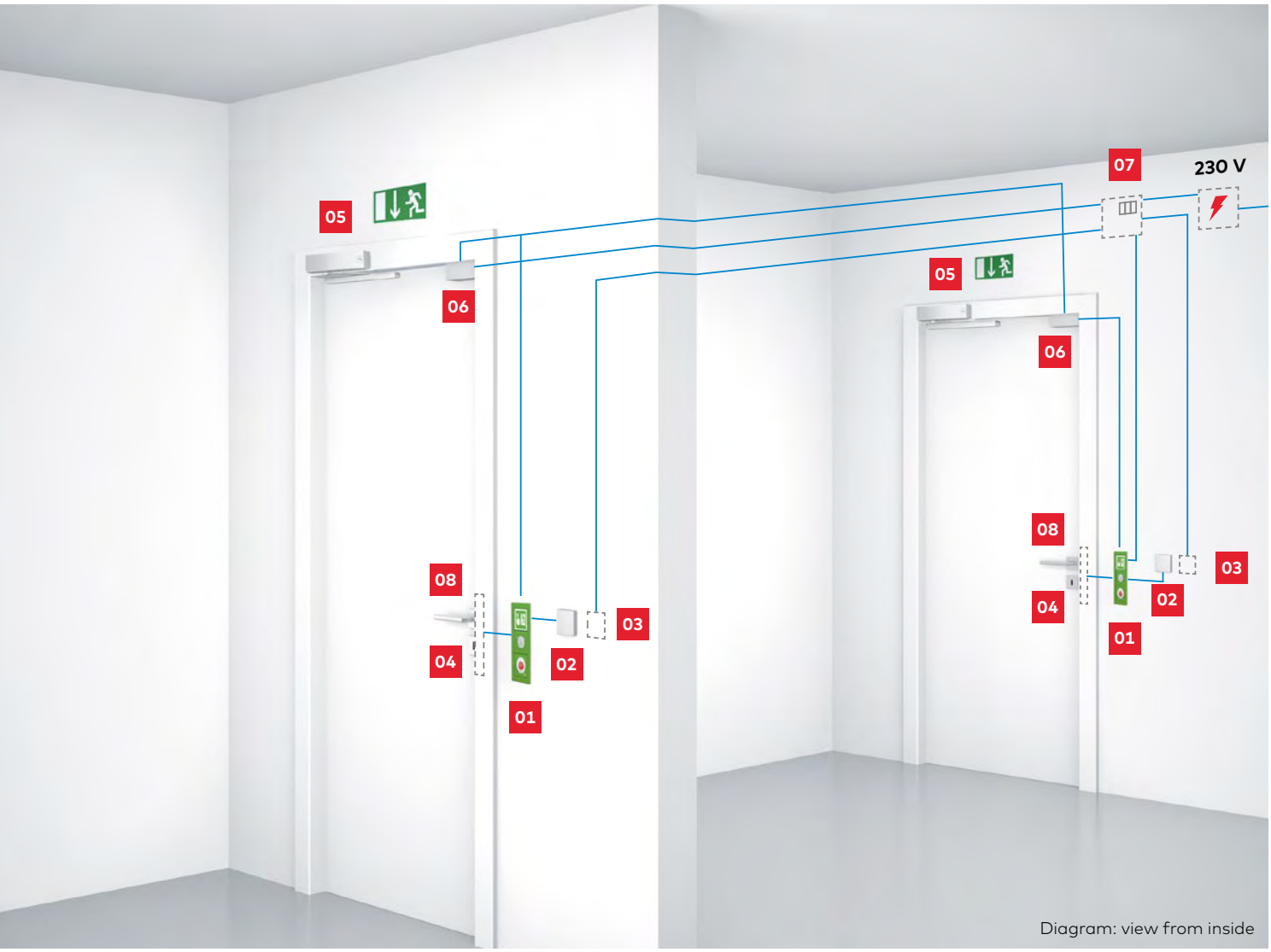


Diagram: view from inside

SafeRoute escape route security system
monitors and controls the locking device. Unlocks the door in case of danger. The integrated light ring provides information on the status at all times.

Fire 448 Lucky electric strike
Electric strike with the Lucky Strike effect uniquely combines the benefits of direct current and alternating current door openers.

TS 98 XEA
The TS 98 XEA slide-channel door closer meets the high requirements of quality, comfort and design.

Product overview

01 SafeRoute UP escape route security system with flexible SLI interlock licensing model
02 Contactless sensor button
03 Registration unit 90 01
04 Fire 448 Lucky electric strike
05 Slide-channel door closer TS 98 XEA
06 Door locking device STV 200
07 Access manager 92 00
08 Kaba star cross

Specifications and classifications for solution 18

✓✓	**Fire protection** | Optional
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	**Escape route/escape route security system** | According to EltVTR, EN 13637 and EN 179
✓	**Access control**
✓	Intruder detection
✓	Interior design
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

✓ Available
✓✓ Available as an option
✓ Not available

Interior construction and architecture

Nowadays, it's all about moulding architecture around people and not the other way around. Intelligent systems create new spaces and provide openness while ensuring security in separation. In offices, this means adapting to time, project and team requirements and for living spaces, it's about creating solutions to fit a person's lifestyle. In hospitals and care homes, for example, glass systems can create a positive atmosphere, offering new perspectives everywhere you look.

Interior construction and architecture

Escape route in both directions.

If an escape route door separates different fire sections and different functional units simultaneously, the escape route must operate in both directions.

Requirement:
In buildings with different functional units on one level, a door can serve as an escape route in both directions. In an emergency, unlocking of the emergency-escape lock must be ensured so that safe escape is possible. During standard operation, only authorised persons should be allowed to pass through the room.

Solution:
The combination of the SafeRoute escape route security system, the TS 93 Basic door closer, the STV 200 door locking device and the SVP 5000 emergency-escape lock with automatic locking function. During standard operation, authorised personnel can gain access using the SafeRoute system's PIN field. The door will be unlocked and users can open the door manually. The TS 93 Basic closes the door gently and reliably. In emergencies, the lock and door locking device can be unlocked using the emergency push button to allow for safe evacuation.

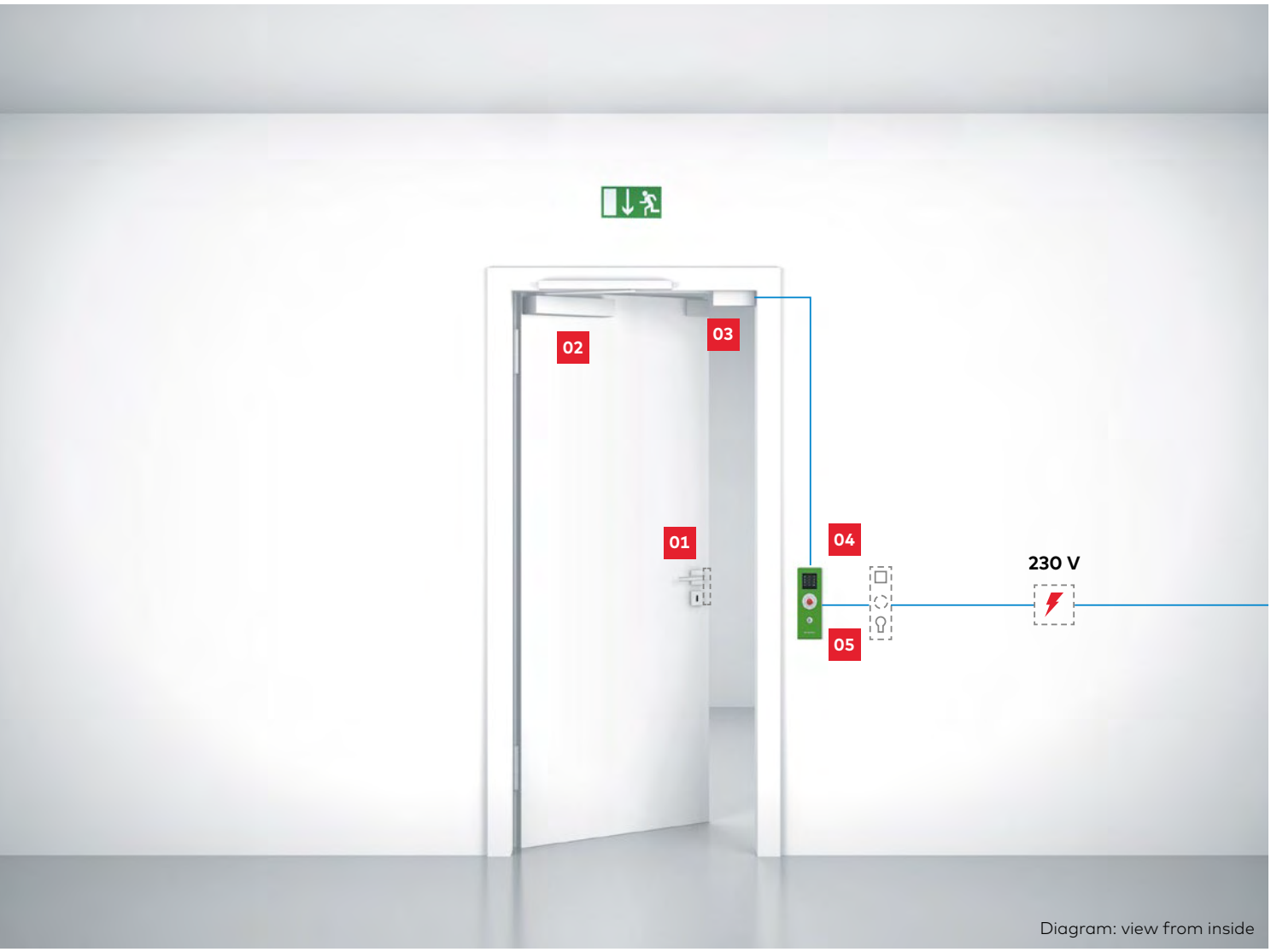


Diagram: view from inside

Emergency-escape lock with automatic locking action SVP 5000
The SVP 5000 emergency-escape lock is perfect for apartment or house doors, as well as building doors where no status monitoring is required.

TS 93 Basic
The closer body produces a rapidly decreasing opening torque, which is made possible by EASY OPEN technology.

