

Available now  
**Virtual  
network**



# Xesar

Product catalogue | 2016

**More than just a catalogue**

This catalogue features all the essential information about the innovative, electronic Xesar locking system. For which types of facilities is Xesar best suited? How does it work? What are the benefits of Xesar?

Find all the right answers to your questions in this catalogue.

Do you value personal support? Do not hesitate to contact EVVA or your EVVA-Partner – they will be happy to help you at any time.

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# Xesar

» Versatile security solutions  
for professional use «



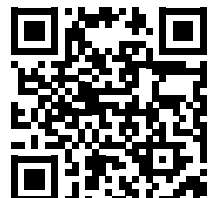
Xesar is the innovation from EVVA. Developed and manufactured in Austria, the electronic locking system offers companies a wide variety of products, areas of application and elegant, timeless design. Easy installation, the free Xesar software and the unique KeyCredits are just a few of the many Xesar benefits.

### Xesar benefits at a glance

- » A more cost-effective introduction for businesses
- » Versatile product range
- » Innovative design
- » Flexible and easy assembly on site
- » Quality made in Austria



Everything about Xesar –  
easily explained.



**Xesar virtual network**

The Xesar wall reader with updaters control unit is the new security interface within the Xesar system. It enables continuous security updates for doors and media.

» Page 34



**Transparent security**

You are always up-to-date in terms of security thanks to the Xesar software 2.1.

» Page 94



**Useful delete key**

The software notifies of unlocking attempts by blocked identification media and their deletion.

» Page 94



**Practical time profiles**

Time profiles can be pre-configured and transferred to a certain user group.

» Page 94



**Installed immediately**

Xesar software 2.1 is installed in just a few steps. Many of our features are free of charge.

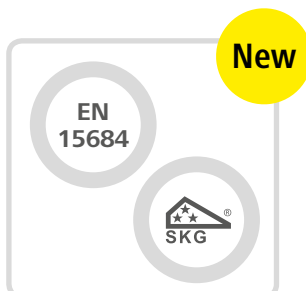
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**The best, new certificates**

Top score: Xesar cylinder. Now certified as per EN 15684

» Page 111



Release  
**2.1**

**What's new at a glance**

The 2.1 release brings about numerous new features:

- More security.
- Greater convenience.
- Simpler processes.

**The best thing about it:** each Xesar hardware item can be easily updated

» Pay per key – only pay for what you need. «

Free software with Pay per key  
» Page 95, 98

# EVVA | A tradition with a future

Founded in Vienna in 1919, the EVVA Group is now represented by the headquarters in Vienna, 10 subsidiaries in Europe and distributors worldwide. EVVA employs around 800 people throughout Europe.

Three engineers joined forces in 1919 to form the "Erfindungs-Versuchs-Verwertungs-Anstalt" (Invention, Experimentation and Application Institute), or EVVA for short. In 1937, EVVA received the first patent for a cylinder padlock, helping the company to strike out on the path of security technology. Nikolaus Bujas took over the company in 1973, invested in machinery and expanded the in-house research and development department.

### Research, development + expansion

At the end of the 1970s, Sven Berlage pushed forward the expansion of the branches, as well as export and international positioning of the company. Since 1999, Stefan Ehrlich-Adám has been the third generation at the head of the

family-run company. He is setting the course for a successful future for EVVA. Alongside tradition, research and development are key focus areas. Innovation and development are important elements to help EVVA grow into a major, international player. EVVA is already a leading manufacturer of access solutions in Europe.

### Perfect mechanical solutions + innovative electronic solutions

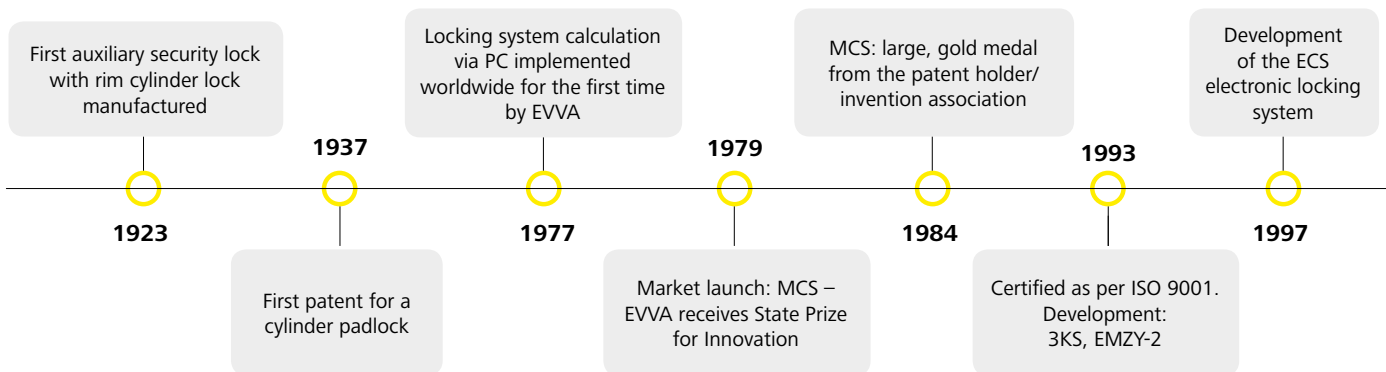
EVVA as a company with a tradition is amongst the top suppliers of mechanical locking systems.

In 2014 EVVA launched Xesar and AirKey, the two innovative electronic locking systems which are a result of our long lasting professional experience.

### Facts + figures

- Headquarters in Vienna + ten branches
- 800 employees throughout Europe
- EVVA supplies in over 50 countries all over the world
- TRIGOS Award 2012
- 2011 City of Vienna environmental award
- CONSECUTIVE, ANNUAL ÖKOPROFIT awards since 1999
- Certified as per ISO 9001

### Overview of innovations



**EVVA –  
innovation  
since 1919**

EVVA continues to invest in its workforce



### Corporate social responsibility (CSR)

For EVVA, CSR is more than just image, it is a necessity. Particularly for top technology companies, it is essential to work as sustainably as possible. Protecting environmental resources, investing in employees and paving the way for economic success.

Photovoltaic energy generation at EVVA



### Clean production

EVVA is increasing its focus on an oil- and water-free manufacture of products. This type of production, known as clean production, offers a wide range of advantages. EVVA has received numerous prizes for sustainable innovations. Examples include the Leonardo Award 2004, the Environmental prize 2011 from the City of Vienna, the TRIGOS Award 2012, as well as the annual "Ökoprofit-Auszeichnung" (Ecological Project for Integrated Environmental Technology Award) every year since 1999.

1999

Development of MCS in the modular system

Development of the motorised cylinder EMZY "MKT 35"

2002

2006

Development of new mechanical locking systems (EPS, 3K*Sp*lus)

EPS market launch

2008

2009

Launch of ICS and e-primo

Launch of the innovative, electronic Xesar and AirKey locking systems

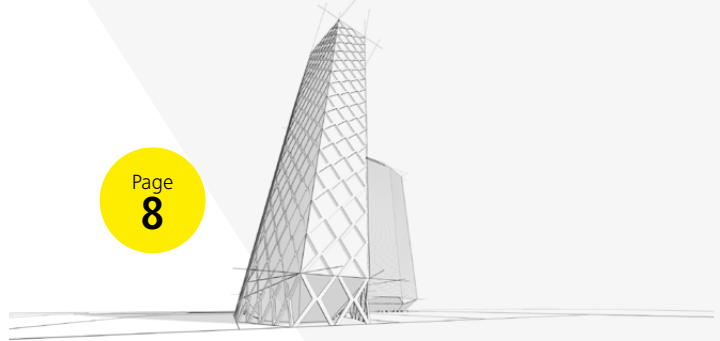
2014

# Xesar | Solutions

## Office

Agencies, architecture firms, law firms, local authorities, publishers, IT service providers, administration buildings, government ministries, councils, banks

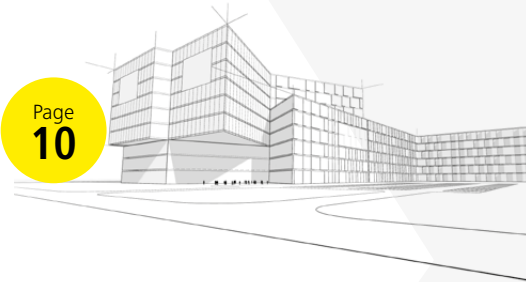
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**8**



## Wholesale + retail premises

Shops, petrol stations, warehouses, supermarkets, automotive dealerships, shopping centres

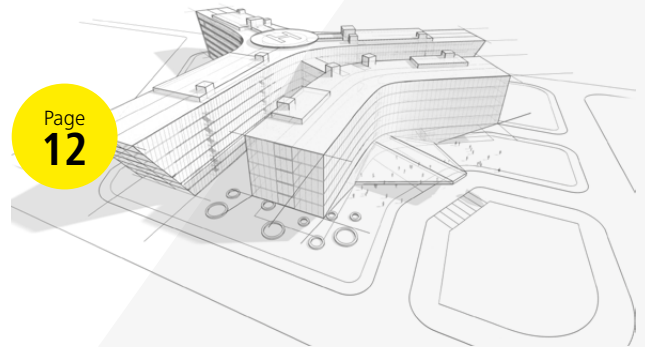
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**10**



## Health care facilities

GP surgeries, pharmacists', rescue organisations, shared surgeries, hospitals, healthcare practices, retirement homes

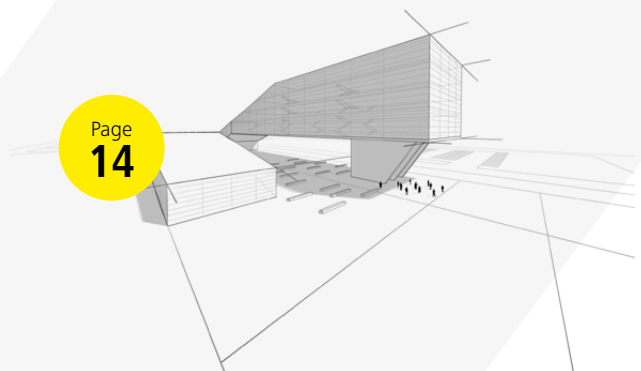
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**12**



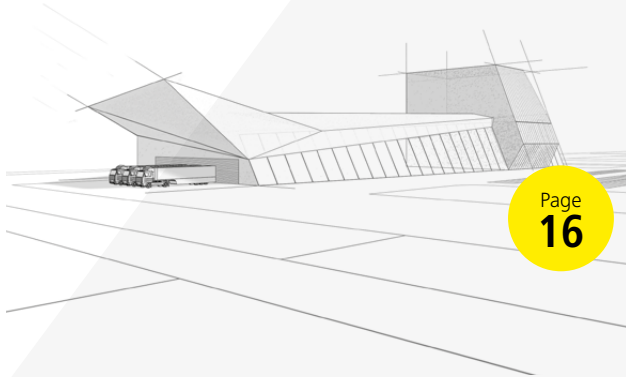
## Educational facilities

Driving schools, nurseries, music schools, schools, further education institutions, libraries, universities, colleges

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**14**



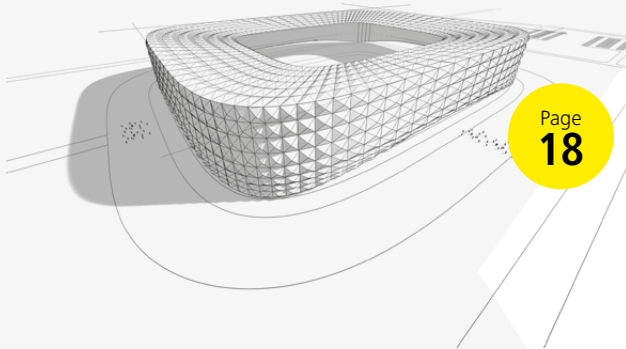




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### Retail facilities

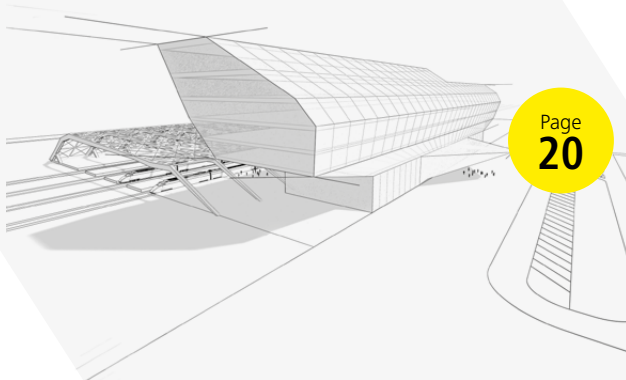
joiners, installers, roofers, automotive workshops, factories



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**18**

### Arts and leisure facilities

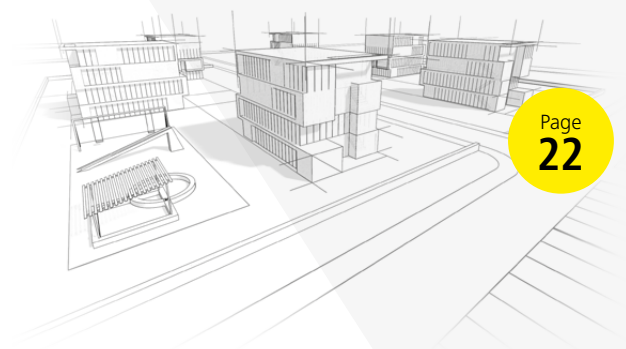
Bars, restaurants, B&Bs, galleries, churches, cinemas, theatre, sports arenas, museums



Page  
**20**

### Infrastructure facilities

Taxi companies, courier services, fire service, power plants, service stations, railway stations, logistics centres, airports

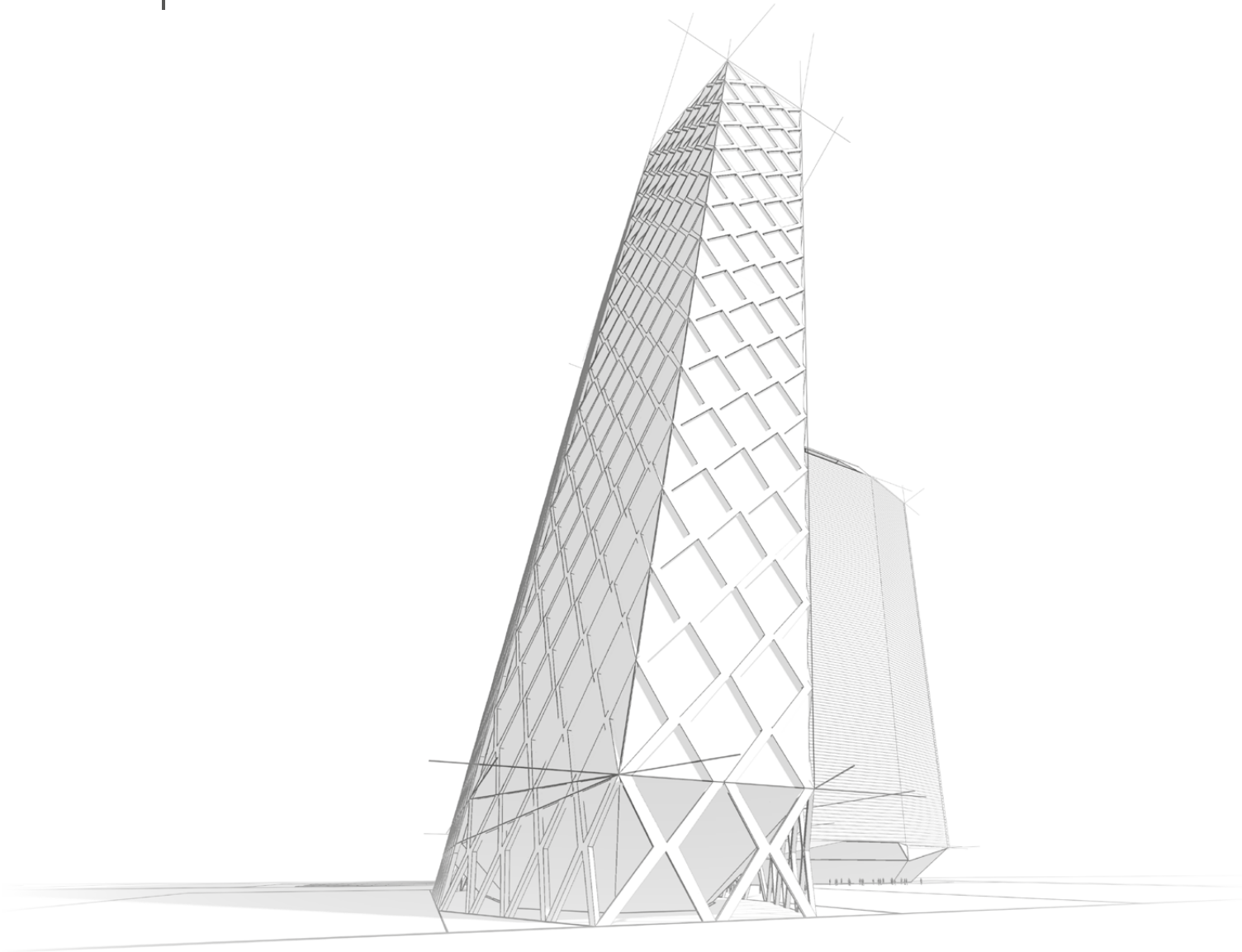


Page  
**22**

### Residential properties and condominiums

Rental properties, community nursing schemes, blocks of flats, student halls

## Xesar | Office



### Flexible road to success

Supply and demand change quickly. Developing and uncovering the potential of new markets and target groups. If you aim for corporate success, what you mainly need is flexibility. And that is exactly what Xesar has to offer.

You can concentrate on your core business while Xesar not only secures your building from the inside and outside. Xesar also facilitates administrative processes, brings about immense cost savings with the option to flexibly change access authorisations to allow to easily adapt it to the company's size at any time. As a result, if the company grows, Xesar grows with it.

## Secure business

Employees, customers, suppliers – scores of people access and exit companies every day. In this process, it is particularly important to quickly, easily and efficiently assign access authorisations.

That is exactly what Xesar has to offer. In this process, the highly secure locking system is so flexible that it can be adapted to your company's size and demands at any time.

The distinct advantage: Xesar is particularly easy to use and install, despite its highly complex, state-of-the-art security technology. Xesar also impresses with its good looks: the high-grade, timeless design ideally adapts to any business area.



### Wall reader as a multi-talent

The Xesar wall reader not only unlocks electronically actuated locking elements. The Xesar wall reader with updatet control unit and the identification media in circulation always keep the system up-to-date and secure.

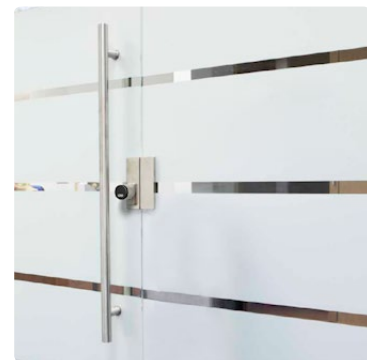
**Xesar wall reader**  
» Page 80



### For emergencies

Xesar protects your company from unauthorised access. But what happens in the unlikely event that you need to leave the building quickly? For these cases, Xesar provides escutcheons for escape and fire doors.

**Xesar escutcheon**  
» Page 39



### Not everyone is welcome

There may be doors within a company that not all employees should have access to because they provide access to sensitive data, secret products or hazardous areas.

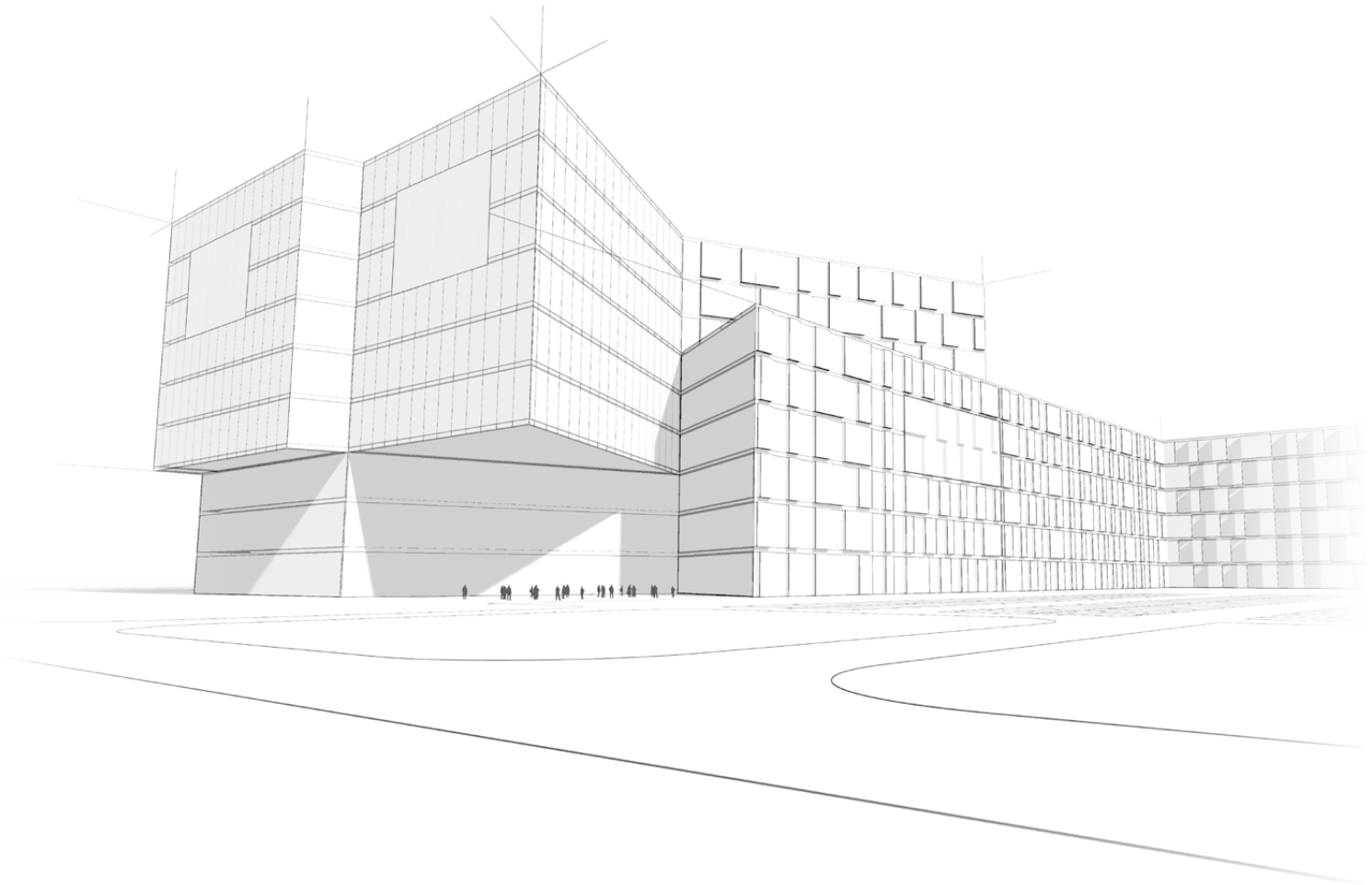
**Xesar cylinder**  
» Page 66



### Your sample system » Page 30

Agencies, architecture firms, law firms, local authorities, publishers, IT service providers, administration buildings, government ministries, councils, banks

## Xesar | Wholesale + retail premises



### Genuine organisational talent

Organisation plays a key role, especially in trade. Different working times, countless suppliers with different delivery dates and a large amount of customers. Anyone demanding absolute security in situations with such a high access frequency either needs to be very well organised or simply relies on Xesar. The simple and easy-to-use administration tool logs all operations and the corresponding authorisations in an overview.

## In perfect control

Shift work, part-time employment, high fluctuations, working with interns – there are many organisational challenges in retail, which is why the demands to a safe and flexible system are so high.

Xesar meets all the requirements with ease. The central software allows to conveniently and easily specify exactly which group of persons have access to the most diverse facilities at which times. Opening hours for suppliers, option to centrally lock all doors, access checks at the warehouse entrance – Xesar has all this and much more under control.



### Next delivery

Your weekly deliveries arrive each Wednesday between 9 and 11 am? Xesar safely and reliably opens the doors to suppliers. Targeted access authorisations safeguard that unauthorised persons cannot access the facilities during this period.

**Xesar wall reader**  
 » Page 80



### Open on time

Xesar ensures that doors automatically open and close on time in line with the opening hours, providing you with convenience and security in one.

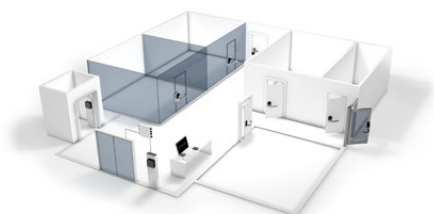
**Xesar software**  
 » Page 92



### Safely in stock

Warehouses are sensitive areas. You need to know who accessed the warehouse at what time to be able to monitor stocks. Easily done with Xesar.

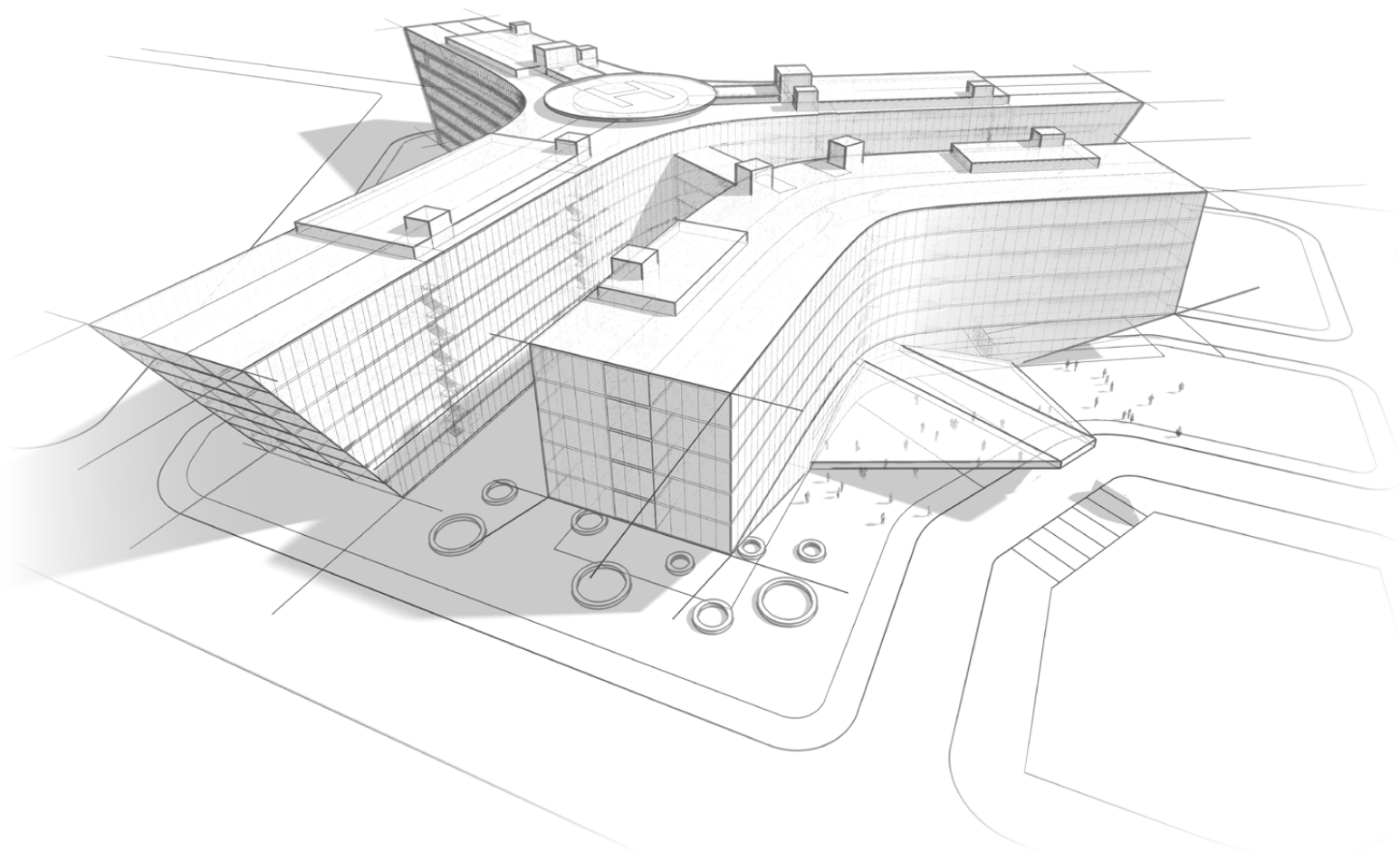
**Xesar cylinder**  
 » Page 66



### Your sample system » Page 30

Shops, petrol stations, warehouses, supermarkets, automotive dealerships, shopping centres

## Xesar | Healthcare facilities



**Trend**

### Joining forces

The number of GP surgeries run by a single doctor are falling. An increasing number of doctors are joining forces in large diagnostic centres and GP surgeries. All this to provide patients with optimum care under one roof and streamline in-house administration. Xesar as a versatile and simple locking system provides additional support in these situations. All areas within the facility can be conveniently controlled from a central, in-house administration office. In this process, each area may have separate demands. The system also enables extensions at any time.

## Guaranteed healthcare

Particularly healthcare facilities are highly sensitive areas that not everyone should have access to. A highly secure, yet flexible locking system is required to ensure access restrictions and simultaneously grant medical staff fast access to all areas.

Xesar guarantees all of this. Additionally, you are in control of the entire administration and no longer need to rely on third parties. As a result, the entire software and database is saved on a local server and you can easily and unbureaucratically assign access authorisations.



### Important control

Stocking medication is a sensitive issue. Who is responsible if something goes missing? Xesar records a precise protocol, showing who access what and when.

**Xesar cylinder**  
» Page 66



### Always well prepared

Xesar prepares you for any kind of emergency. Regardless of whether these are escape or fire doors, Xesar offers absolute security in every case.

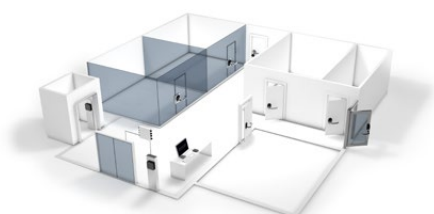
**Xesar escutcheon**  
» Page 39



### No access

Exclusively authorised persons must have access to certain medical areas. Xesar enables to secure sealed departments depending on demand (persons, time).