SafeRoute STL door terminal
monitors and controls the door locking device. Unlocks the door in case of danger. The integrated light ring provides information on the status at all times.

Product overview

01 Emergency-escape lock with automatic locking action SVP 5000
02 Slide-channel door closer TS 93 Basic
03 Door locking device STV 200
04 SafeRoute STL UP escape route security system with flexible SLI Basic (or better) interlock licensing model
05 dormakaba half-cylinder Kaba star cross enables resetting after the SafeRoute escape route security system is triggered

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 19

✓	**Fire protection**
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	**Escape route/escape route security system** | According to EltVTR, EN 13637 and EN 179
✓	**Access control**
✓	Intruder detection
✓	Interior design
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

Interior construction and architecture

Area separation with double-leaf partially automated door.

A transparent door promotes openness while creating convenient security with smart access control, motorised doors and independent fire protection.

Requirement:
An area should be separated by a double-leaf door. For regular operation, automating only one door leaf is sufficient. Only authorised access should be possible. In an emergency or a fire, the system should close securely.

Solution:
Just one automated door leaf is often sufficient to ensure an unhindered passage of people. While the active door leaf can be opened fully automatically, the passive door leaf can only be opened manually, functioning as a door closer. If required, the door can also feature the Power-Assist function to make opening the door even easier. With the integrated hold-open function, however, both door leaves can be held open permanently without the need for any additional components.

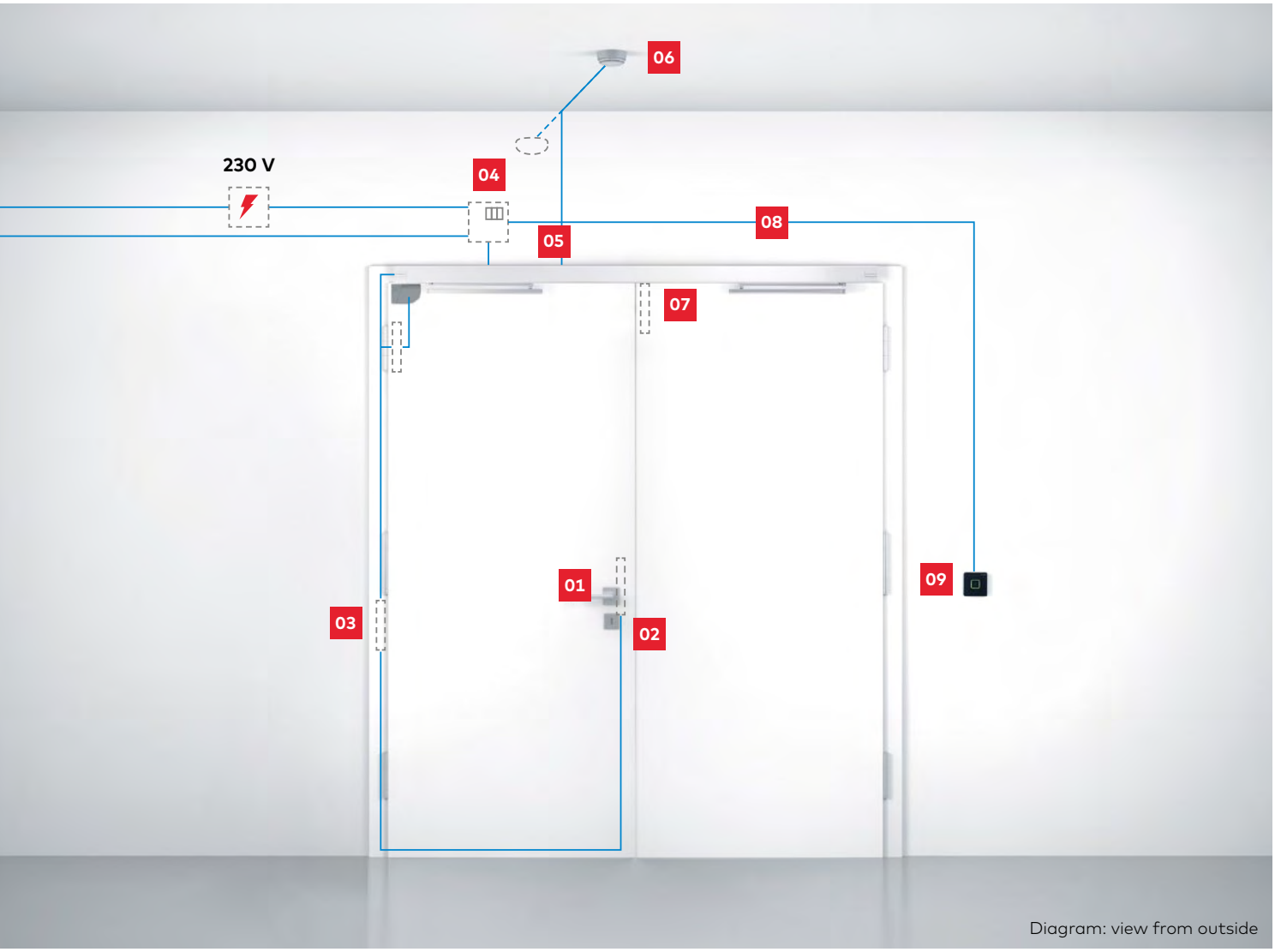


Diagram: view from outside

Motorised emergency-escape lock with automatic locking action SVP 2000
and optimised mechanical and electronic sequential control. Operation modes: DCW(R) or CAN bus and analogue without feedback.

Revolving door drive ED 250 ESR ½
Fully automated active door leaf with range of functions – non-automated passive door leaf.

Remote reader 91 15
The connected dormakaba registration unit transfers data to the remote reader via an encrypted connection.

Product overview

01 Emergency-escape lock with automatic motorised locking action SVP 2000
02 Kaba star cross locking cylinder
03 Detachable cable loop KÜ-480 and LK 12
04 Access Manager 92 90
05 ED 250 ESR ½ with integrated smoke detector with integrated power pack + DCW® upgrade card
06 Optional smoke detector RM-N, two-sided, for lintels ≥ 1,000 mm
07 Rebate dead bolt
08 Remote reader 91 15
09 Registration unit 90 01

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 20

✓	**Fire protection**
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	**Escape route/escape route security system** | EN 179
✓	**Access control**
✓	**Intruder detection** | Break-in protection depending on approval
✓	Interior design
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

Safety in use: DIN 18650/EN 16005

Interior construction and architecture

Double-leaf fire door, can be opened 180° if construction permits.

In wide passageways between two rooms, the fire doors are fixed to the wall.

Requirement:
Large passageways between adjacent rooms must also meet the normative fire protection requirements. To create a wide passage, the doors should be opened wide. A closing sequence control must prevent mechanical tilting. When closed, the doors must be easy to open.

Solution:
The local smoke detector in the door system creates an independent, reliable system. Both door leaves can be held at an opening angle of up to 180° using external magnetic clamps. A mechanical closing sequence control enables secure closure of both door leaves.

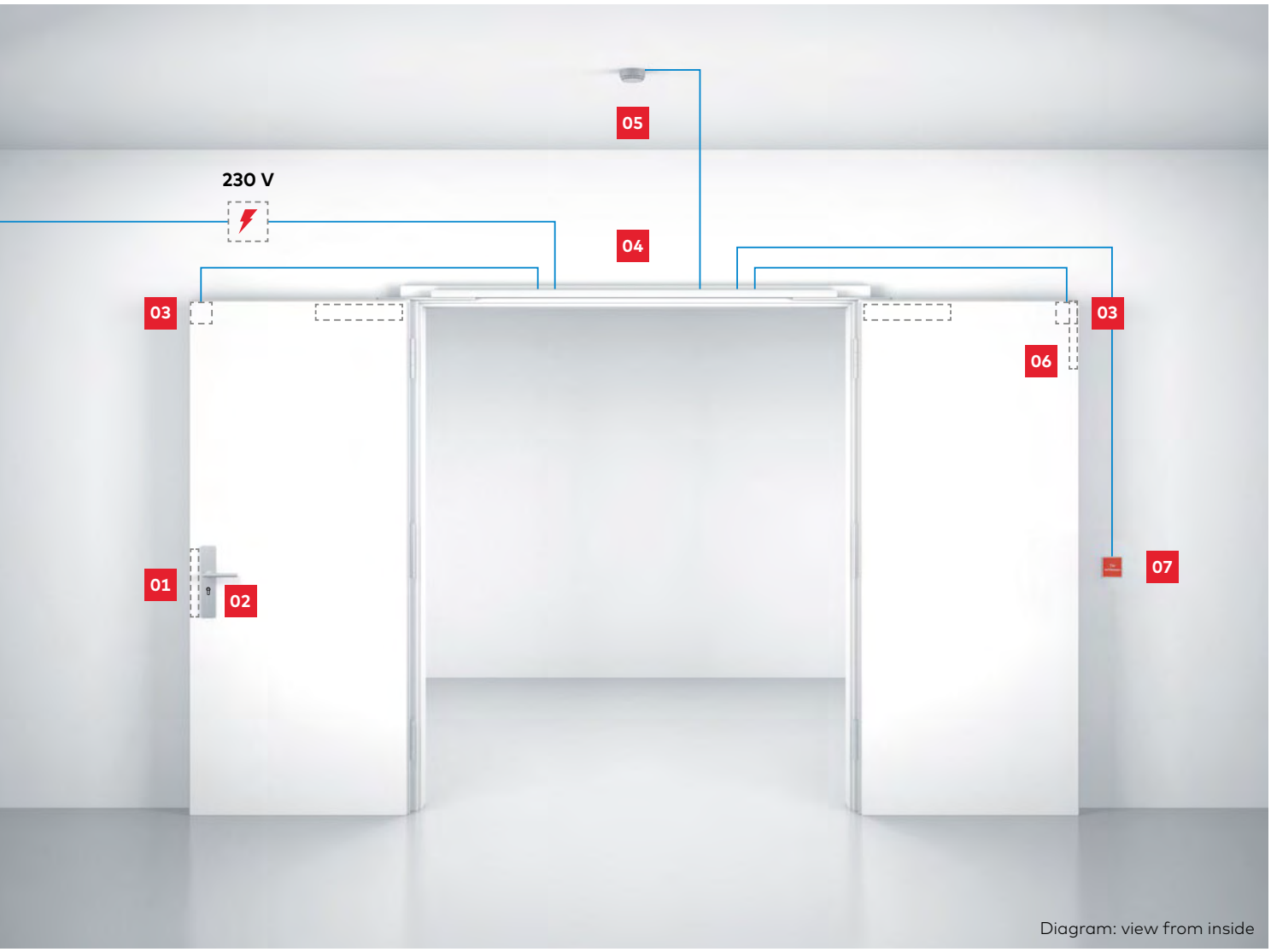


Diagram: view from inside

EM 500
In case of fire, the trigger element disconnects the hold-open system as soon as the fire detector detects the fire.

Smoke detector RM-N
The RM-N smoke detector detects both incipient fires and open fires with smoke emission early and can be connected to all dormakaba hold-open systems.

HZ 43-F
The HZ 43-F rod lock system offers a universal solution for all double-leaf door systems, specifically for fire and smoke doors.

Product overview

01 Emergency-escape lock with automatic locking action SVP 5000
02 Kaba star cross locking cylinder
03 Magnetic clamps for 180° door opening: EM 500
04 Door closer with door coordinator and integrated TS 98 XEA GSR-EMR smoke detector with integrated power pack (without hold-open function in slide channel)
05 Optional smoke detector RM-N, two-sided, for lintels ≥ 1,000 mm
06 Horizontal locking device HZ 43-F
07 Door-close push button

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 21

✓	**Fire protection** | BS EN 1154, BS EN 1155, BS EN 1158, BS EN 14637
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	**Escape route/escape route security system** | EN 179
✓	Access control
✓	**Intruder detection** | Break-in protection depending on approval
✓	Interior design
✓	**Emergency opening**
✓	**Service** | Installation, commissioning and maintenance

Interior construction and architecture

Patient room door, digitally flexible.

New technology helps patients and everyone responsible for their care and organisation: In the event of a fire, the fail-safe door closer manages 1,400 mm doors. In its normal state, the door can be moved without any resistance, as if no door closer were fitted. Access is granted using the TouchGo system. The patient only has to wear the transponder on their body.

Requirement:
The door must be aligned with the needs of the patients and their care. For example, a minimum width of 1,400 mm for the door leaf is a prerequisite for sliding a bed through the door. The door locks of the many rooms in hospitals and nursing facilities require central access.

Solution:
The fail-safe TS 97 FL XEA door closer allows users to open the door with practically no resistance for barrier-free access. It is suitable for door leaves up to 1,400 mm in width and serves as a fitted door closer with fail-safe for doors. The XEA design also goes seamlessly with other dormakaba components while the door closer impresses with its adjustable closing time. In the event of a fire, the pulse emitted by the integrated smoke detector with integrated power pack causes the door to close, even if there is a power failure. The contemporary c-lever pro door fitting allows for access control. Equipped with the TouchGo function, the lock is unlocked by touching the handle as long as the user has a small user medium with them in their pocket/bag. There's no need to dig around for your card or smartphone. The c-lever pro can be installed on almost any door.

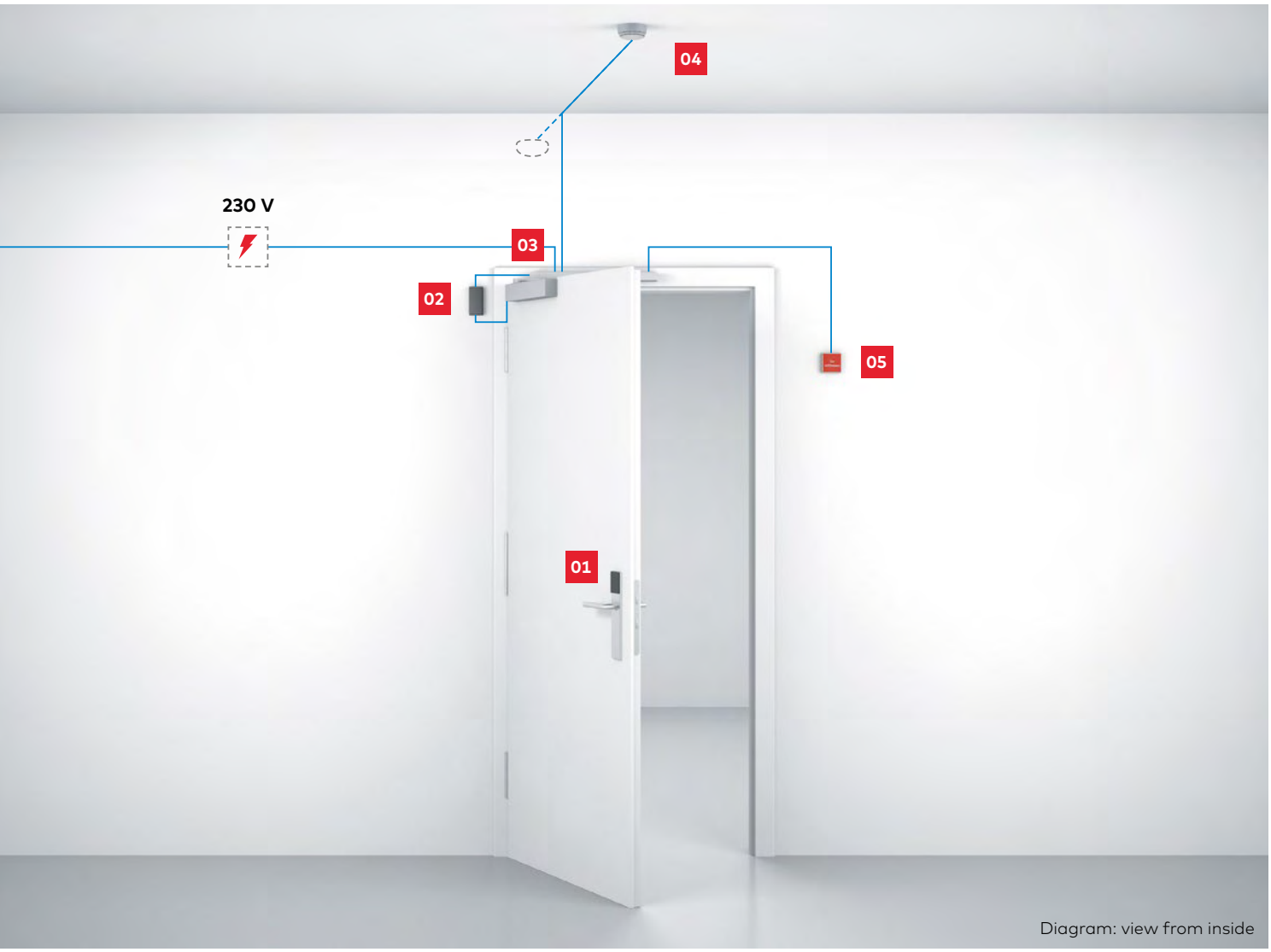


Diagram: view from inside

Electronic door fitting c-lever pro TouchGo
Available in the E110 version for up to 100 users or in the E310 version for up to 1,000 users. Sound and light to signal access authorisation.

TouchGo user medium
Available as a key fob, card holder or wristband. Can stay in the bag/pocket, attached to work uniform or used as a wristband for residents and patients in care homes.

TS 97 FL XEA
The TS 97 FL XEA in XEA design, for door widths up to 1,400 mm, is a hold-open system with fail-safe.

Product overview

01 Electronic door fitting c-lever pro TouchGo
02 Smoke detector with integrated power pack
03 Door closer TS 97 FL
04 Optional smoke detector RM-N, two-sided, for lintels ≥ 1,000 mm
05 Door-close push button

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 23

✓	**Fire protection** | BS EN 1154, BS EN 1155, BS EN 14637
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	Escape route/escape route security system
✓	**Access control**
✓	Intruder detection
✓	Interior design
✓	Emergency opening
✓	**Service** | Installation, commissioning and maintenance

Interior construction and architecture

Apartment entrance door, barrier-free

Apartment entrance doors separate private apartments from communal areas. With a locking system and corresponding locking authorisation, these areas can be connected intelligently with just one key. Barrier-free access should also be ensured for little people, elderly residents and disabled users.

Requirement:
Access to an apartment within a shared area should be barrier-free. The door must be easy to open and close securely. Access is traditionally mechanical with a key. Break-in and preventive fire protection must be guaranteed.

Solution:
The TS 99 FLR free-swing door closer is practically unnoticeable in its function. The door is guaranteed to close securely in the event of an alarm. The TS 99 FLR door closer is a particularly good choice for barrier-free constructions in accordance with DIN 18040 or DIN SPEC 1104. The SVP 5000 emergency-escape lock with automatic locking function locks automatically after every closure. Access to the apartment is achieved using the patented, secure dormakaba quattro plus locking cylinder which can also be expanded with the SAT (service) or BAZ (adaptable) function.