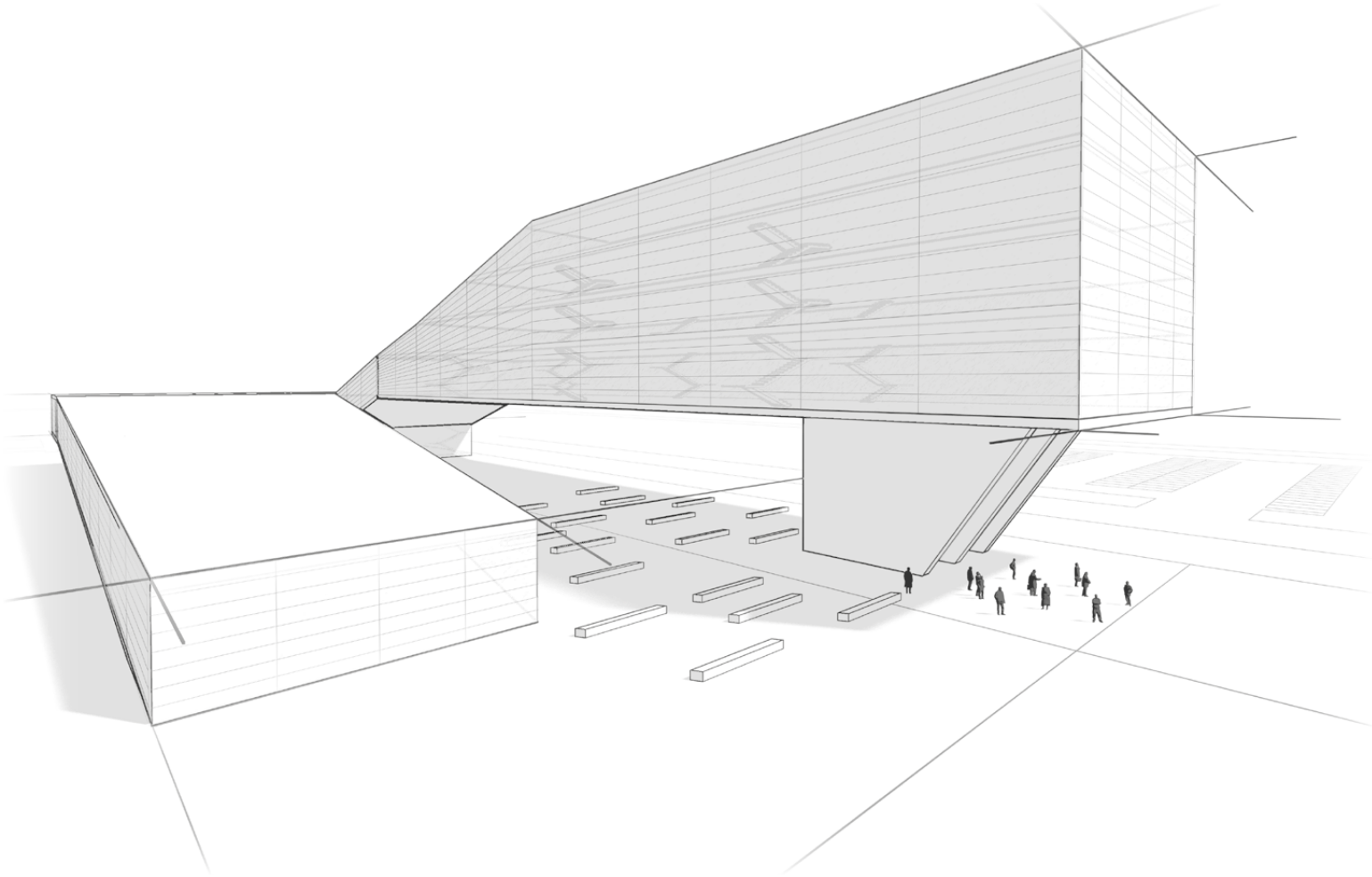
**Xesar software**  
» Page 92



### Your sample system » Page 30

GP surgeries, pharmacists', rescue organisations, shared surgeries, hospitals, healthcare practices, retirement homes

## Xesar | Educational facilities



### Personal security

Day after day, there are reports in the press forcing us to rethink security at schools and educational facilities. How well are children and youths really protected? Can unrelated persons access the facilities without being monitored? What kind of locking system is there for school facilities that are hired out to external, third parties? Many questions and only one answer: Xesar.



## Excellently secured education

Education is our most valuable treasure. It is all the more important that we design our educational facilities as secure, convenient and modern as possible. And all this starts at the access doors.

Are unrelated persons permitted to access the facility? Does the system feature office mode? If yes, what has the office mode period been set to? Who can access which facilities? Schools and universities are complex facilities with permanently changing visitor groups demanding comprehensive solutions. A solution like Xesar. A maximum level of security, extremely simple to use and tailored to each situation.



**For teaching staff only**  
Conference rooms, warehouses, laboratories – these are just some of the facilities to which students must not have any or unsupervised access only. No problem with Xesar.

**Xesar handle**  
» Page 55



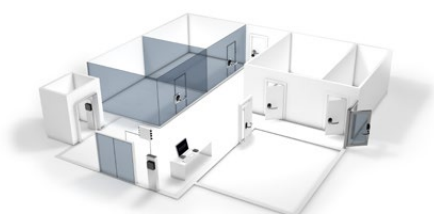
**Automatically open**  
Facility management staff that needs to access the building to open the main doors in the mornings and lock them in the evenings? Xesar's automatic office mode within a certain period is the simple and convenient solution.

**Xesar software**  
» Page 92



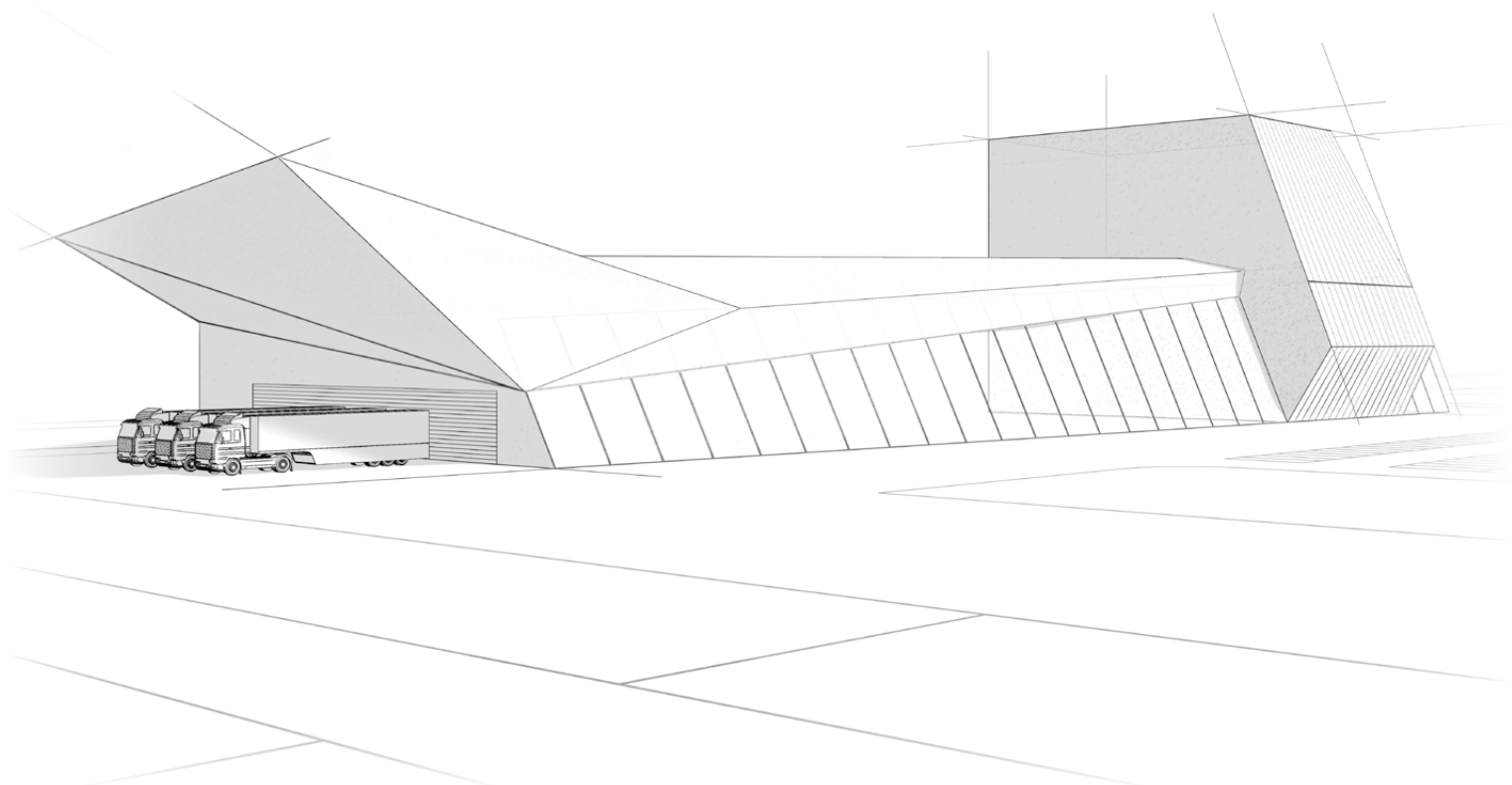
**Open up, sit down, work**  
Xesar is not just secure, it's intelligent. Consequently, the wall reader controls access authorisations and the power supply. For instance, simultaneously switch on the light, your computer and the printer when you open the door.

**Xesar wall reader**  
» Page 80



**Your sample system » Page 30**  
Driving schools, nurseries, music schools, schools, further education institutions, libraries, universities, colleges

## Xesar | Retail facilities



**Trend**

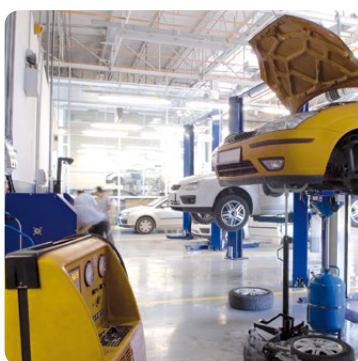
### Disappeared off the face of the earth

From now on, it will no longer be "this work material has just disappeared." Xesar will put an end to so-called inventory differences pretty quickly. Xesar precisely logs anything that had previously gone unmonitored, for instance when which employee or supplier was in the warehouse. Quickly and easily assign individual authorisations to a responsible group of persons to ensure additional security. This saves costs and is done in no time!

## All areas are secure

Research, development and also production have different demands to electronic locking systems. Dust, dirt and fluctuating temperatures must not influence the functionality of the system – smooth operation and absolute security must be safeguarded at any time because you need to protect valuable equipment and prevent industrial espionage.

The system must also be flexible. Assigning access authorisations to different persons and within certain areas must be quick, simple and transparent. This is the only way to ensure that exclusively authorised persons have access to sensitive areas and suppliers still have fast, logged access. Xesar makes all this possible.



### Optimum security

Dust and dirt are unavoidable, especially in workshops. No problem for Xesar. The electronic locking system guarantees maximum security even in the most unfavourable conditions.

**Xesar escutcheon**  
 >> Page 39



### 24/7 security

Lost keys always pose a great security risk. But not with Xesar 2.1. In the virtual network the identification media in circulation are responsible for transferring the blacklist.

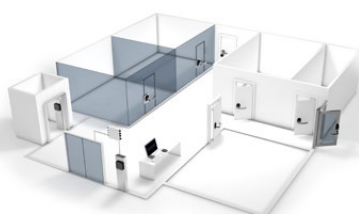
**Virtual network**  
 >> Page 34



### Secure and flexible

Companies that rely on their fleet are firstly tasked with protecting it and secondly, grant access easy vehicle access in the event of call-outs, shift changes, etc. Xesar conveniently makes all this popular.

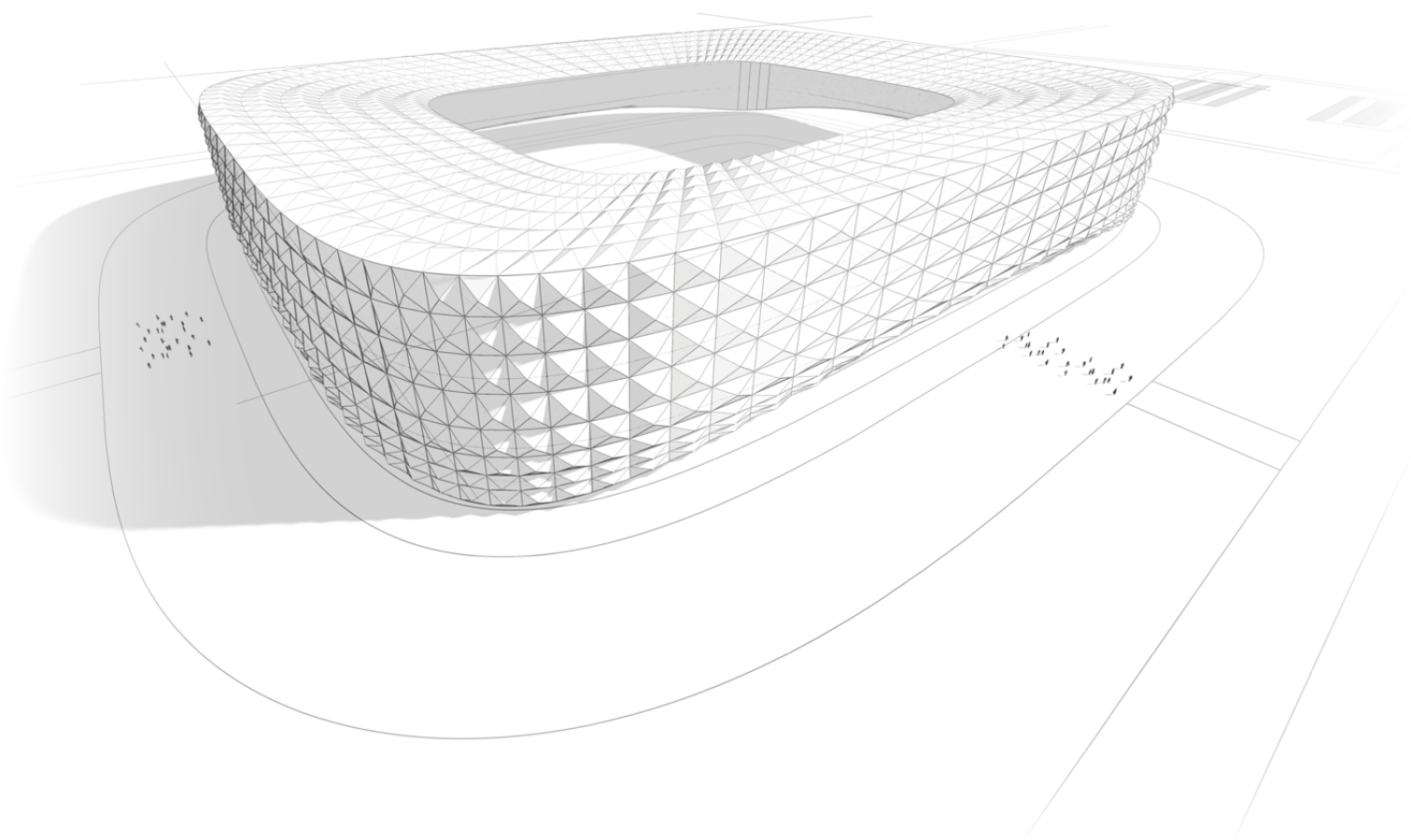
**Xesar software**  
 >> Page 92



### Your sample system >> Page 30

Joiners, installers, roofers, automotive workshops, factories

## Xesar | Arts and leisure facilities



### One for all

We have recently seen an increasing number of new amusement parks and thermal baths opening their doors to the public.

In these cases there are different requirements regarding the locking systems that secure it. You need to be in control of visitors' and staff access as well as access to different areas. For instance, if guests at a resort have booked extra services and must consequently be granted exclusive access to certain areas. All requirements to which Xesar provides the matching solution.

## A good feeling about security

Complex, yet simple security solutions are required to safeguard both visitors and organisers can have fun. After all, crowd dynamics must be organised efficiently, for instance in sports arenas or to protect valuable works of art and cultural heritage in museums. And despite the focus being on maximum security, the system must safeguard fast access and exits as well as quick evacuation in the event of emergencies.

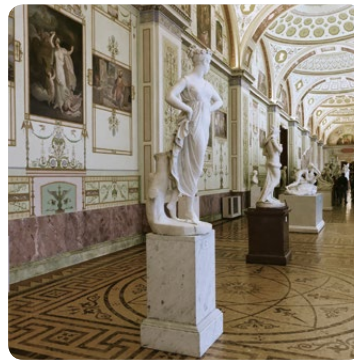
This is where Xesar ticks all the boxes. The wide product range for the highly secure locking system offers the right solution for any demands. All this and particularly easy application – from installation to software and user administration.



### First for security

Large crowds require fast actions in the event of emergencies. Xesar escutcheons for escape and fire protection doors are just right for the job.

**Xesar escutcheon**  
 >> Page 39



### Knowing who it was

Work of art worth millions? In that case, it might be better to exactly know who has access. For this reason, Xesar also logs the time and person gaining access to the facilities.

**Xesar cylinder**  
 >> Page 66



### Open – closed, open – closed

Opening and closing all doors fully automatically? Opening and closing on demand or at the same time each day, once a week at the same time or at different times? Not a problem with the convenient Xesar software administration.