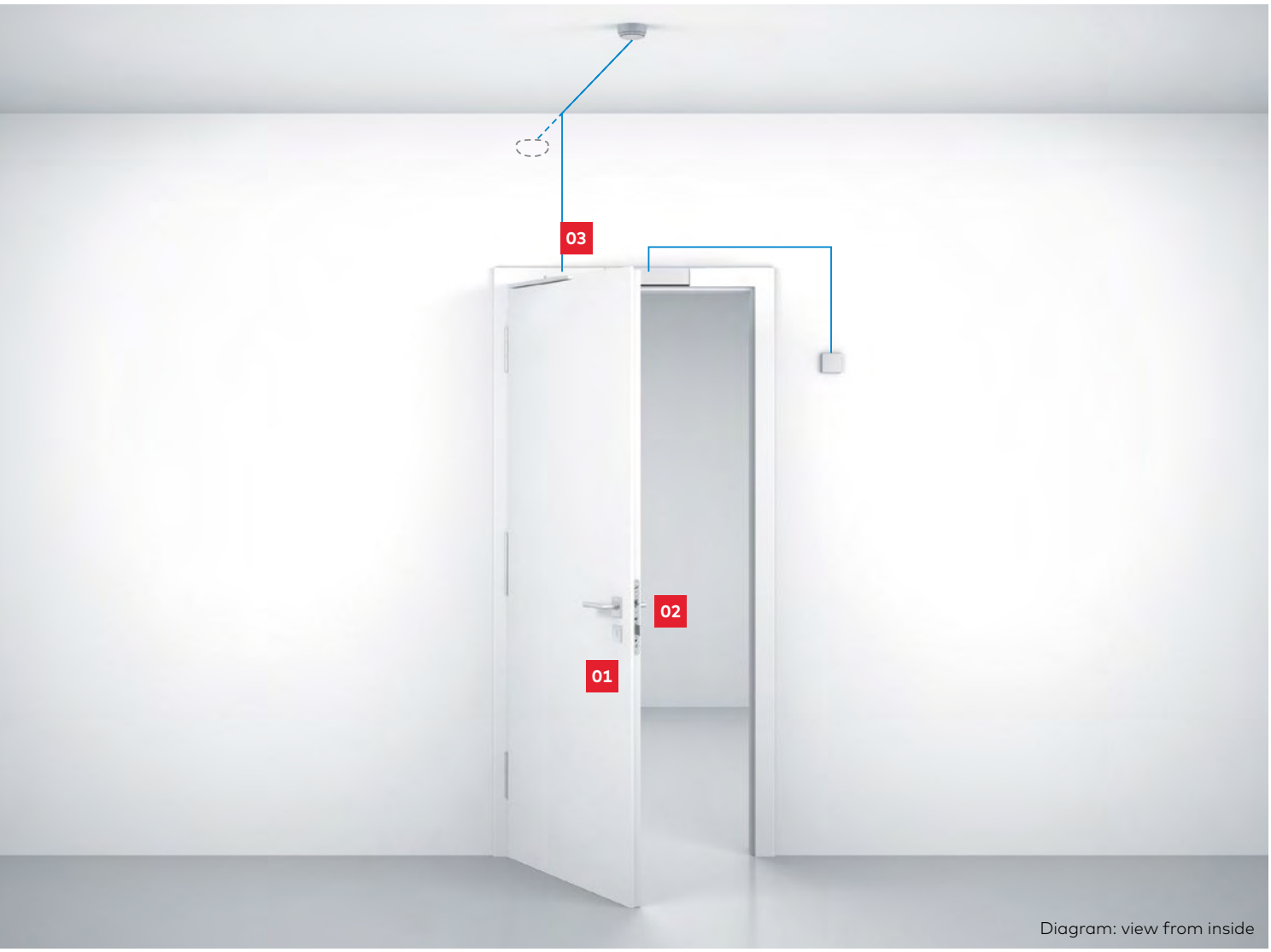
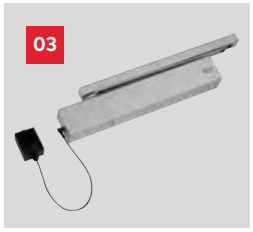


Diagram: view from inside

Kaba star cross
is a flexible, patented closing system that meets the highest security and organisational standards. A cross-shaped, mobile element in the key increases protection against illegal duplication.

SVP 5000
SVP locks automatically lock doors after each closing cycle for both convenience and security.



TS 99 FLR or TS 99 FLR-K (depending on installation feasibility).
The TS 99 free-swing door closer enables nearly resistance-free opening of fire doors.

Product overview

01 Kaba star cross
02 SVP 5000
03 TS 99 FLR

Specifications and classifications for solution 24

✓	**Fire protection** | BS EN 1154
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	Escape route/escape route security system
✓	**Access control**
✓	**Intruder detection** | Optional and depending on the system check
✓	Interior design
✓	**Emergency unlocking optional**
✓	**Service** | Installation, commissioning and maintenance

✓ Available
✓ Available as an option
✓ Not available

Interior construction and architecture

Barrier-free interior door with automatic opening.

Easy installation makes it possible to convert an existing door into a barrier-free access point. The compact door assistant, PORTEO, can open the door automatically or can be used as a support for manual access.

Requirement:
With just minimal effort, it is possible to re-design existing spaces to ensure standard-compliant barrier-free access. The necessary door opening support should be easy to install in all four installation options. A compact, adaptable swing-door drive should make even existing door more ergonomic and easier to open. An ergonomic doorknob should allow the door to be locked from the inside without the need for a key.

Solution:
The compact PORTEO door assistant can make it noticeably easier to open single doors up to 1,100 mm wide or 100 kg in weight. The Power Assist mode significantly reduces the force required. The door can also be opened completely automatically using a push button or radio remote control. The PORTEO can be easily retrofitted on most doors. The door is securely closed with a locking cylinder conveniently operated from inside the door with a thumb-turn knob.

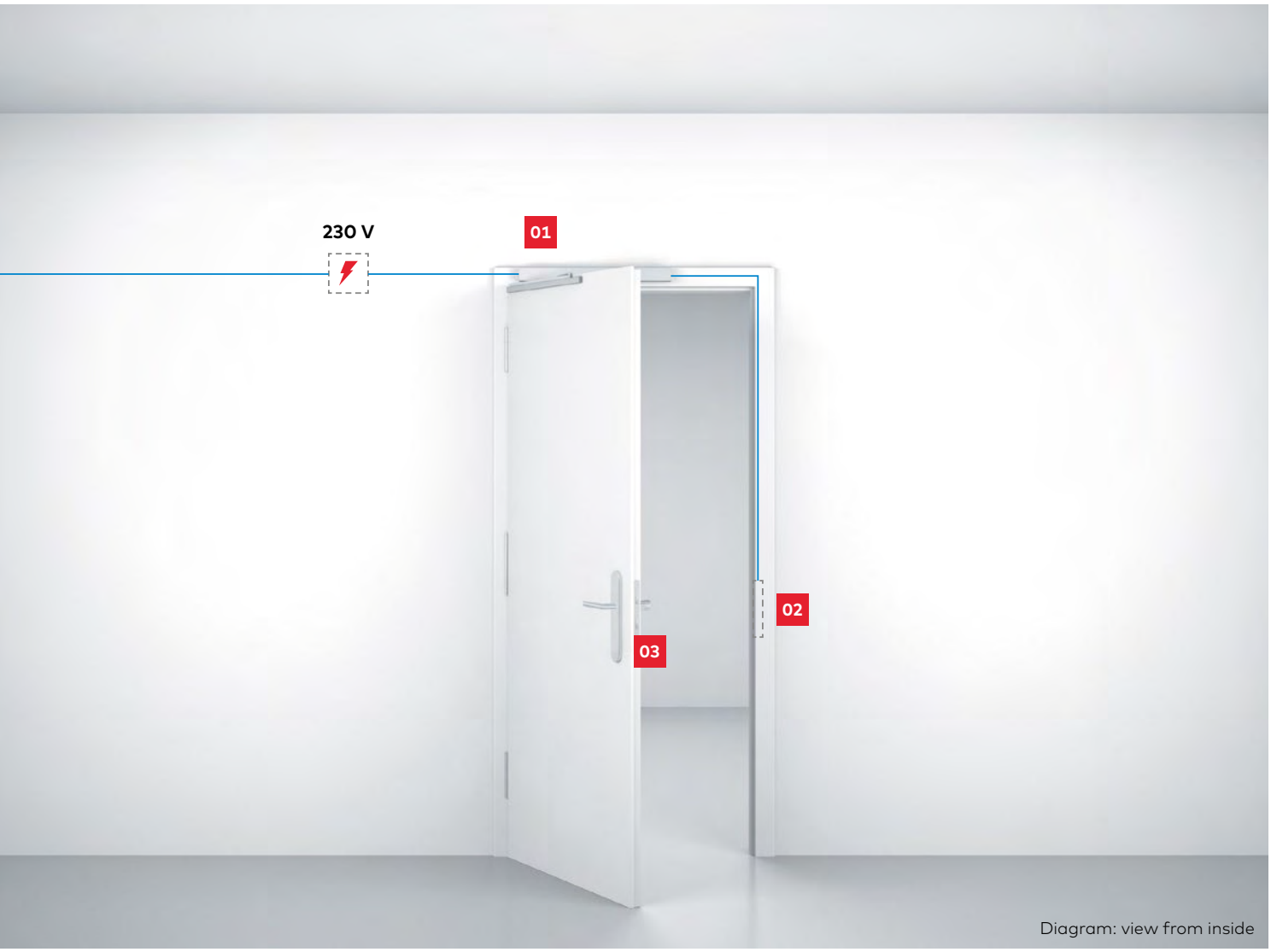


Diagram: view from inside

PORTEO
Practically unnoticeable for users with its compact dimensions (H 60 x W 530 x D 80 mm) and almost silent driving performance.

Radio hand-held transmitter for unlocking

Basic 448 Lucky electric strike
Electric strike with the Lucky Strike effect uniquely combines the benefits of direct current and alternating current door openers.

Product overview

01 PORTEO with hand-held transmitter
02 Electric strike Basic 448 Lucky
03 Locking cylinder with thumb-turn knob

Specifications and classifications for solution 25

✓	Fire protection
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	Escape route/escape route security system
✓	Access control
✓	Intruder detection
✓	**Interior design**
✓	Emergency opening
✓	**Service** | Installation, commissioning and maintenance

✓ Available
✓✓ Available as an option
✓ Not available

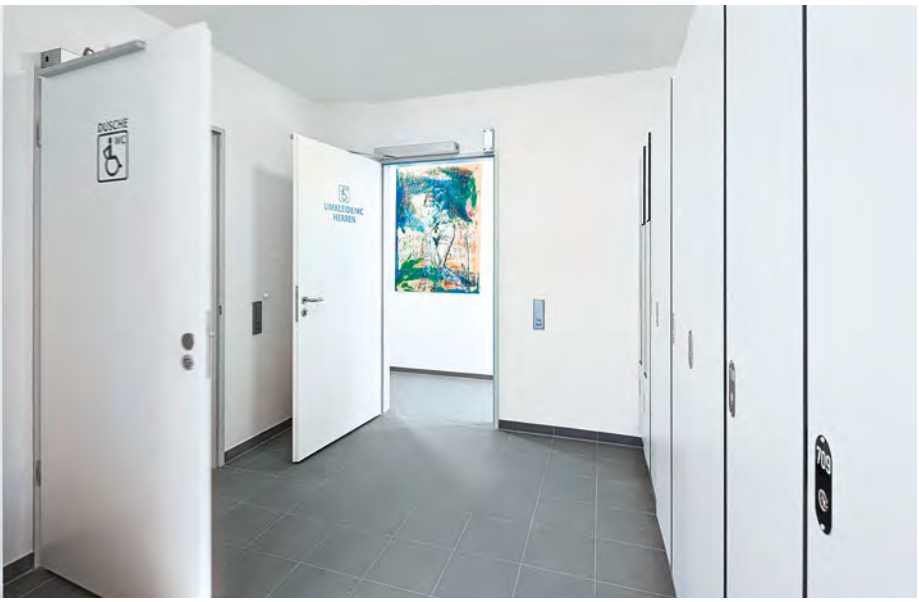
Interior construction and architecture

Barrier-free toilet with automated swing door.

The toilet swing door opens fully automatically. Triggered by a sensor, this automatic opening allows for contactless entry to ensure good hygiene. The door opens with an accessible universal key.

Requirement:
Anyone with limited physical strength or mobility needs a barrier-free, accessible toilet. The door should be opened independently from the doorknob using a separate push button, handheld transmitter or, as shown here, a universal key.

Solution:
The tested ED 100 and ED 250 swing-door drives for heavy doors open doors automatically to ensure barrier-free access. Depending on requirements, access is granted via a contactless push button, handheld transmitter or universal key. The fail-safe electric strike built into the system helps prevent unauthorised use. Indicators display engaged/vacant status.



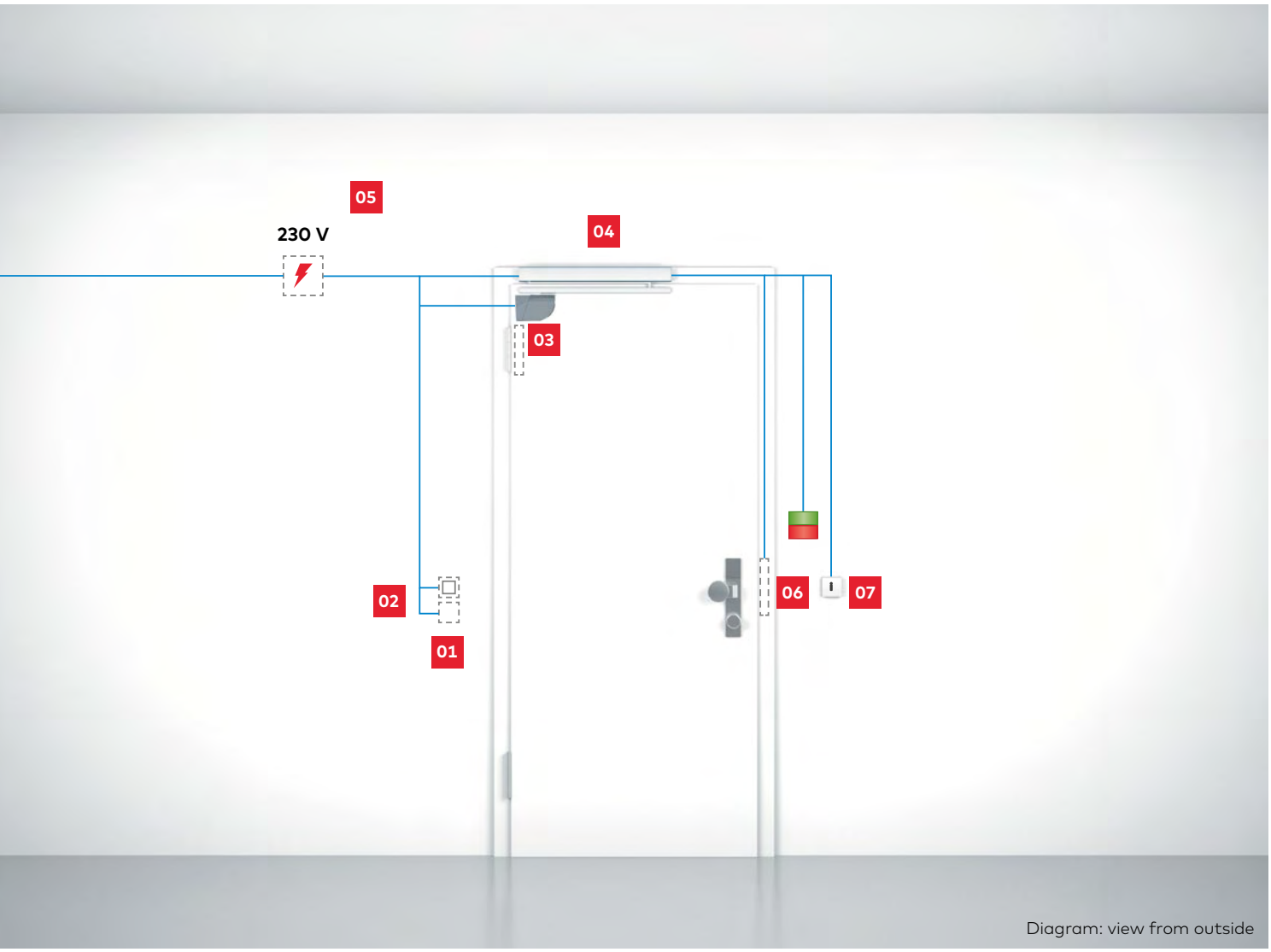


Diagram: view from outside

Cleanswitch
Serves as a contactless switch.

Swing door drive ED 100/250
The modern ED 100/250 swing door drives are easy to operate and flexible in use.

LED display
Red, green, white to show door system status.

Product overview

01 Cleanswitch contactless push button
02 Lock-door push button
03 Flatscan safety sensors
04 Swing door operator ED 100/250 for barrier-free access
05 LED display
06 Electric strike Basic 448 Lucky
07 Key switch for universal key

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 26

✓✓	**Fire protection** | Optional
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	Escape route/escape route security system
✓✓	**Access control** | Optional
✓	Intruder detection
✓	Interior design
✓	Emergency opening
✓	**Service** | Installation, commissioning and maintenance

Safety in use: DIN 18650/EN 16005

Interior construction and architecture

Automatic sliding door to wet room.

The linear magnetic drive ensures gentle sliding door movement for barrier-free access. The drive is operated automatically using a push button or motion detector to save space.

Requirement:
A patient bathroom needs barrier-free accessibility in different dimensions. This system does not require as much space as a swing door leaf and should facilitate unimpeded access for more than one person. Controlled by a motion detector or rapid hand movement. If the door is electrically locked, the indicator light displays its status.

Solution:
A sliding door with the compact CS 80 MAGNEO magnetic drive not only opens and closes gently and quickly, it also actively protects users. The door stops and returns to its open position at the slightest touch of the user. The optional locking device protects against unauthorised access. Optimum ergonomics: electronically controlled via a conventional push button or the innovative Magic Switch door sensor, which responds to hand movements in the space around it and is contactless. During a power failure, the door can be opened and closed manually.

Diagram: view from outside

Cleanswitch
The sensor uses the Doppler effect of hand movement to create a secure signal for the swing-door drive.

LED display
Red, green, white to show door system status.

Sliding door drive CS 80 MAGNEO
Available in 3 standard sizes, adjustable for door widths from 1,500 mm to 2,250 mm, suitable for wood, metal and glass doors.

Product overview

01 Push button for door locking
02 Magic Switch push button on both sides
03 LED display
04 Door locking device in the drive unit of the CS 80 MAGNEO
05 Automatic sliding door drive CS 80 MAGNEO single leaf

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 27

✓	Fire protection
✓✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	Escape route/escape route security system
✓	Access control
✓	Intruder detection
✓✓	**Interior design**
✓	Emergency opening
✓✓	**Service** | Installation, commissioning and maintenance

Safety in use: DIN 18650/EN 16005 optional
Protection quality: tested by the Deutschen Gesellschaft für Gerontotechnik [German Association for Gerontotechnology]

Interior construction and architecture

Manual glass or wood sliding door.

Increased openness even in small passageways – MUTO, minimalist on the outside, with sophisticated mechanics on the inside, easy to open and close without a power supply.

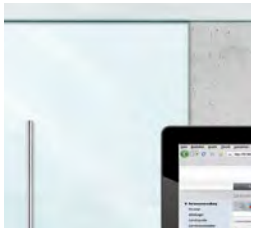
Requirement:
The mechanics of a sliding door should be almost invisible while containing all the technology – simple and compact – for easy manual opening and self-closing of even heavy laminated safety glass. Without a power supply, it should have all the relevant functions of a sliding door. Locking without additional devices must be possible. Even narrow passageways must be optimised for foot traffic and safety.

Solution:
MUTO is an easy-to-install manual sliding door system with a high-quality finish. These manual sliding doors can come in a wood or glass finish with all relevant functions adjustable from the front. In addition, users also benefit from convenient options such as the self-closing function and an integrated locking device without the need for an external power supply. A glass solution with a customised design that adapts to the architecture Available surface finishes: silver, stainless steel, white, specially anodized and other special colours With or without the dormakaba logo clips.

Diagram: view from outside

DORMOTION
The DORMOTION function stops the door leaf softly at the last centimetre and gently moves the door to its end position with automatic function.

Invisible locking device
The electromechanical locking device is seamlessly integrated in its housing. The lock can be locked conveniently using a remote control or wall switch.



Status indicator
The status indicator makes it easy to monitor the sliding door. As soon as the door opens or closes, a status signal is sent to the building management system.

Product overview

01 Push button locking device
02 Locking device
03 MUTO
04 Push bars

Specifications and classifications for solution 28

✓	Fire protection
✓	**Barrier-free design** | According to DIN 18040
✓	Escape route/escape route security system
✓✓	**Access control** | Optional
✓	Intruder detection
✓	**Interior design** | Corrosion class 4 according to BS EN 1670
✓	Emergency opening
✓	Service | Installation, commissioning and maintenance

✓ Available
✓✓ Available as an option
✓ Not available

Interior construction and architecture

Swing door in an all-glass system without frame.

The beautiful transparency of a glass door. The minimalistic corner fittings allow the door to move securely without a stabilising frame. Access control is integrated into the electronic door fitting.