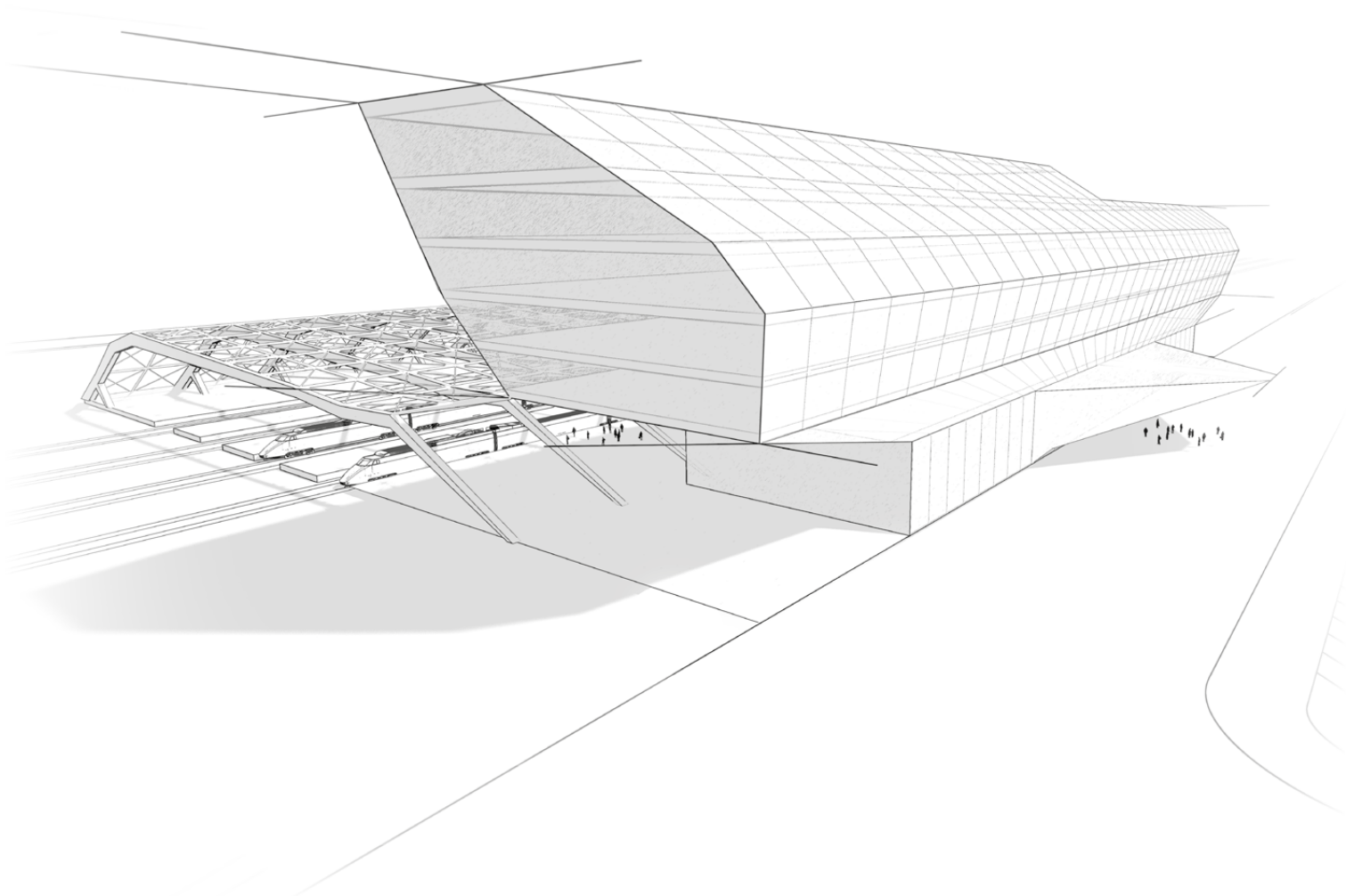
**Xesar software**  
 >> Page 92



### Your sample system >> Page 30

Bars, restaurants, B&Bs, galleries, churches, cinemas, theatre, sports arenas, museums

## Xesar | Infrastructure facilities



### All in one

Urban development is increasingly focussing on central, multi-functional buildings. For instance, a station is no longer just a station. Shops, bars and restaurants, post office, supermarket, hotel, entertainment – everything is under one roof in these miniature cities. These situations require intelligent, secure and most of all easy-to-use locking systems. A system like Xesar.

## According to the plan

Heavily frequented, public buildings must meet a multitude of requirements. A comprehensive locking system is necessary, especially if said buildings bring together several functions under one roof.

Regardless of whether the facility has already been built or merely exists on plans: Xesar enables to individually and flexibly plan all access points. Emergency exits, lifts, staff doors, lounge areas, smoking areas, retail outlets, hazardous areas, warehouse facilities – everything is possible with perfectly coordinated Xesar products.



**Authorised access only**  
Waiting rooms, lounge areas and staff rooms are intended for relaxing. But should such facilities really be accessible to everyone at any time? Let the management decide, implementation with Xesar is not an issue.

**Xesar software**  
» Page 92



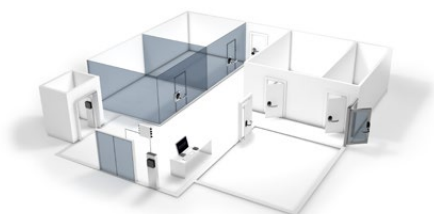
**For anything and everything**  
All required emergency precautions must be in place in areas where large groups of people gather. Thanks to the wide product range, Xesar provides escutcheons for escape and fire doors.

**Xesar escutcheon**  
» Page 39



**Convenient handover**  
Some business premises often change hands. The administrative costs and efforts to replace keys and cylinders are high. For this reason, Xesar enables simple and most of all secure changes to access authorisations.

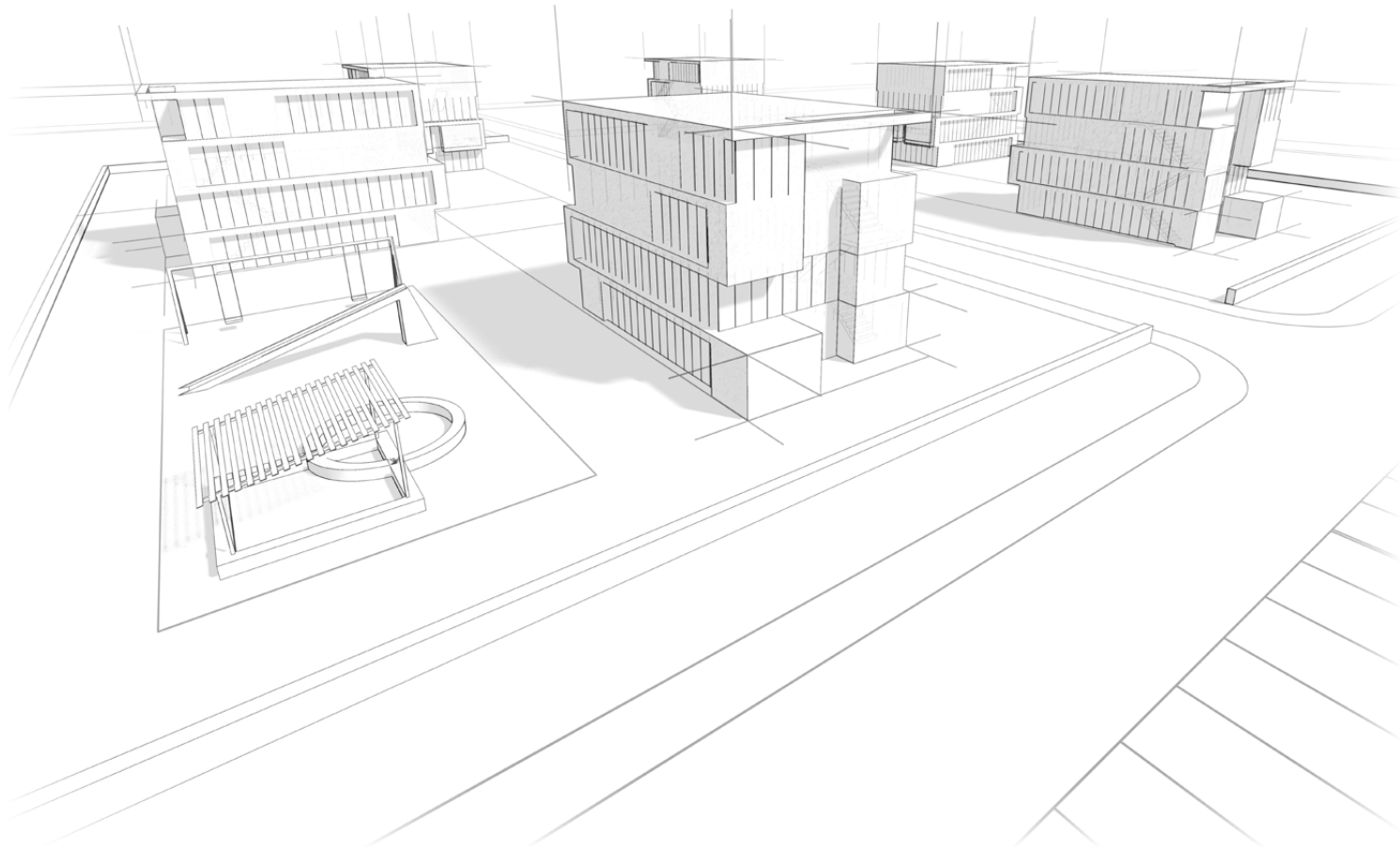
**Xesar cylinder**  
» Page 66



**Your sample system » Page 30**

Taxi companies, courier services, fire service, power plants, service stations, railway stations, logistics centres, airports

## Xesar | Residential properties and condominiums



**Trend**

### Secure sunset years

The good news: the average life expectancy is continuously increasing. The bad news: there will be more and more OAPs living on their own, especially in areas with a high population density. On the one hand, this requires support models and, on the other, also anti-burglary measures. The solution: a simple and secure locking system like Xesar. As a result families, carers and emergency services have access and burglars are simply left out.



## The way to live

Our circumstances of living are changing. Mostly cities are seeing a rise in community-oriented residential projects. The reason? More and more OAPs live on their own and an increasing number of single parents are seeking new families. Community residential properties just make life simpler and more enjoyable.

It goes without saying that a versatile residential project also requires a versatile locking system. Xesar guarantees all of this. Regardless of whether this is a door to a residential property, basements, leisure time facilities or the community garden – Xesar provides simple, secure and individual access.



**Secure in any situation**  
OAPs living on their own require fast assistance in the event of emergencies, hence making quick access to properties a must.

**Xesar handle**  
» Page 55



**Doing the washing according to the schedule**  
Organisation is paramount. For this reason, Xesar allows you to exactly specify which residents can access community facilities at which time, e.g. community washing machines.

**Xesar escutcheon**  
» Page 39



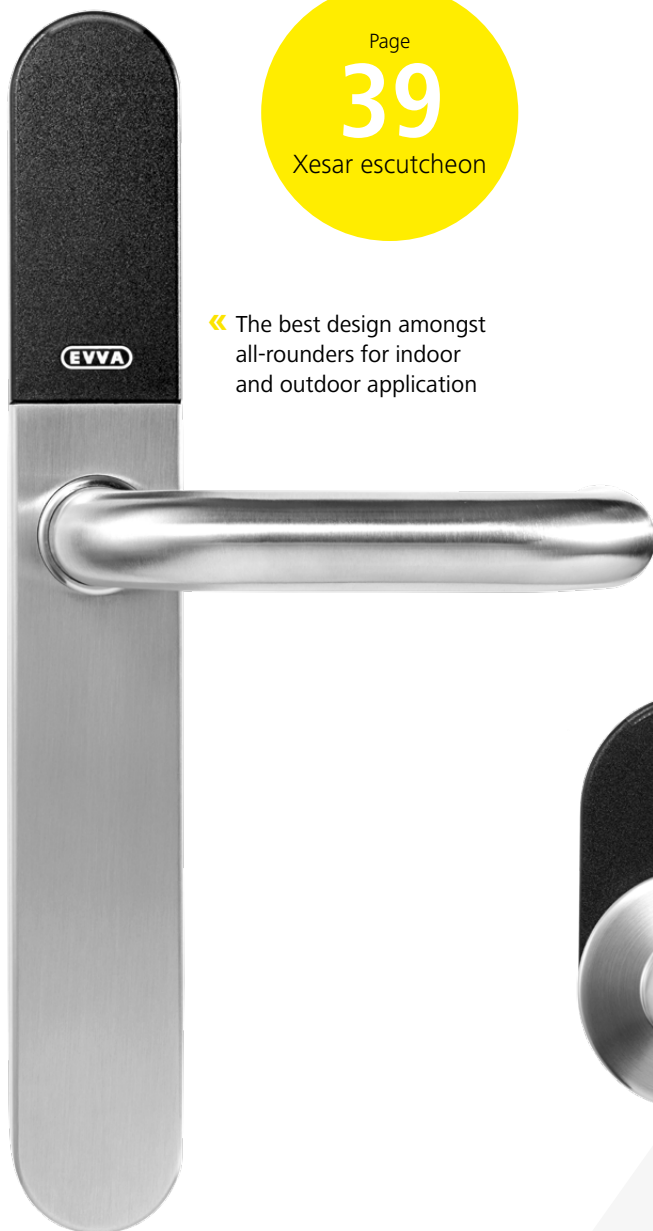
**Clean and tidy**  
Simply assign precise access authorisations with Xesar to ensure exclusively authorised persons can access your waste disposal facilities, and still be able to also grant the waste disposal staff access at certain times.

**Xesar software**  
» Page 92



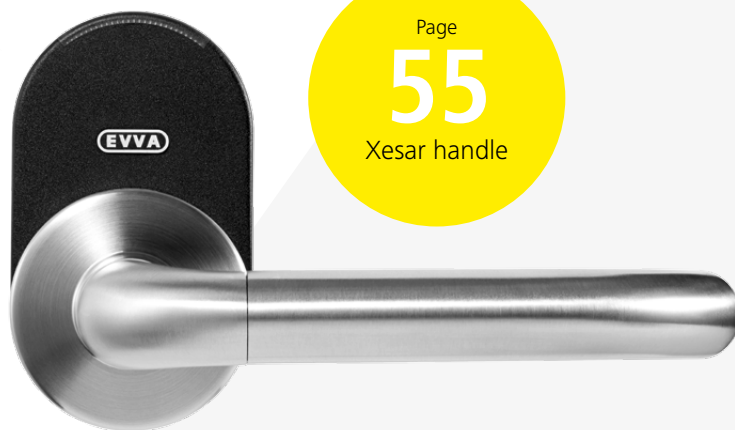
**Your sample system » Page 30**  
Rental properties, community nursing schemes, blocks of flats, student halls

## Xesar | Five strong performers



Page  
**39**  
Xesar escutcheon

« The best design amongst all-rounders for indoor and outdoor application



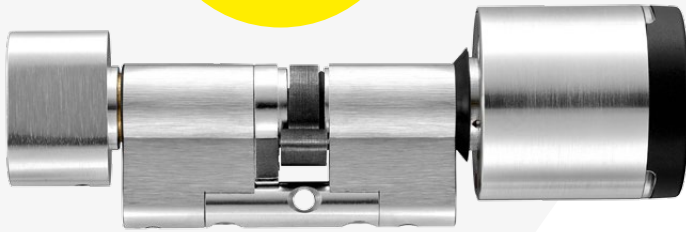
Page  
**55**  
Xesar handle

» High-performance in a host of indoor situations

Page

**66**

Xesar cylinder



⌘  
The highly secure solution for particularly simple assembly

The switching specialist with a glass design for indoor and outdoor application



Page

**80**

Xesar wall reader

Page

**92**

Xesar software  
KeyCredits



⌘ Pay per key — The innovation as part of which you only pay for what you need

## System overview | Benefits

### Anything is possible

Control access to important entrances and exits. Reliable, 24/7 security, for instance with controlled office mode during opening hours.