Requirement:
The door in an all-glass system must fit without a frame. The transparency should not be affected. Access control with electronic door hardware must also fit into the door system without cables and frames. The fittings should be as compact as possible and also hold heavy laminated safety glass. The door should also be able to be calibrated at any time without disassembly. The fitting adapts to the thickness of the glass. The door should also be able to be retrofitted in the case of existing systems.

Solution:
THE MUNDUS corner fitting series combines straightforward design with a well-thought-out interior. With the cap detached, all dimensions are quick and easy to adjust – pivot point, flight and zero position – without removing the door. The mechanism adapts to the thickness of the glass and can be endlessly adjusted using a screw system without intermediate layers. This means that even heavy laminated safety glass can be fixed in place. The c-lever compact door fitting matches the overall transparent design. Without a cable or an extra registration unit, access is authorised with an RFID card, key or smartphone. High-tech – mechanical and electronic.

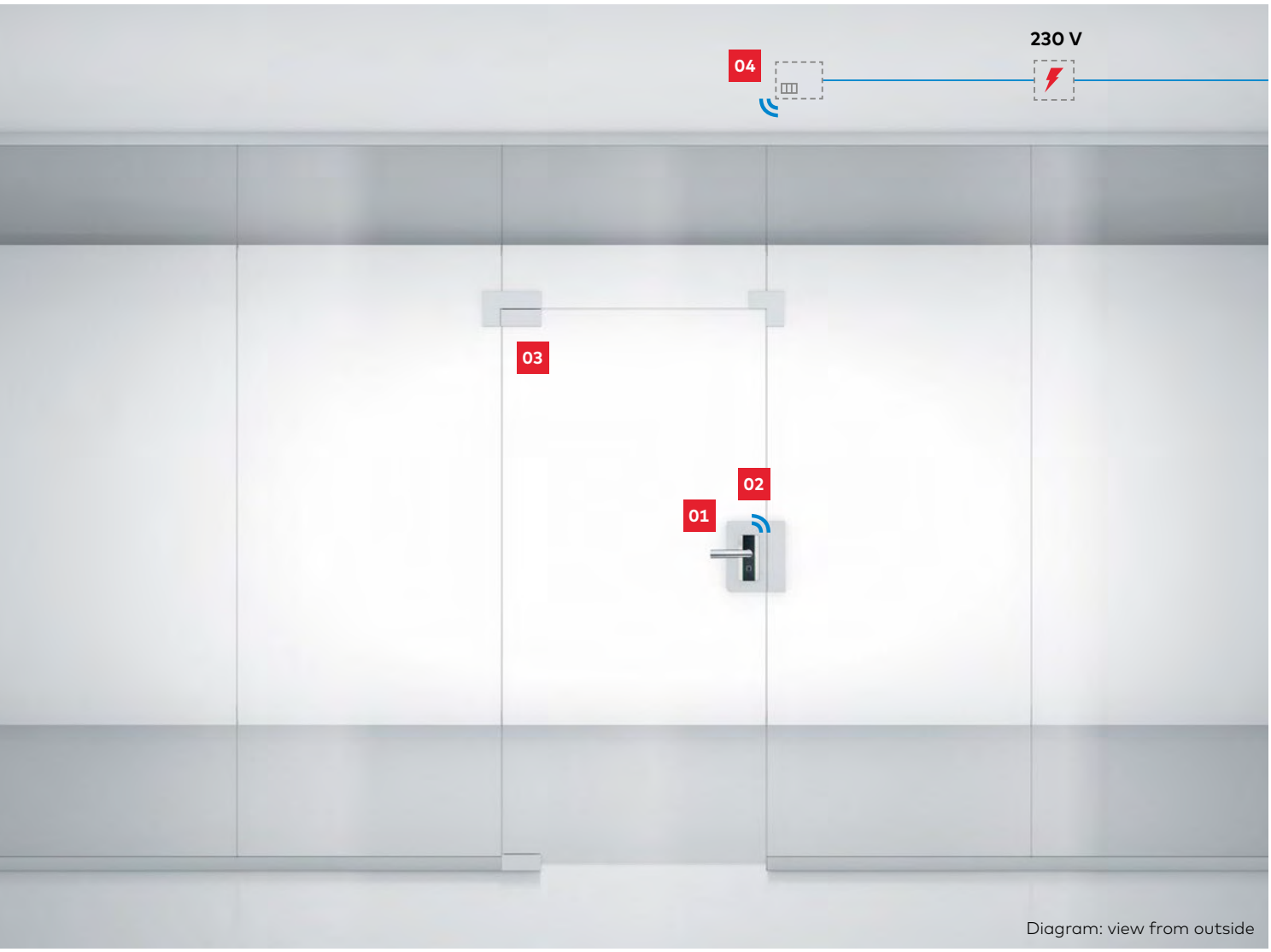


Diagram: view from outside

Electronic door fitting c-lever compact
The electronic c-lever compact fitting offers a stylish, award-winning design combined with a wide range of functions.

Corner fitting MUNDUS
The door can be adjusted quickly using screws without the need for disassembly.

Wireless Gateway 90 40
The Wireless Gateway 90 40 connects wireless door components to the access system wirelessly.

Product overview

01 Electronic c-lever compact door fitting
02 Junior Office fitting
03 MUNDUS corner fitting
04 Wireless Gateway 90 40

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 29

✓	Fire protection
✓	Barrier-free design | According to DIN 18040
✓	Escape route/escape route security system
✓✓	**Access control**
✓	Intruder detection
✓✓	**Interior design** | Corrosion class 4 according to BS EN 1670 and 1,000,000 test cycles, based on EN 12400
✓	Emergency opening
✓	Service | Installation, commissioning and maintenance

Safety in use: DIN 18650/EN 16005

Interior construction and architecture

Room system made of glass in a uniform design

Transparency and partitioning combined, thanks to slim, sound-insulating profiles. The integrated cable management means switches, sockets and locking systems are positioned directly on the glass surface.

Requirement:
Large rooms must be functionally divided without losing their visual openness. The security of the respective areas can be increased by electronic access systems. Barrier-free design must be guaranteed. Doors can be automated without affecting the system design. In addition to glass, elements for sound insulation and ambience must also fit the overall structure.

Solution:
UNIQUIN is a modular system that can structure functional areas in a variety of ways without excluding daylight. This allows spaces to be separated and flow into one another thanks to slim profiles and intelligent details. Cables are hidden in the door frames, 90° corners are stable even without vertical posts. The new transparent spaces are sound insulated from one another. Acoustic elements optimise the ambient sound, profiles decouple the enclosed glass for sound insulation. The uniform design and colour of the elements refines the glass surfaces. The metal surfaces can be adapted by colour to fit the surroundings. The uniform look also includes sliding door rails and door closers. In addition to glass, wood or other materials can be fitted in thicknesses from 10 to 19 mm.

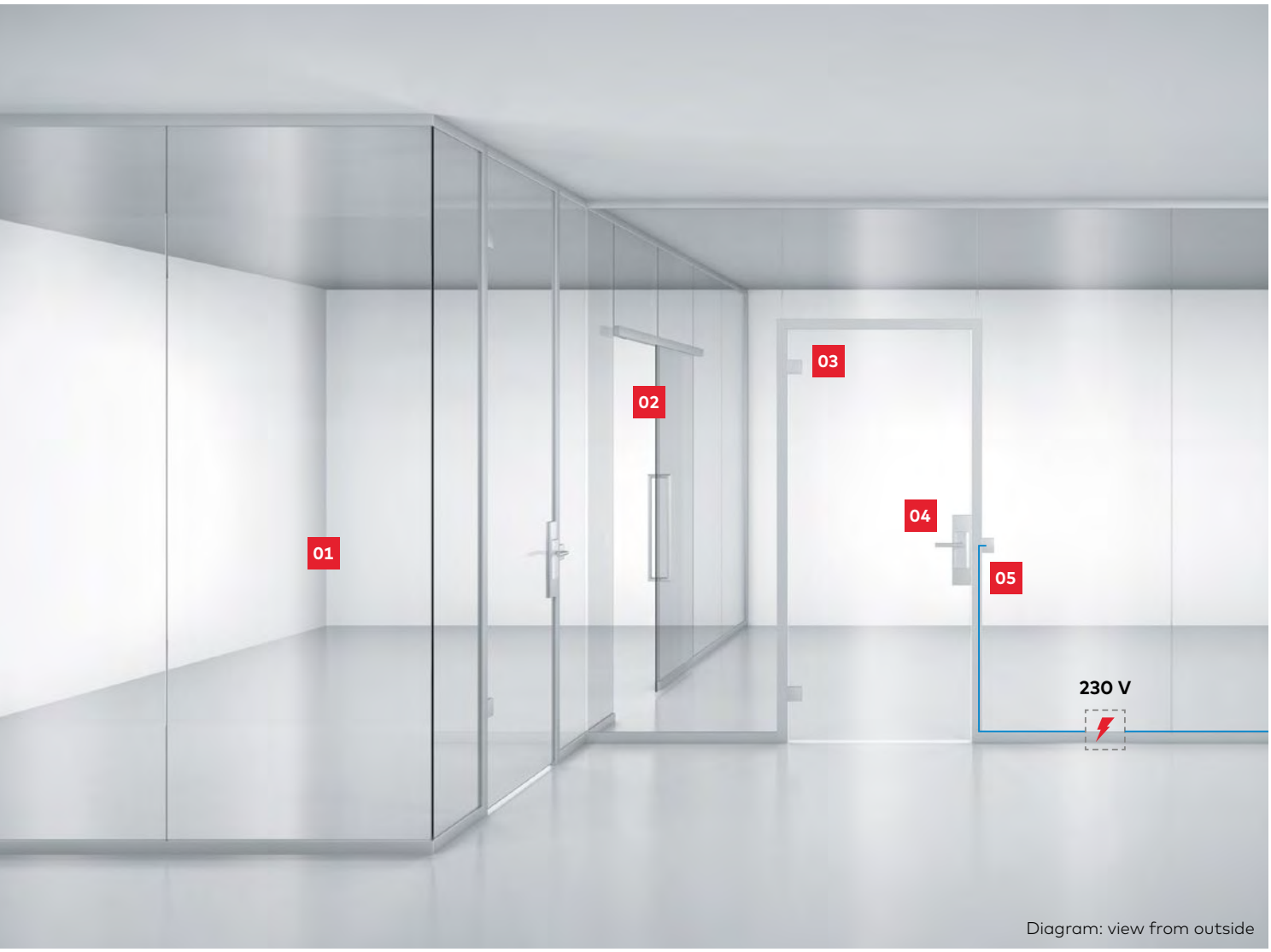


Diagram: view from outside

Sliding door
Create access points without wasting space. It's possible with UNIQUIN single-leaf or double-leaf sliding doors.

Swing door
Doors for selective privacy or a touch of home. You can choose. With uniform frames for glass doors with thicknesses from 10–19 mm and wood doors with thicknesses from 40–50 mm.

UNIQUIN
UNIQUIN doors integrate cable routing into the profile. Switches and sockets can also be placed where you need them.

Product overview

01 UNIQUIN room system
02 Manual sliding door as part of the system
03 Swing door as part of the system
04 Standard lock/emergency-escape lock with locking cylinder
05 Mounting element for socket and switch on profile

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 30

✓	Fire protection
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	Escape route/escape route security system
✓✓	**Access control** | Optional
✓	Intruder detection
✓	**Interior design**
✓	**Emergency opening**
✓	Service | Installation, commissioning and maintenance

Safety in use: DIN 18650/EN 16005

Interior construction and architecture

Framed swing door in an all-glass system with access control.

Well-thought-out profiles and fittings provide increased security for room partitioning. Thanks to electronic access control and acoustic decoupling, even glass systems can protect valuable information.

Requirement:
Every company has high requirements for meeting rooms. Glass architecture should show transparency while protecting the sensitive information contained within with glass partitions and doors. UNIQUIN profiles hold solid elements made of glass, wood or other materials. The access control system should control door access securely, individually and conveniently.

Solution:
UNIQUIN systems contain effortless technology. The discreet elements ensure a high level of safety with access control directly on the electronic c-lever compact door fitting. Clear design: no need for an additional registration unit for RFID or Bluetooth media. The authorised user simply holds his/her access card or smartphone up to the slim c-lever compact. The door opens gently thanks to the compact TS 97 slide-channel door closer that guides the door securely and softly back to its closed position where it then locks at two points using the SVP 5000 emergency-escape lock. In emergencies, the door can be quickly opened from inside.

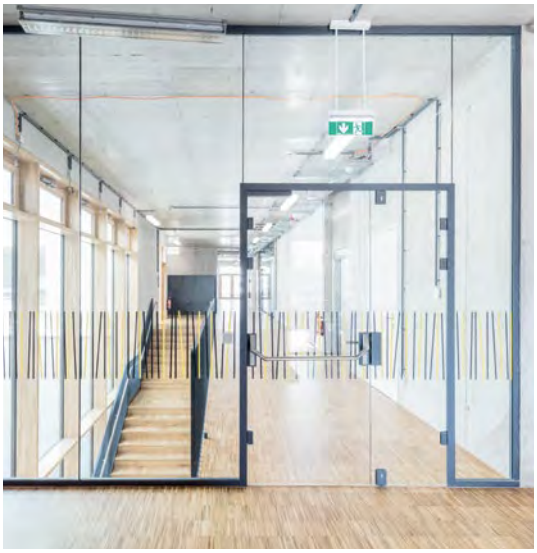


Diagram: view from outside

Slide-channel door closer TS 97
Uniform closer body lengths and slide-channel installation heights of just 37 mm, moves doors up to 1,100 mm, adjustable closing force 2–4 EN, cushioned limit stay as standard.

Electronic door fitting c-lever compact
Open your door in the normal way. After presenting the valid access medium, a green signal appears on the digital light unit and you can operate the door as usual with the lever handle.

Emergency-escape lock with automatic locking function SVP 5000
Locks doors automatically upon closure – convenient and secure.

Product overview

01 Slide-channel door closer TS 97
02 Electronic c-lever compact door fitting
03 Emergency-escape lock with automatic locking action SVP 5000
04 Mounting element for socket and switch on profile

Specifications and classifications for solution 31

✓	Fire protection
✓	**Barrier-free design** | According to DIN 18040 and DIN SPEC 1104
✓	Escape route/escape route security system
✓	**Access control**
✓	Intruder detection
✓	**Interior design** | Verification of stability as per DIN 18008/DIN 4103 and noise protection according to BS EN ISO 10140 up to 39 dB
✓	Emergency opening
✓	Service | Installation, commissioning and maintenance

✓ Available
✓ Available as an option
✓ Not available

Safety in use: DIN 18650/EN 16005

Interior construction and architecture

Elegant full-glass sliding door, double leaf and automated.

A new dimension in barrier-free design: The slim linear drive moves two glass leaves almost silently, opening with electronic access control and closing gently by itself.

Requirement:
Sliding doors in contemporary interior design require automation that is both functional and perfectly shaped. The following are mandatory: compact dimensions and a design that takes a back seat and is integrated holistically into the ambience. Equally important is silent motion during every phase of the door movement. Barrier-free accessibility must be evident to the user, preferably with contactless door control.

Solution:
A subtle door rail moves the door leaf aside almost silently – the linear magnetic drive CS 80 MAGNEO is small but powerful. It opens and closes quickly and gently, even for glass doors weighing up to 80 kg each. What's more, the door technology actively protects the user. The door stops and returns to its open position at the slightest touch of the user. The optional locking device protects against unauthorised access. The electronic control unit also features clever ergonomics with a motion detector or compact reader 91 04 combined with the access manager 92 00 to control access using an RFID medium. In the event of a power failure, the door can be manually opened and then closed again with minimal effort.

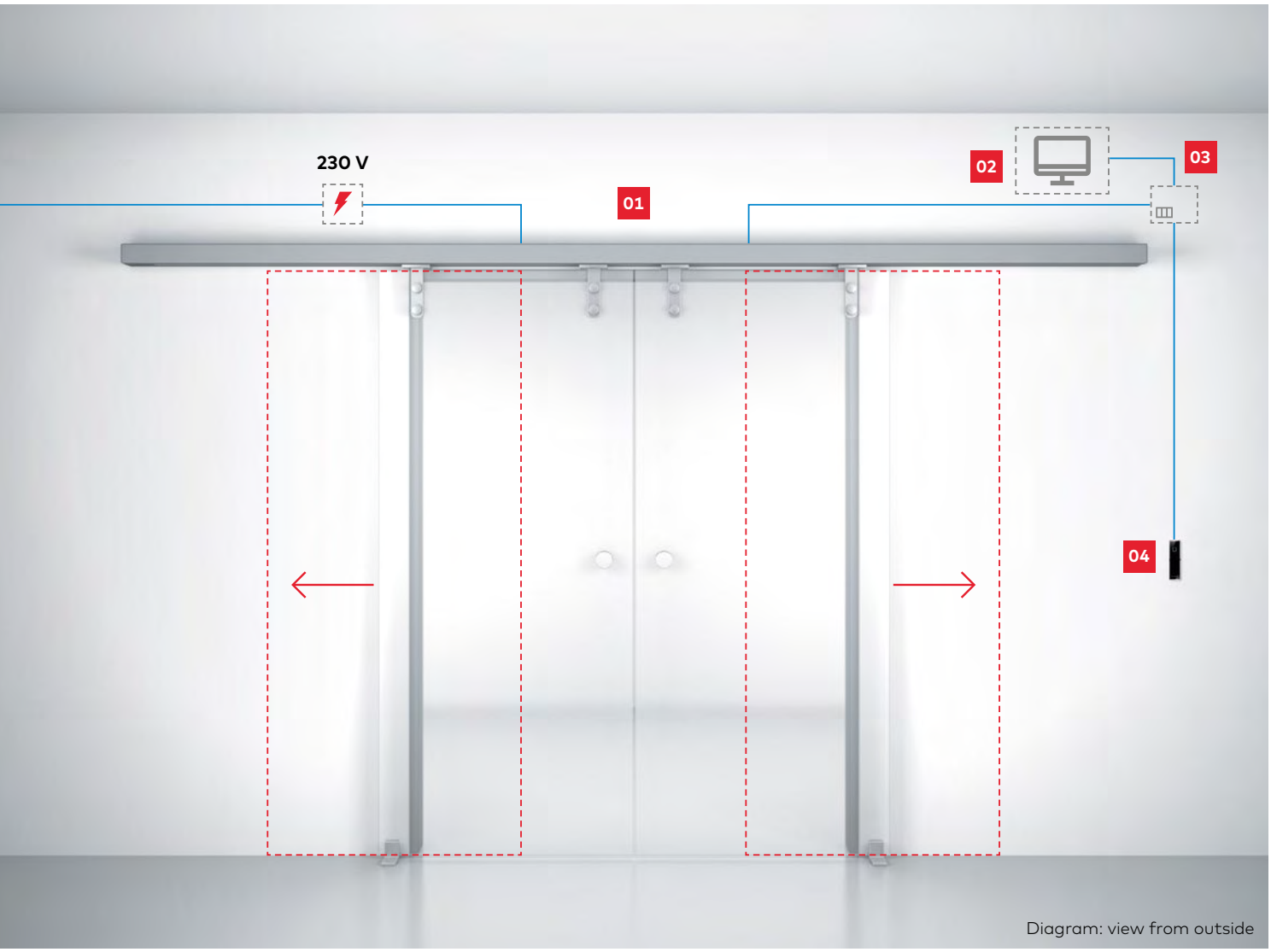


Diagram: view from outside

Sliding door drive CS 80 MAGNEO
Available in 3 standard sizes, adjustable for door widths from 1,500 mm to 2,250 mm, suitable for wood, metal and glass doors.

Access manager 92 00
A high-performance control unit for all contemporary security concepts that manages and controls up to 12 doors depending on the system solution.

Compact reader 91 04
Universal installation thanks to its slim design. Can be integrated in various dormakaba systems, online or in stand-alone operation.

Product overview

01 Automatic sliding door drive CS 80 MAGNEO, double leaf
02 Access management software according to requirements
03 Access manager 92 00
04 Compact reader 91 04

✓ Available
✓✓ Available as an option
✓ Not available

Specifications and classifications for solution 32

✓	Fire protection
✓	**Barrier-free design** | According to DIN 18040
✓	Escape route/escape route security system
✓	**Access control**
✓	Intruder detection
✓	**Interior design**
✓	Emergency opening
✓	**Service** | Installation, commissioning and maintenance

Safety in use: DIN 18650/EN 16005

Interior construction and architecture

Glass sliding wall with movable rotating/pendulum sliding panels.