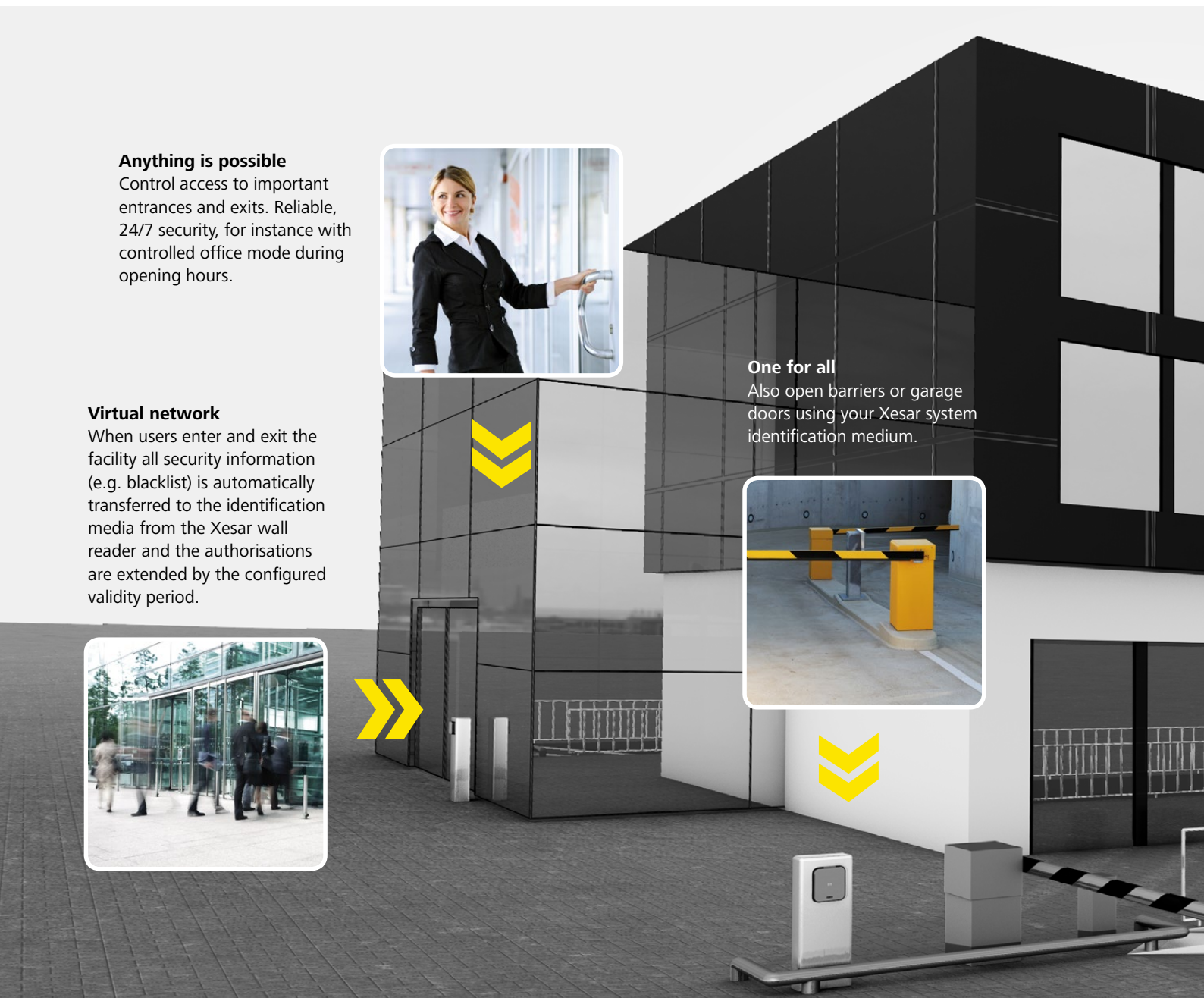
### Virtual network

When users enter and exit the facility all security information (e.g. blacklist) is automatically transferred to the identification media from the Xesar wall reader and the authorisations are extended by the configured validity period.



### One for all

Also open barriers or garage doors using your Xesar system identification medium.



## Outdoor security

Outdoor areas of buildings are becoming increasingly more transparent. Glass front panels with sliding doors comply with the increasing demand for simple, convenient access. In such cases, the security technology must also meet all the requirements while simultaneously maintaining a smooth visitors' flow. No problem with Xesar.

Across borders and in any environment. Xesar is suitable for almost any situation thanks to its great compatibility. This, in turn, means your investment is safe.



**Do not panic**

The security of building users has the very highest priority. Xesar complies with all requirements.



**Be in control, from anywhere and at any time**

Security standards also apply to the rear of the building. As a result, delivery and maintenance service access can be securely managed using Xesar.

## System overview | Benefits



### Xesar expands in parallel

Xesar systems can be retro-spectively expanded in any way to keep expanding with each new build or extension.

**Convenience**  
Create schedule-based, restricted areas or areas that can be accessed exclusively using an authorised identification medium.



### Reorganisation

Identification media and doors can be adapted to organisational changes in just a few, simple steps.

## Indoor security

Naturally, indoor security is also paramount. Server rooms, archives for important documents or medication, the managers' offices – all these areas must be secured individually.

At the same time, processes within buildings must also be efficient. Employees or residents of a building must have the option to quickly and easily move around. Consequently, all you need to know is who was where and when, without the need to set up a great deal of security barriers.

### Controlled lifts

Create security areas per floor – with Xesar wall readers.



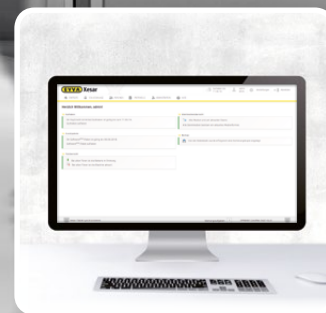
### Flexible adaptations

Easily and quickly grant external service providers required access.



### System security

State-of-the-art encryption as per MIFARE-DESFire standard and many more features guarantee secure system operation.



### Security at a glance

A single glance at the clearly arranged Xesar software 2.1 dashboard tells you which doors are secure and which are at risk.



Find out more about the benefits of Xesar products for the various areas in buildings  
 » See next page

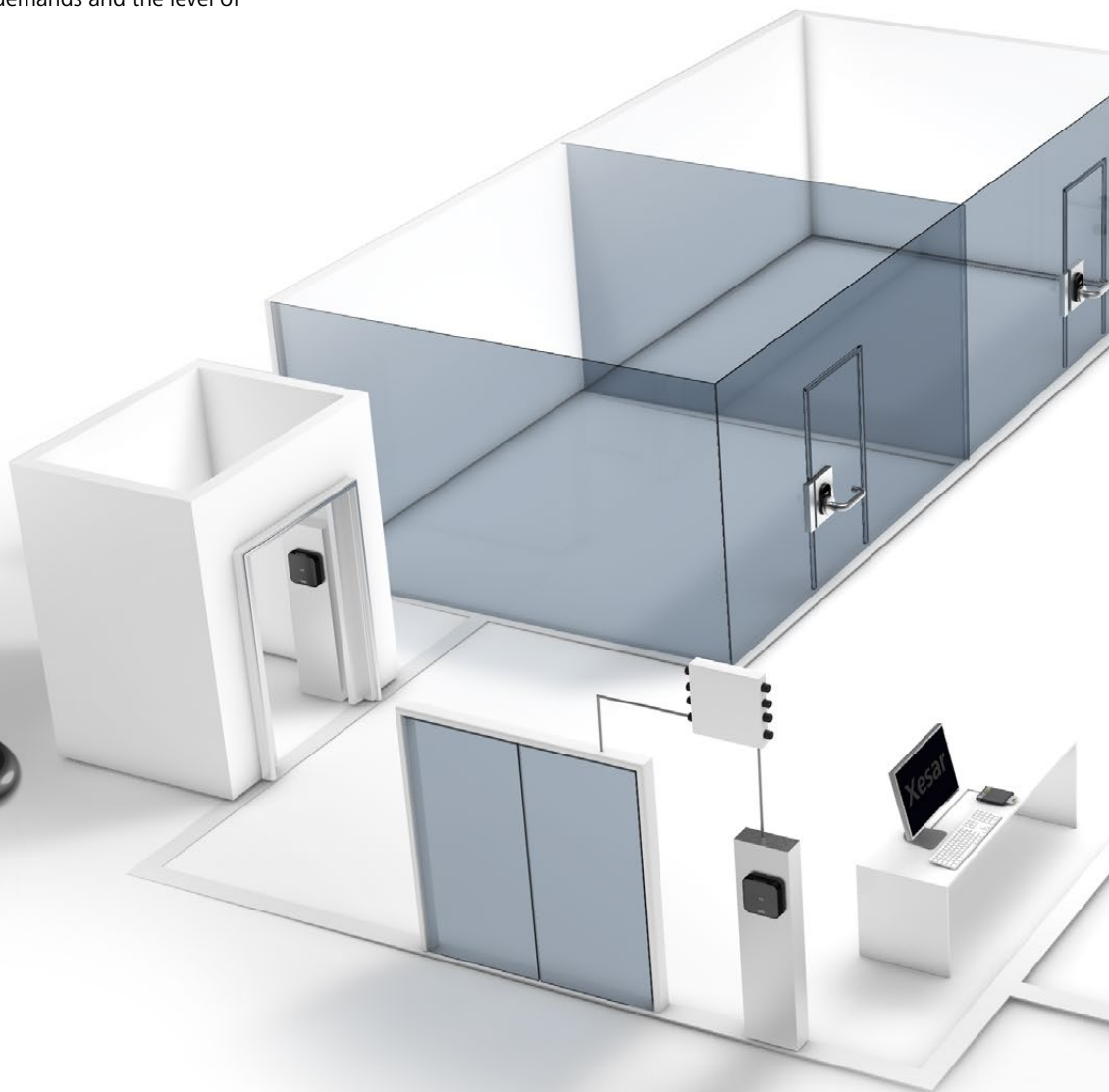
# System overview | Xesar layout

Each Xesar components has its individual strength. The ideal product for each situation most of all depends on the installation location, security demands and the level of convenience required.

## Xesar escutcheon

The all-rounder with a high level of operating convenience. Its unbeaten design is universally suitable, also for metal frame doors. Xesar escutcheons are also perfectly suitable for outdoor applications

» Page 39



	Xesar escutcheon	Xesar handle	Xesar cylinder	Xesar wall reader
Suitable for indoor and outdoor use	●	○	●	●
Suitable for security areas	●	○	●	●
Most convenient operation	●	●	○	●
No cabling required for the installation	●	●	●	

- Perfectly suited
- Suitable

Note the range of product versions and accessories for countless applications.

## Xesar wall reader

Scores high marks with high-quality glass design. It is equipped with a control unit to actuate electronic locking components (e.g. automatic sliding door, motorised cylinder).

If the wall reader features an updaters control unit, it represents the central security interface within the Xesar virtual network. » Page 80



### Xesar cylinder

Xesar cylinders are ideal if security and easy retrofitting are paramount as it locks securely and is easy to install.

» Page 66



### Xesar handle

The Xesar handle is the ideal solution for almost any internal door, from solid doors to glass doors. It also facilitates retrofitting components.

» Page 55



### Optimum initial equipment

	KeyCredits 10	KeyCredits 50	KeyCredits 100	KeyCredits Unlimited for 12 months	KeyCredit Unlimited for 36 months
1–9 persons	<input type="radio"/>	<input checked="" type="radio"/>			
10–49 persons		<input type="radio"/>	<input checked="" type="radio"/>		
50–100 persons			<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
> 100 persons				<input checked="" type="radio"/>	<input checked="" type="radio"/>

- Frequent changes to access authorisations
- Infrequent changes to access authorisations

» Pages 93, 96

These values are guide values. Visit your specialist security retailer to obtain advice on EVVA KeyCredits.

### Xesar software

Particularly easy to install and operate, the Xesar software also ideally supports operational processes. The Xesar software is free of charge – with the KeyCredit cards you only pay what you really need.

» Page 92



## System overview | All component types

### This is how it works:

all access authorisations are granted in the Xesar software. Information is transferred to identification media via the coding station to easily create electronic keys.

Thanks to the Xesar tablet individual locking components are synchronised with the software during commissioning. Within the Xesar virtual network the identification media in circulation distribute the security information (Blacklist) within the facility.



### Unique KeyCredits

Free software with Pay per key – you only pay what you really need, regardless of the system's size and number of users, the ideal KeyCredit solution is available to meet any demands. Software<sup>plus</sup> card available to enable the virtual network.

» Pages 95, 99



### Xesar identification media

Persons may use a host of identification media (cards, key tags, combi keys) to identify themselves at the door.

### Xesar access components

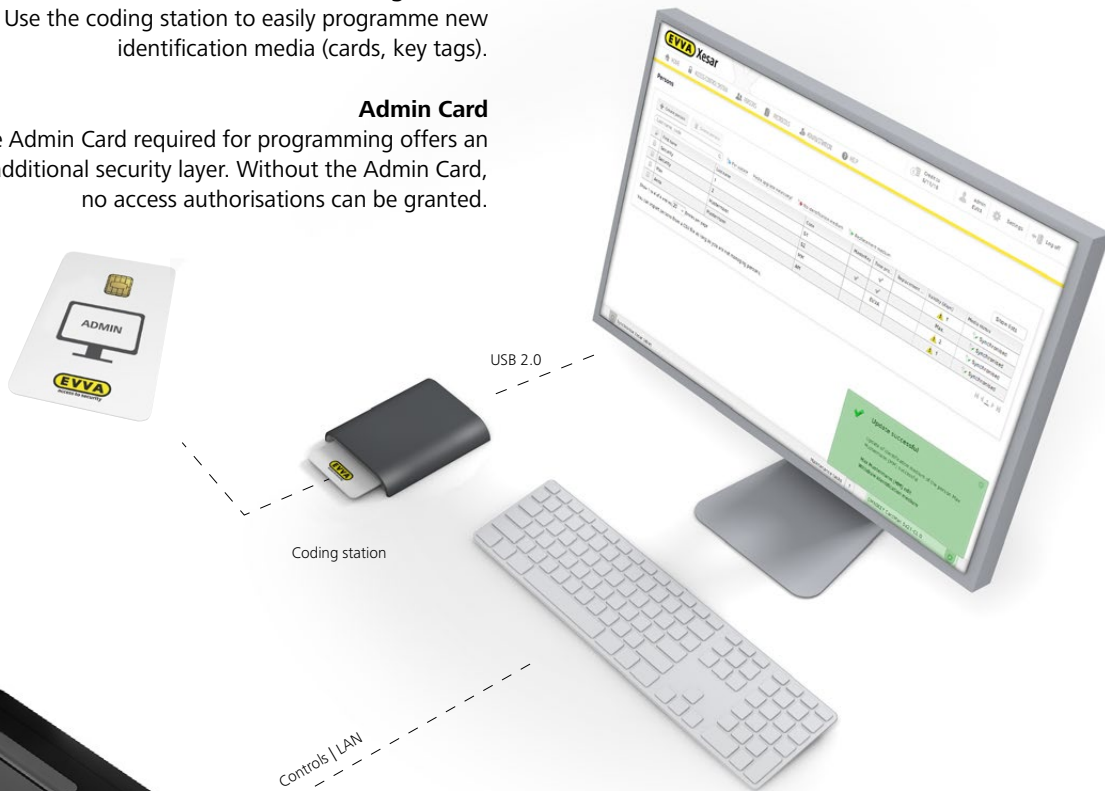
Xesar escutcheon, handle, cylinder and wall reader are programmed using the Xesar software.

### Coding station

Use the coding station to easily programme new identification media (cards, key tags).

### Admin Card

The Admin Card required for programming offers an additional security layer. Without the Admin Card, no access authorisations can be granted.



Xesar wall reader as updater



### Update

The wall reader is connected to the Xesar software by LAN connection for regular security data exchanges.

### Xesar software

The Xesar software is used to comprehensively manage the system. Use it to create personal profiles, grant access authorisations, manage schedules, etc.

### Xesar wall reader as updater

Thanks to the Xesar wall reader, equipped with updater control unit, security data on identification media and doors is updated several times a days via the virtual network.