A transparent surface made of laminated safety glass without vertical profiles. Holds two rails at the top and bottom and guides the leaves for quick opening and locking.

Requirement:
A horizontal sliding wall for use in shopping areas must be versatile, providing stability and flexibility while ensuring transparency and isolating different areas. The continuous glass wall must resist physical impacts and vandalism. A secure multipoint locking system with status control is a must in retail. The glass wall must waste no space when pushed aside. These walls should encourage shoppers to enter. The passage in the glass wall should also be reduced to one or two swing doors without installing extra door systems.

Solution:
The HSW EASY Safe horizontal sliding glass wall uses the same leaves to form a transparent surface without vertical frames. Whether straight or angled, the system adapts to the architecture and is also suitable for modernising old buildings. Laminated safety glass is installed directly into the horizontal door rails using tried-and-tested clamp-and-glue technology. The system impresses in its day-to-day operation with its smooth, edge-free movement. The glass wall can be completely moved to the side. As an alternative, only one or two doors are used as swing doors The door closer is seamlessly integrated into the upper profile The door leaf can be locked at three profile points with a side lever, front foot push or a cylinder lock. Two red-green status displays indicate whether the door and slide functions are unlocked or locked.

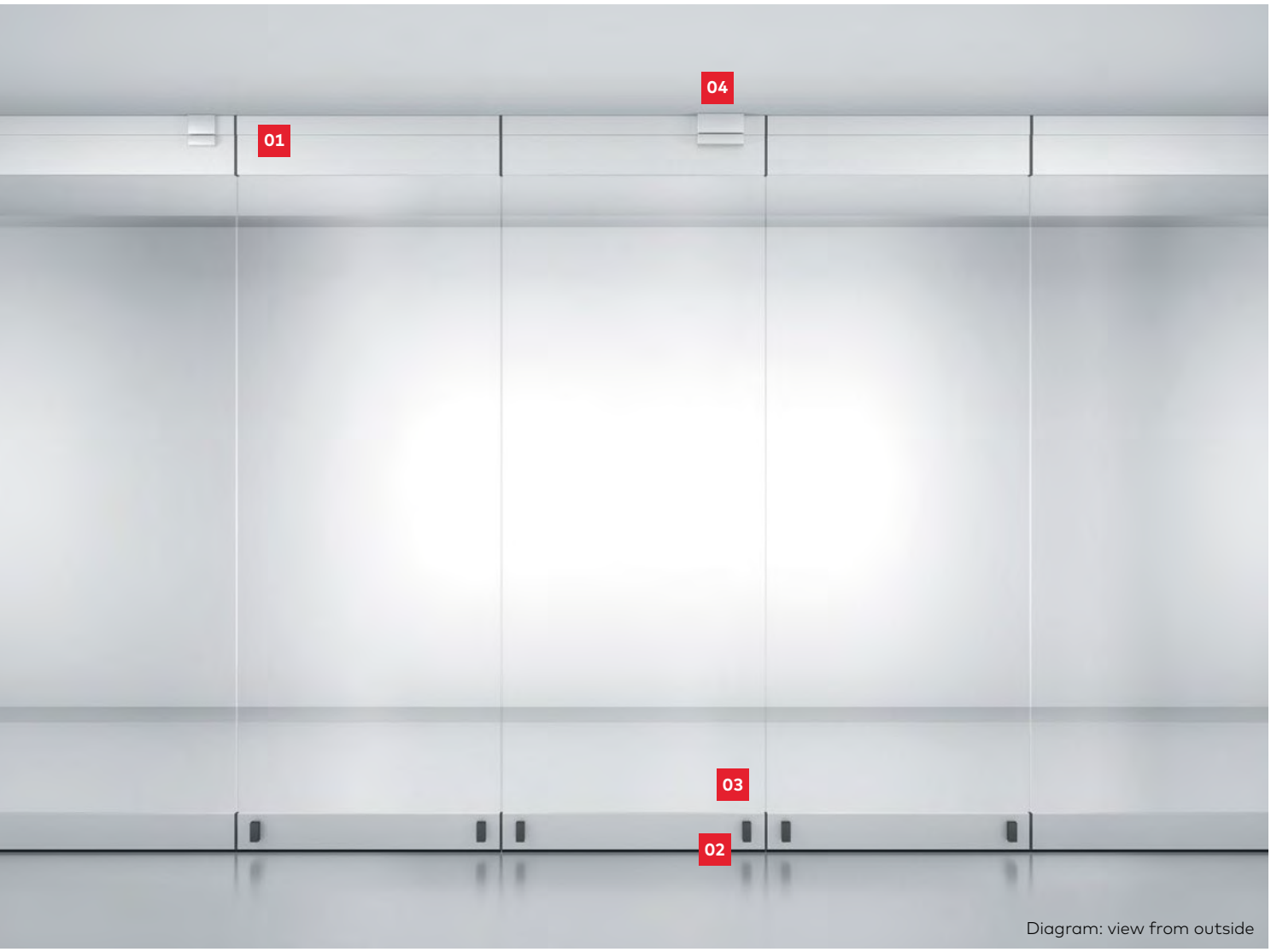


Diagram: view from outside

Door closer ITS 96 2-4
Completely integrated into the upper door rail, invisible when door is closed.

Multi-lock
3 options for door fixing: on the leading edge with manual lever, on the front with foot push or with a locking cylinder.

Status display
For the door leaf's movement function: Slide function locked or open, door function locked or open.

Product overview

01 Door closer ITS 96 2-4
02 Multi-lock
03 Locking cylinder dormakaba gemini plus
04 Locking device with status display

Specifications and classifications for solution 33

✓	Fire protection
✓	Barrier-free design | According to DIN 18040
✓	Escape route/escape route security system
✓	Access control
✓	**Intruder detection** | Shock-proof grade 5 according to BS EN 13049 (simulation and impact loads)
✓	**Interior design**
✓	Emergency opening
✓	**Service** | Installation, commissioning and maintenance

✓ Available
✓ Available as an option
✓ Not available

Interior construction and architecture

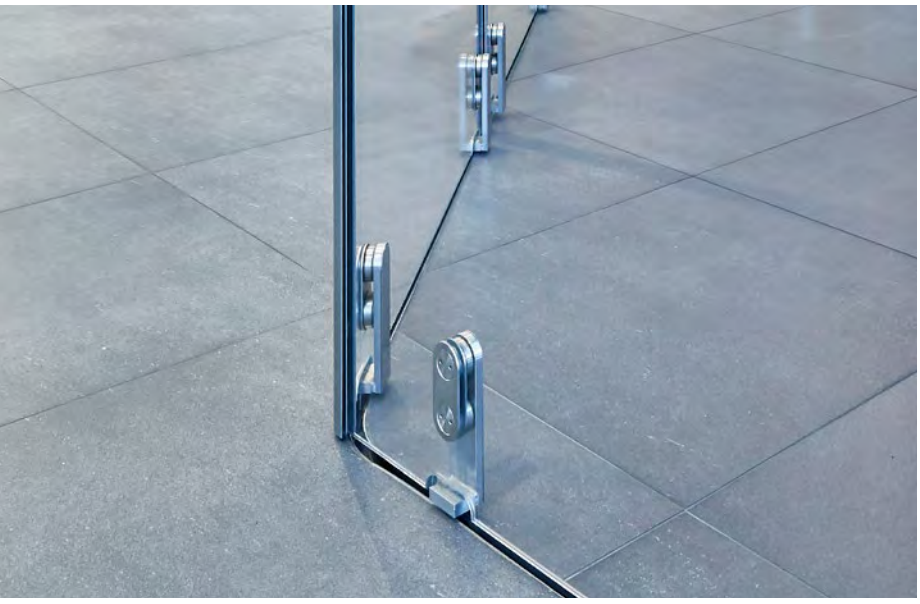
HSW-EM: the automatic solution for security and comfort

dormakaba HSW-EM is a top-of-the-range system for automatic sliding walls. Its flexible, comprehensive concept can be individually adapted to any room layout.

The partition can be installed in a straight line or arc. With leaves that can be moved separately, it offers a wide range of design options. The individual glass elements are available in tinted, matt, transparent and printed variants. The HSW-EM partition therefore fulfils your requirements and harmonises with your design concept. Thanks to the automatic drive, it opens and closes effortlessly. A convenient solution for on-demand opening and closing of a salesroom or counter in a certain area, during opening times or certain weather conditions, or for a particular situation.

The sliding wall system is also suitable for securely separating sensitive areas. The HSW-EM is available in two variants: without security requirements or in an RC2-certified version. Security without compromising design: the dormakaba HSW-EM glass partition wall.

- Convenient automatic opening and closing
- Partition for high security requirements
- Flexible planning options



Properties

- Free glass edges for high transparency with CNS point supports or glass clamping rails at the top and bottom (RC2 with delicate vertical CNS profiles)
- High degree of reliability and functionality thanks to individually driven elements
- Monitoring of leaf position
- Integrated escape route door possible
- Automatic locking after closing
- Leaves can be moved manually in an emergency

Technical data

- Tested and certified: Intrusion resistance class RC2
- Maximum system height: 4,000 mm / RC2 3,500 mm
- Maximum leaf width: 1,500 mm
- Maximum leaf weight: 180 kg
- Maximum number of sliding leaves: 40
- Glass thicknesses: 10–13.5 mm
- Profile system elements: All-glass, MANET, all-glass RC2, MANET RC2
- Drive unit height: 176 mm
- Drive unit width: 140 mm
- Driving speed 80–150 mm/s
- Force limitation adjustable 0–150 N

Applications

- Retail stores, shopping centres
- Banks and insurance companies
- Hotels
- Airports
- Stadiums
- Railway stations

WN 052784515 32, 01/20, DE, 2, JP/GRD, 01/21
Subject to modifications without prior notice

Door Hardware

Entrance Systems

Electronic Access & Data

Interior Glass Systems

Mechanical Key Systems

Safe Locks

Lodging Systems

Service

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