### Xesar tablet

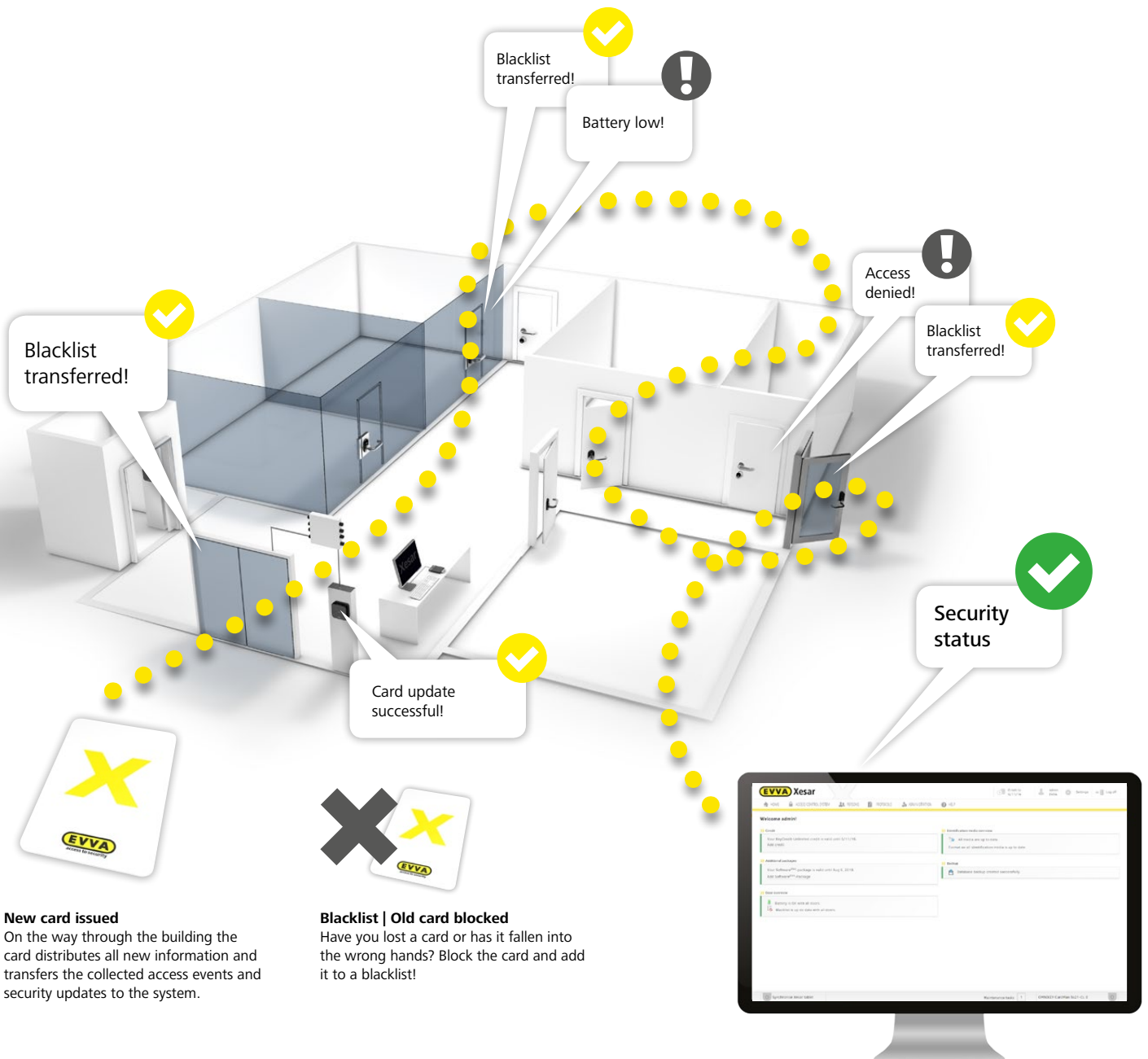
Use the Xesar tablet for security updates on doors whenever you need to act quickly.

# System overview | Virtual network

## This is how it works

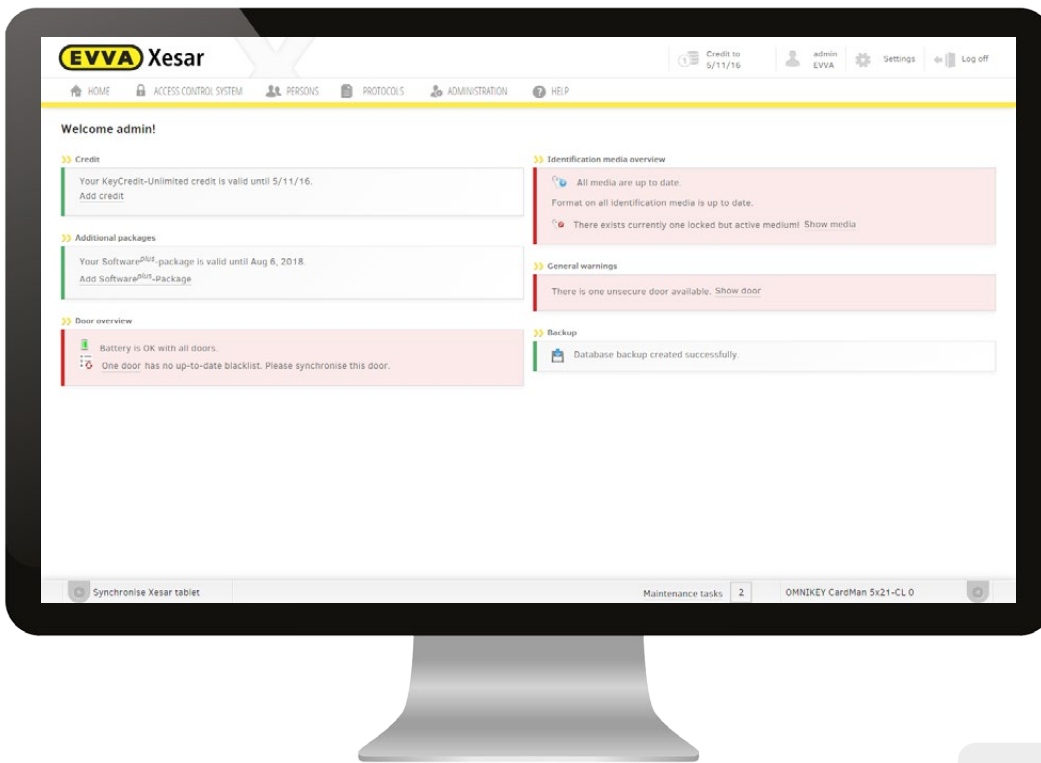
The Xesar virtual network uses the issued identification media to exchange information between software and doors to always keep the system up-to-date.

The Xesar wall reader with updater control units extends the validity period of identification media by the configured period and imports update information (blacklist). The information is then transferred from door to door on the way through the facility. In this process, identification media update door states and collect door information (battery states, access events, deletions or unlocking attempts by blocked media) which is returned to the software by the Xesar wall reader.



**New card issued**  
 On the way through the building the card distributes all new information and transfers the collected access events and security updates to the system.

**Blacklist | Old card blocked**  
 Have you lost a card or has it fallen into the wrong hands? Block the card and add it to a blacklist!



## Security | fully transparent

Security has never been as transparent as with the new Xesar virtual network. The automatic, real-time evaluation feature means your facility is always up to date in terms of security. Anytime and at a glance.

### Transparent and at a glance:

- › Door status – has the blacklist been transferred to all doors?
- › Blacklist — which identification media have been blocked?
- › Battery status – where are battery replacements required?
- › Blocked identification media – have lost identification media opened doors?
- › Delete key - which identification media were permanently deleted at the door?

### Automatically deactivate blocked identification media

If a blacklisted identification medium attempts to open an updated door, it is deleted from the system and can subsequently no longer open any doors, regardless of whether the corresponding door's blacklist is up to date or not. Other identification media use this information to pass it on to the software. Additionally notifies of unlocking attempts by blocked identification media.

## Just activate

The Software<sup>plus</sup> card which is needed for activating the virtual network feature is available from EVVA specialist retailers. Just expose the code on the rear of the card, enter it in the Xesar software in the Software<sup>plus</sup> package section to become the proud owner of a new virtual network for a period of three years.

›› Page 95, 99



## System overview | Processes

### Installing Xesar software and components



**Install components**  
Install the Xesar system products in simple steps.



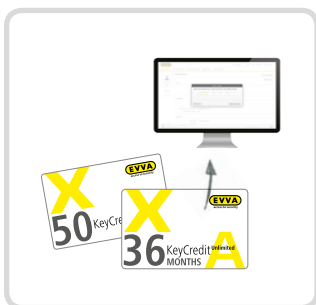
**Install Xesar software**  
Simply download and install the Xesar software.



**Set up the Xesar software**  
Make basic settings in the Xesar software.



### Create personal profiles and identification media



**Use KeyCredits**  
Use KeyCredits depending on the number required access authorisations.



**Enter persons and door authorisations**  
Enter persons in the Xesar software and assign schedule-based profiles and door authorisations.



**Create identification media**  
Transfer data to identification media using the coding station. The media is immediately ready for operation.



## Initialise door components



**Enter doors**  
Enter access components by door parameters, areas, opening hours, etc.

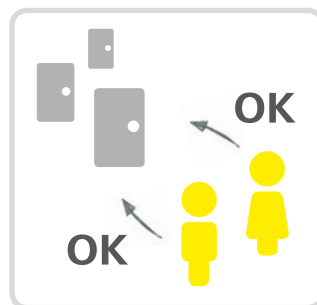


**Synchronise Xesar tablet**  
Transfer data to the Xesar tablet.

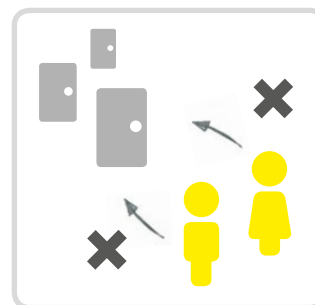


**Synchronise doors**  
Connect the Xesar tablet to access components and transfer the data.

## Personal administration | Reading out information

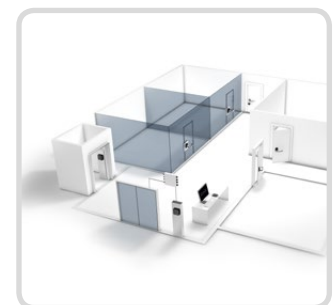


**Access authorisations**  
Use the coding station to create or change new media at any time.



**No access authorisation**  
The Xesar tablet transfers blacklists containing unauthorised persons to the door.

Consequently, you can revoke all authorisations from identification media, for instance using a wall reader with the DeleteKey function.



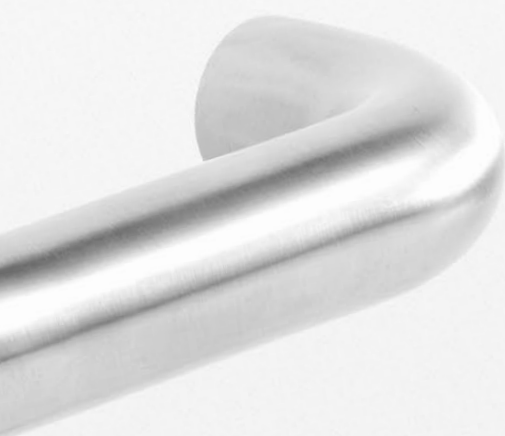
**Who accessed what and where?**  
The virtual network distributes door information, such as the number of times it was unlocked, accessed, the date/time, battery status, etc., throughout the facility using identification media. Use the Xesar tablet whenever you need to act quickly.





# *Xesar escutcheon*

» *The best design among the all-rounders* «



## **x Xesar escutcheon**

The electronic Xesar escutcheon is the optimal solution for any door. It combines the benefits of a mechanical escutcheon and an electronic locking system.

The special feature of Xesar escutcheons is their slim design and clear lines as well as the integrated reader unit.

In addition, the Xesar escutcheon has a broad range of use. For instance for solid or metal frame doors, for interior and exterior application as well as for escape doors. In addition, the range offers an extensive selection of accessories which make the escutcheon look great in any situation. Thanks to the innovative and simple assembly concept, it is also particularly suitable for fire doors.

## Xesar escutcheon | Benefits

### Design



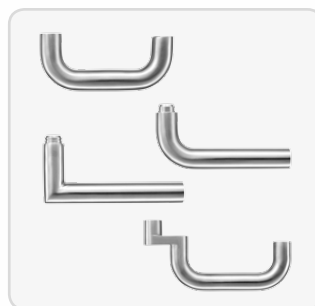
#### Made in one piece

Xesar escutcheons demonstrate uncompromising design. Maximum formal requirements implemented during design.



#### The right material

The Xesar escutcheon is available in satin stainless steel (as standard), polished stainless steel or polished brass.



#### Handles for every need

The classic handle element includes three shapes to match any specifications: U, L and W. The special R-shaped handle is available for metal frame doors.

#### Additional benefits

- Identical escutcheon design on the inside and outside
- Also available without electronic components

### Function



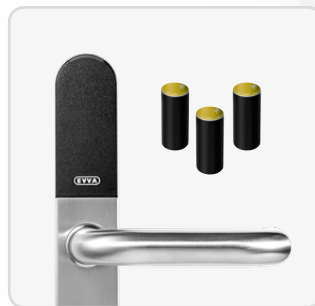
#### Suitable for escape doors

The panic bar kit makes the Xesar escutcheon suitable for any escape door.



#### Enhanced functionality

The option to fit a mechanical cylinder allows to integrate a mechanical emergency lock.



#### Easy battery replacement

The three commercially available AAA batteries can be replaced in no time.

#### Additional benefits

- The outside handle has been disengaged to turn freely and provides a high level of tampering protection
- The inside handle is always engaged
- Schedule-based or manual office mode
- With blacklist function
- The protocol saves the last 1,000 events
- Easy to update using Xesar tablet
- Particularly long battery life

## Technology

### Additional benefits

- Matches all conventional locks
- Suitable for multi-point locks with a handle range of up to 40° (depending on the installed mortise lock)
- 3-point screw connection for higher security requirements
- 90 minute fire protection
- AES encryption



### Suitable for use outdoors

The Xesar escutcheon is weatherproof, complies with IP55 standard (with enclosed seals) and is suitable for temperatures between -20°C and +60°C.



### High strength

In combination with the special base plate the Xesar escutcheon is suitable for use in heavy-duty doors.



### Fire protection version

The innovative assembly method generally enables to install the fire protection escutcheon in any fire protection door without having to re-certify its fire protection characteristics.

### Additional benefits

- Easy assembly
- Can be adapted to the door situation (left/right)
- No special assembly tools required
- Supported by assembly videos and assembly manuals
- Drilling template enables faster assembly



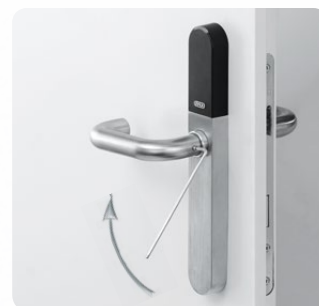
### Position escutcheon plates

Place the escutcheon plate on the prepared door and route the cable through to the inside. Position the internal escutcheon plate, secure against the external escutcheon plate and connect the cable.



### Battery and cover

Insert the batteries into the battery compartment, position the base plate and attach using the threaded pin.



### Assemble handles

Position the handle and attach using the threaded pin.

## Assembly



QR codes with assembly videos available!



## Xesar escutcheon | One-sided access



### Assembly



QR code for assembly video

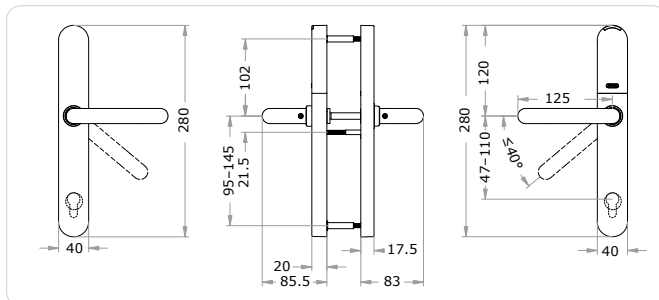
### Standards and guidelines



1

With a sophisticated design and one-sided access, Xesar escutcheons are suitable for internal and external doors with more challenging security requirements.

In this process, Xesar escutcheons with one-sided access are perfectly suitable for solid or metal frame doors as well as heavy-duty doors.

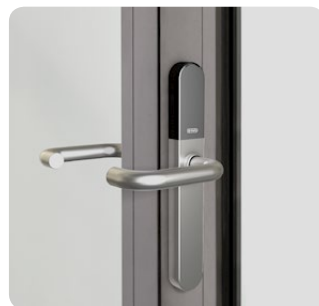


### Application examples



#### Inside and outside

The Xesar escutcheon is suitable for solid internal or external doors.



#### Universal

The slim design of the escutcheon enables use in metal frame doors.



#### Special requirements

Functional accessories also enable assembly in special access situations, such as on heavy-duty doors using special base plates.



#### For escape routes

Xesar escutcheons are suitable for emergency exits as per EN 179.

## Technical information

Handle shapes	U   L   W   R
Spindle	80 – 8 mm   85 – 8.5 mm   90 – 9 mm
Finish	EM – satin stainless steel   EP – polished stainless steel   MP – polished brass
Door panel thickness	T[Door panel thickness mm] – 39 to 114 mm
Aperture (outside/inside)	BB – blind/blind   BG – blind/with aperture   GB – with aperture/blind   GG – with aperture/with aperture
Profile + distance in mm	European profile (E): E47   E48   E49   E55   E62   E70   E72   E78   E85   E88   E90   E92   E98 for 98.5   E10 for 100   E11 for 110   Swiss round profile R: R74   R78   R94 No aperture: E00
Security features	Outside handle disengaged to turn freely   3-point screw connection   Emergency power supply via programming interface   Can be combined with mechanical emergency lock cylinder   AES encryption   Electronic components protected against drilling
Standards and guidelines	CE tested   Compliance certificate for fire safety   EN 1634: 30 minutes   EN 1634: 90 minutes   Austrian standard 3859: 30 minutes   Austrian standard 3859: 90 minutes   EN 1906   EN 179   IP55 protection with mounted sealing gasket (without sealing gasket IP52)   DIN 18257: ES0 (with stability plate)   Austrian standard B5351: WB1 (Austrian standard B5338: WK1)
Technical installation situation	Internal and external doors Can be combined with conventional solid door locks with a handle path of up to 40° (depending on the installed mortise lock)   Can be combined with self-locking escape door locks as per EN 179/EN 1125   Suitable for fire protection doors
Plate dimensions	40 × 280 mm
Compatible identification technologies	Mifare DESFire EV1
Battery	3 AAA alkaline batteries   Up to 50,000 cycles
Signals	Visual and acoustic feedback
Conditions of use	External ambient temperatures –20 °C to +60 °C, internal ambient temperatures 0 °C to +60 °C (depending on the battery)   Humidity < 90 %, non-condensing   for ≥ 200,000 cycles as per EN 1906
Event protocol	Last 1,000 events
Interfaces	Connection to Xesar tablet
Included components	Escutcheon   Set of screws   3 AAA alkaline batteries   Assembly manual   Important information   Drilling template

## Versions

	Handle shape
	Spindle
	Finish
	Door panel thickness
	Aperture
	Profile + distance
	Accessories

Versions and options see **» Page 50**  
Accessories see **» Page 52**

## Ordering

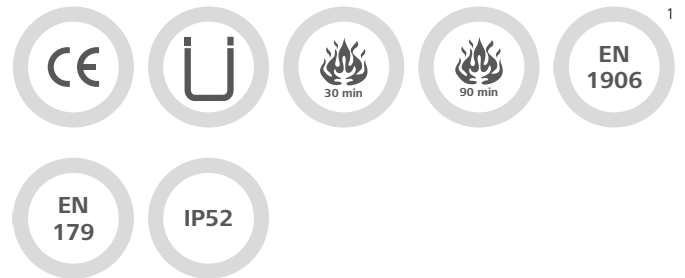
Product code	E.X.BE.Z1.[Handle shape].[Spindle].[Finish].[Door panel thickness].[Aperture].[Aperture profile + distance]
Example	E.X.BE.Z1.U.80.EM.T94.BB.E00

<sup>1</sup> When using the enclosed seals

## Xesar escutcheon | For fire protection doors



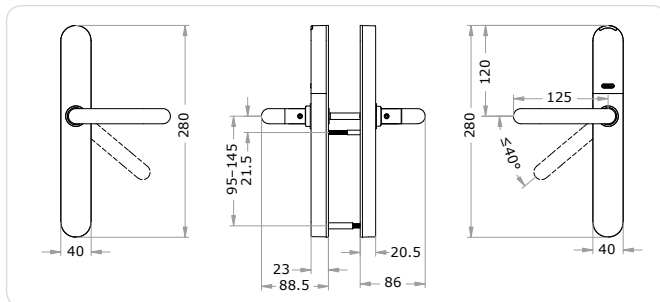
### Standards and guidelines



The Xesar escutcheon with its sophisticated design and one-sided access is particularly suitable for internal and external fire protection doors.

Xesar escutcheons for fire protection doors with one-sided access are perfectly suitable for solid and metal frame doors.

Flexible attachment points mean no additional drilling. For this reason, comprehensive fire protection door inspections become obsolete.



### Application examples



**Solid fire protection door**  
The Xesar escutcheon for fire protection doors is suitable for solid internal or external doors.



**Metal frame fire protection doors**  
The slim design enables use in metal frame doors on the inside or outside.







**For escape routes**  
Xesar escutcheons are suitable for emergency exits as per EN 179.

## Technical information

Handle shape	U   L   W   R
Spindle	80 – 8 mm   85 – 8.5 mm   90 – 9 mm
Finish	EM – satin stainless steel   EP – polished stainless steel   MP – polished brass
Door panel thickness	T[Door panel thickness mm] – 39 to 114 mm
Aperture (outside/inside)	BB – blind/blind
Profile + distance in mm	E00 – no aperture
Security features	Outside handle disengaged to turn freely   Emergency power supply via programming interface   AES encryption   Electronic components protected against drilling
Standards and guidelines	CE tested   Compliance certificate for fire safety   EN 1634: 30 minutes   EN 1634: 90 minutes   Austrian standard 3859: 30 minutes   Austrian standard 3859: 90 minutes   EN 1906 <sup>1</sup>   EN 179   IP52 protection   DIN 18257: E50 (with stability plate)   Austrian standard B5351: WB1 (Austrian standard B5338: WK1)
Technical installation situation	Internal and external doors   Can be combined with conventional solid door locks with a handle path of up to 40° (depending on the installed mortise lock)   Can be combined with self-locking escape door locks as per EN 179/EN 1125   Suitable for fire protection doors
Plate dimensions	40 × 280 mm
Compatible identification technologies	Mifare DESFire EV1
Battery	3 AAA alkaline batteries   Up to 50,000 cycles
Signals	Visual and acoustic feedback
Conditions of use	External ambient temperatures –20 °C to +60 °C, internal ambient temperatures 0 °C to +60 °C (depending on the battery)   Humidity < 90 %, non-condensing   for ≥ 200,000 cycles as per EN 1906 <sup>1</sup>
Event protocol	Last 1,000 events
Interfaces	Connection to Xesar tablet
Included components	Escutcheon   Set of screws   3 AAA alkaline batteries   Assembly manual   Important information   Fire protection laminate

## Versions

	Handle shape
	Spindle
	Finish
	Door panel thickness
	Accessories

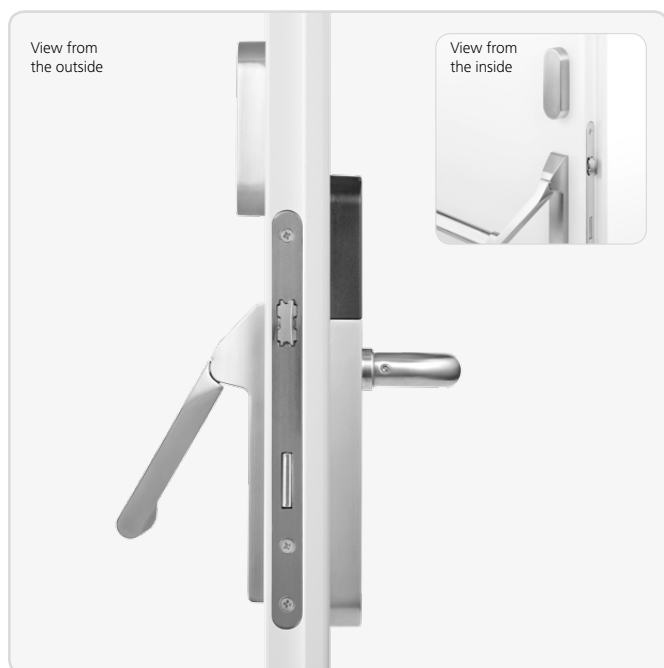
Versions and options  
see » **Page 50**  
Accessories see » **Page 52**

## Ordering

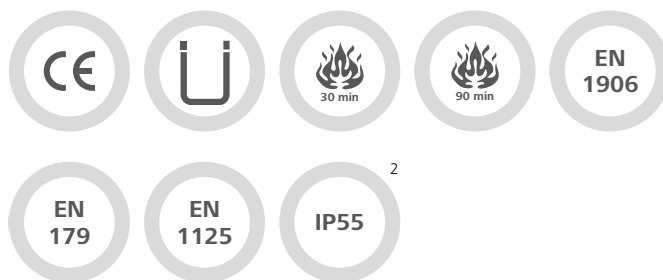
Product code	E.X.BE.FS.[Handle shape].[Spindle].[Finish]. [Door panel thickness].BB.E00
Example	E.X.BE.FS.U.90.EM.T94.BB.E00

<sup>1</sup> In preparation.

## Xesar escutcheon | For panic doors

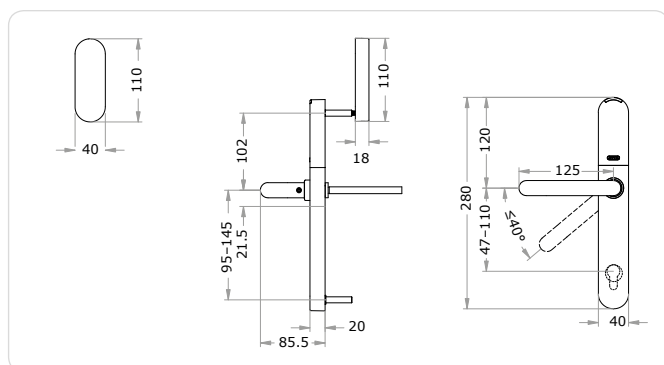


### Standards and guidelines



The Xesar escutcheon with its sophisticated design and one-sided access is particularly suitable for escape doors with panic exit elements.

Suitable for use in solid or metal frame escape doors as well as heavy-duty doors.



### Application examples



#### Escape doors with bar handles

The Xesar escutcheon for panic doors is suitable for combinations with bar handles EN 1125.



#### Escape doors with panic-push handles

The Xesar escutcheon is suitable for combinations with bar handles EN 1125.



## Technical information

Handle shape	U   L   W   R
Spindle	80 – 8 mm   85 – 8.5 mm   90 – 9 mm
Finish	EM – satin stainless steel   EP – polished stainless steel   MP – polished brass
Door panel thickness	T[Door panel thickness mm] – 39 to 114 mm
Aperture (outside/inside)	BB – blind/blind   GB – with aperture/blind
Profile + distance in mm	European profile (E): E47   E48   E49   E55   E62   E70   E72   E78   E85   E88   E90   E92   E98 for 98.5   E10 for 100   E11 for 110   Swiss round profile R: R74   R78   R94 No aperture: E00
Security features	Outside handle disengaged to turn freely   3-point screw connection   Emergency power supply via programming interface   Can be combined with mechanical emergency lock cylinder   AES encryption   Electronic components protected against drilling
Standards and guidelines	CE tested   Compliance certificate for fire safety   EN 1634: 30 minutes   EN 1634: 90 minutes   Austrian standard 3859: 30 minutes   Austrian standard 3859: 90 minutes   EN 1906 <sup>1</sup>   EN 179   EN 1125   IIP55 protection with mounted sealing gasket (without sealing gasket IP52)   DIN 18257: ES0 (with stability plate)   Austrian standard B5351: WB1 (Austrian standard B5338: WK1)
Technical installation situation	Internal and external doors   Can be combined with conventional solid door locks with a handle path of up to 40° (depending on the installed mortise lock)   Can be combined with self-locking escape door locks as per EN 179/EN 1125   Suitable for fire protection doors
Plate dimensions	40 × 280 mm
Compatible identification technologies	Mifare DESFire EV1
Battery	3 AAA alkaline batteries   Up to 50,000 cycles
Signals	Visual + acoustic
Conditions of use	External ambient temperatures –20 °C to +60 °C, internal ambient temperatures 0 °C to +60 °C (depending on the battery)   Humidity < 90 %, non-condensing   for ≥ 200,000 cycles as per EN 1906 <sup>1</sup>
Event protocol	Last 1,000 events
Interfaces	Connection to Xesar tablet
Included components	Escutcheon   Set of screws   3 AAA alkaline batteries   Assembly manual   Important information   Drilling template   Panic bar not within scope of delivery

## Versions

	Handle shape
	Spindle
	Finish
	Door panel thickness
	Aperture
	Profile + distance
	Accessories

Versions and options see **» Page 50**  
Accessories see **» Page 52**

## Ordering

Product code	E.X.BE.AP.[Handle shape].[Spindle].[Finish].[Door panel thickness].[Aperture].[Aperture profile + distance]
Example	E.X.BE.AP.U.90.EM.T94.BB.E00

<sup>1</sup> In preparation. | <sup>2</sup> When using the enclosed seals

## Xesar escutcheon | Without electronic components

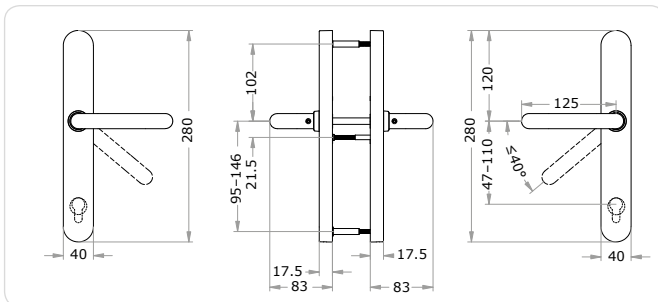


### Standards and guidelines



The Xesar escutcheon with its sophisticated design without electronic components is suitable for doors in Xesar systems that are intended to have the same design but not feature access control.

Xesar escutcheons without electronic components are perfectly suitable for solid and metal frame doors as well as heavy-duty doors.

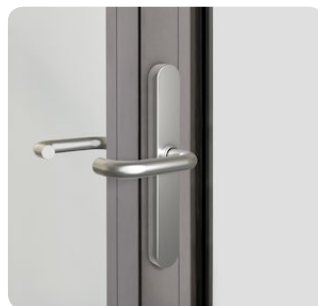


### Application examples



#### Internally and externally

The Xesar escutcheon is suitable for solid internal or external doors.



#### Matches all requirements

The slim design enables use in metal frame doors on the inside or outside.



#### For escape routes

Xesar escutcheons are suitable for emergency exits as per EN 179.

## Technical information

Handle shape	U   L   W   R
Spindle	80 – 8 mm   85 – 8.5 mm   90 – 9 mm
Finish	EM – satin stainless steel   EP – polished stainless steel   MP – polished brass
Door panel thickness	T[Door panel thickness mm] – 39 to 114 mm
Aperture (outside/inside)	BB – blind/blind   BG – blind/with aperture   GB – with aperture/blind   GG – with aperture/with aperture
Profile + distance in mm	European profile (E): E47   E48   E49   E55   E62   E70   E72   E78   E85   E88   E90   E92   E98 for 98.5   E10 for 100   E11 for 110   Swiss round profile R: R74   R78   R94 No aperture: E00
Security features	Increased protection against wilful damage with 3-point screw connection
Standards and guidelines	Compliance certificate for fire safety <sup>1</sup>   EN 1634: 30 minutes   EN 1634: 90 minutes   Austrian standard 3859: 30 minutes   Austrian standard 3859: 90 minutes   EN 1906 <sup>1</sup>   EN 179
Technical installation situation	Internal and external doors   Can be combined with conventional solid door locks with a handle path of up to 40° (v závislosti na zabudovaném zadlabacím zámku)   Can be combined with self-locking escape door locks as per EN 179/EN 1125   Suitable for fire doors
Plate dimensions	40 × 280 mm
Conditions of use	For ≥ 200,000 cycles as per EN 1906 <sup>1</sup>
Included components	Escutcheon   Set of screws   Assembly manual Important information   Drilling pattern

## Versions and options



Handle shape



Spindle



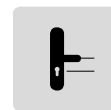
Finish



Door panel thickness



Aperture



Profile + distance



Accessories

Versions and options

see » **Page 50**

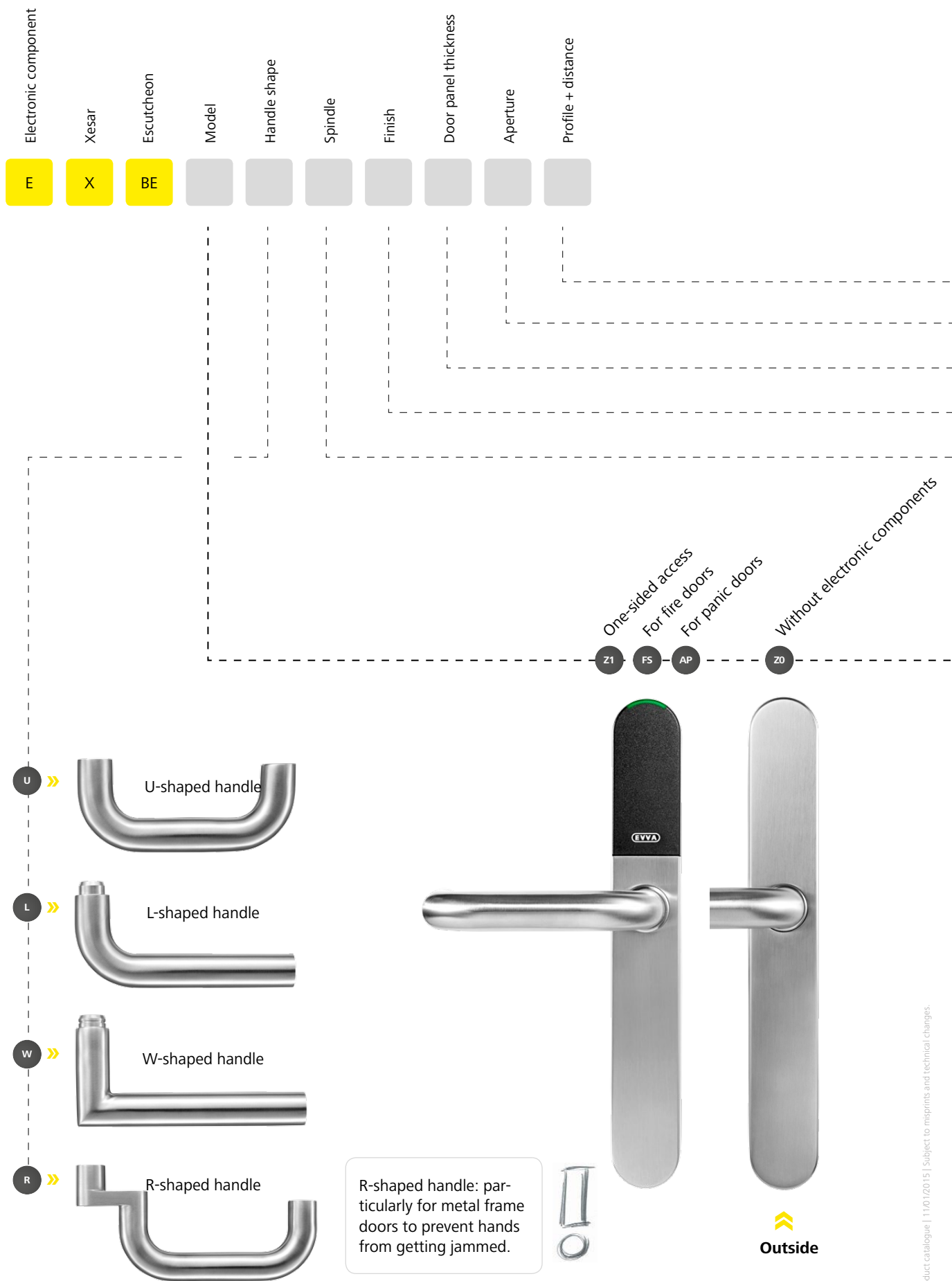
Accessories see » **Page 52**

## Ordering

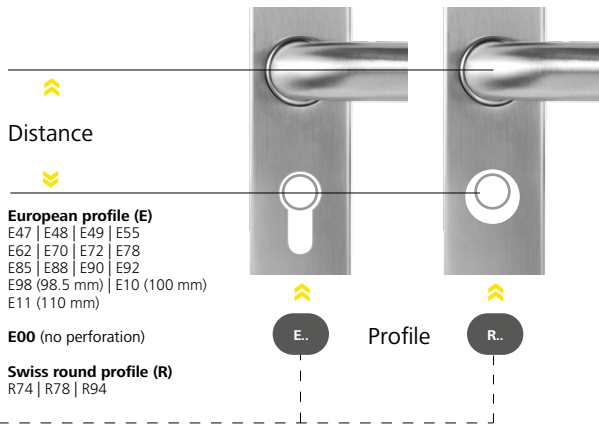
Product code	E.X.BE.ZO.[Handle shape].[Spindle].[Finish].[Door panel thickness].[Aperture].[Aperture profile + distance]
Example	E.X.BE.ZO.U.80.EM.T94.BB.E00

<sup>1</sup> In preparation.

# Xesar escutcheon | Versions and options



Measure the distance from the centre of the to the centre of the cylinder plug.



Code	Aperture (outside/inside)	Configuration
BB	Blind   Blind	● ● ● ●
BG	Blind   With aperture	● ●
GB	With aperture   Blind	● ● ●
GG	With aperture   With aperture	● ●

Notice: please state E00 as the distance if no aperture is required

**T.** Door panel thickness mm:  
39 to 114 mm  
Note: +2 mm with base plate for heavy doors

Without electronic components  
One-sided access  
For fire doors  
For panic doors

Z0 Z1 FS AP



Inside

- EM >> Satin stainless steel
- EP >> Polished stainless steel
- MP >> Polished brass

- 80 >> Spindle, 8 mm
- 85 >> Spindle, 8.5 mm
- 90 >> Spindle, 9 mm  
Notice: required for escape and panic doors

**Matching products**

- > Comprehensive escutcheon accessories (see the following page)
- > Profile cylinder (see product catalogue for mechanical locking systems)



## Xesar escutcheon | Accessories



### Base plate

Suitable to cover existing holes when replacing escutcheons in existing doors. The design matches the outline of the escutcheon. Available in three finish versions and sizes.

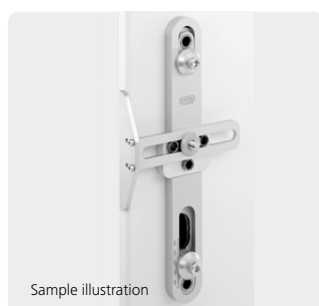
Sales unit	2
Dimensions	B52 – 52 × 292 × 2 mm   B65 – 65 × 305 × 2 mm   B76 – 76 × 316 × 2 mm
Finish	EM – satin stainless steel   EP – polished stainless steel   MP – polished brass
Product code	E.ZU.BE.UP.[Dimensions].[Finish]
Example	E.ZU.BE.UP.B52.EM



### Base plate for heavy-duty doors

For use of the Xesar escutcheon in heavy-duty doors, such as security doors. Also suitable to cover existing holes. Available in three finish versions.

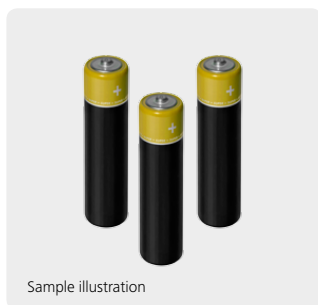
Dimensions	60 × 300 × 10 mm
Sales unit	2
Finish	EM – satin stainless steel   EP – polished stainless steel   MP – polished brass
Product code	E.ZU.BE.UP.BST.[Finish]
Example	E.ZU.BE.UP.BST.EM



### Drilling template

High-grade drilling template to easily prepare doors for assembly of Xesar escutcheons and Xesar handles. An adjustable stop safeguards the holes are correctly aligned and it enables to adapt the settings to match the requirements of any door situation. Hardened metal drilling sleeves guarantee a long service life even after intense use.

Product code	E.ZU.BE.BS.V1
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**Set of spare batteries**

Set of spare batteries consisting of 10 commercially available AAA batteries

Product code	E.ZU.BAT.AAA.V1.M10
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**Emergency power device**

If batteries have not been replaced in due time despite the warnings, you require an emergency power device to provide Xesar escutcheons with power.

Product code	E.ZU.NG.V1
--------------	------------

Xesar escutcheon





# *Xesar handle*

»The ideal indoor solution«



## x **Xesar handle**

The Xesar handle is the ideal and economic solution for internal solid and glass doors. Plus you also benefit from the easy and versatile application.

Our extensive range of handles and finishes provides the perfect solution for every situation. The Xesar handle is also available without electronic components for a uniform design within a system.

The Xesar handle is ideal for installation in existing doors thanks to its simple assembly concept and high lock compatibility. Simply screw on and done.

Maintenance is also not an issue and done in no time by replacing a commercially available battery.

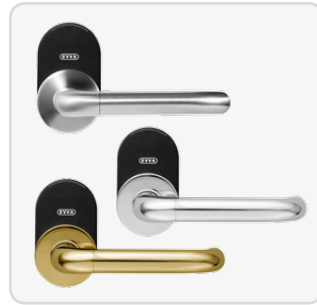
## Xesar handle | Benefits

### Design



#### Compact design

Brings together electronic and mechanical components in a very restricted area.



#### Range of high-quality finishes

All versions are either available in satin stainless steel (as standard), polished stainless steel or polished brass.



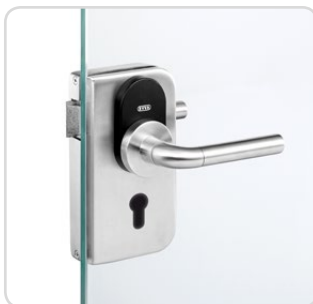
#### Handle shape

A handle to suit any taste.  
The three classics: U, L and W.

#### Additional benefits

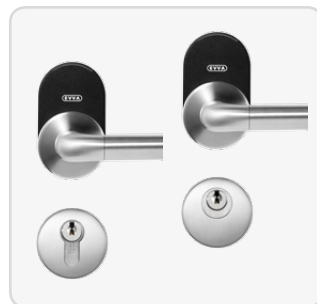
- Visual and acoustic status and function indicator
- No visible screw connections
- Handle fitting available in identical design without electronic components
- Suitable for customer-specific rosette handles on the inside

### Function



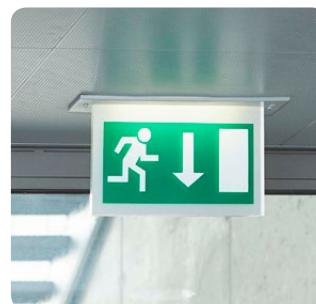
#### Also ideal for glass doors

In conjunction with the matching lock the Xesar handle also integrates into any glass door.



#### Enhanced functionality

The optional installation of a mechanical cylinder results in additional functions, depending on the selected lock type (e.g. emergency lock).



#### Suitable for escape doors

The Xesar handle is also compatible with EN 179 escape door locks.

#### Additional benefits

- Outside handle has been disengaged to turn freely and provide a high level of tampering protection
- Inside handle is always engaged
- Schedule-based or manual office mode
- Blacklist function
- The protocol saves the last 1,000 events
- Easy to update using Xesar tablet
- Easy battery replacement
- Particularly long battery life

## Technology

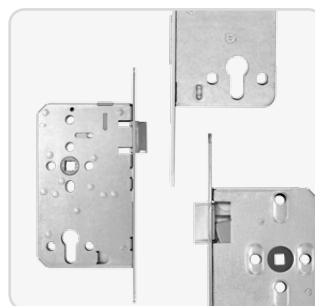
### Additional benefits

- Power supplied using one commercially available CR123A battery
- 90 minute fire protection
- AES encryption



### Perfectly suitable for retrofitting

Adherence to the 38 mm standard for screw connections often makes retrospective drilling on the door obsolete.



### Very compatible with locks

There is no need for dedicated mortise locks as essential lock standards are complied with.



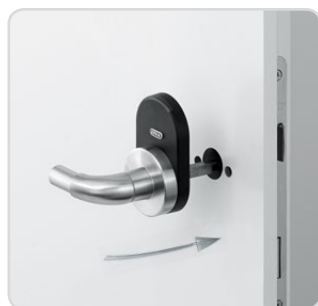
### With a handle range of up to 40°

(depending on the installed mortise lock). The long handle range also allows to combine Xesar handles with special locks (e.g. multi-point locks).

## Assembly

### Additional benefits

- Easy assembly
- Can be adapted to the door situation (left/right)
- No special assembly tools required
- Supported by assembly videos and manuals
- Drilling template enables faster assembly



### Simple positioning

Position the external assembly on the prepared door. No cabling is necessary between door components.



### Quickly fasten screw connections

Fasten the internal and external components, lock the internal rosette in place and secure with the headless screws.



### Insert the battery

Insert the battery into the handle tube of the external handle and secure with a headless screw.



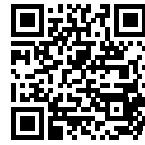
QR codes with assembly videos available!



## Xesar handle | One-sided access

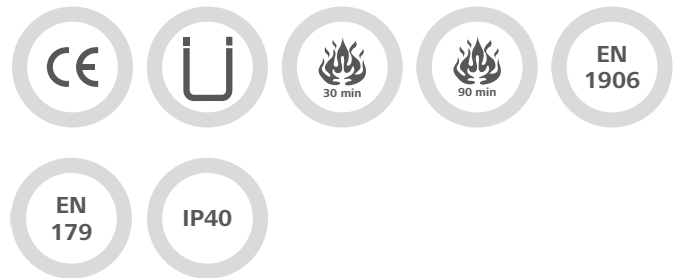


### Assembly



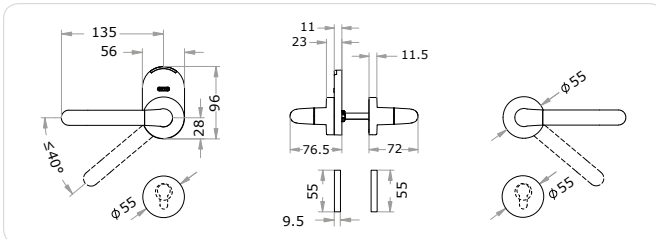
QR code for assembly video

### Standards

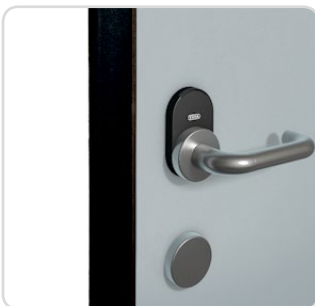


Xesar handles are the organisational product for internal, solid doors and can be perfectly combined with profile cylinders.

Xesar handles with one-sided access are perfectly suitable for solid doors, glass doors, doors to offices, meeting rooms and engineering facilities as well as fire and escape doors.



## Application examples



### Internal, solid door

Xesar handles match a host of internal doors, such as office doors, doors to meeting rooms or engineering facilities.



### Also ideal for glass doors

Xesar handles are suitable for DIN glass door locks and also for solid glass doors, for instance in offices or meeting rooms.



### Mechanical emergency lock

Xesar handles can be combined with profile cylinders at the rosette, making it particularly easy to retrofit emergency locks.



### Ready for emergencies 24/7

Xesar handles are also suitable for escape doors equipped with locks certified as per EN 179.

## Technical information

Handle shape	U   L   W
Spindle	80 – 8 mm   85 – 8.5 mm   90 – 9 mm
Finish	EM – satin stainless steel   EP – polished stainless steel   MP – polished brass
Door panel thickness	T[Door panel thickness mm] – 35 to 95 mm
Handle pointing towards	LI – left   RE – right
Cylinder rosette	REP – European profile   RRP – Swiss round profile   RBL – blind
Security features	Outside handle disengaged to turn freely   Optional emergency power supply via programming interface   Can be combined with mechanical emergency lock cylinder   AES encryption
Standards and guidelines	CE tested   Compliance certificate for fire safety   EN 1634: 30 minutes   EN 1634: 90 minutes   Austrian standard 3859: 30 minutes   Austrian standard 3859: 90 minutes   EN 1906   EN 179   IP rating IP40
Technical installation situation	Can be combined with conventional mortise locks with a handle path of up to 40° (depending on the installed mortise lock) as well as self-locking escape door locks as per EN 179   Suitable for use in glass doors in conjunction with the matching glass door lock
Dimensions	96 × 56 mm
Compatible identification technologies	Mifare DESFire EV1
Battery	1 CR123A lithium battery   Up to 50,000 cycles
Signals	Visual + acoustic
Conditions of use	Ambient temperature +5 °C to +50 °C (depending on the battery)   Humidity < 90 %, non-condensing   For ≥ 200,000 cycles as per EN 1906   IP40 protection
Event protocol	Last 1,000 events
Interfaces	Connection to Xesar table
Included components	Handle   Set of screws   CR123A lithium battery   Assembly manual   Important information   Drilling template

## Versions



Handle shape



Spindle



Finish



Door panel thickness



Handle pointing towards

## Options



Cylinder rosette



Accessories

Versions and options

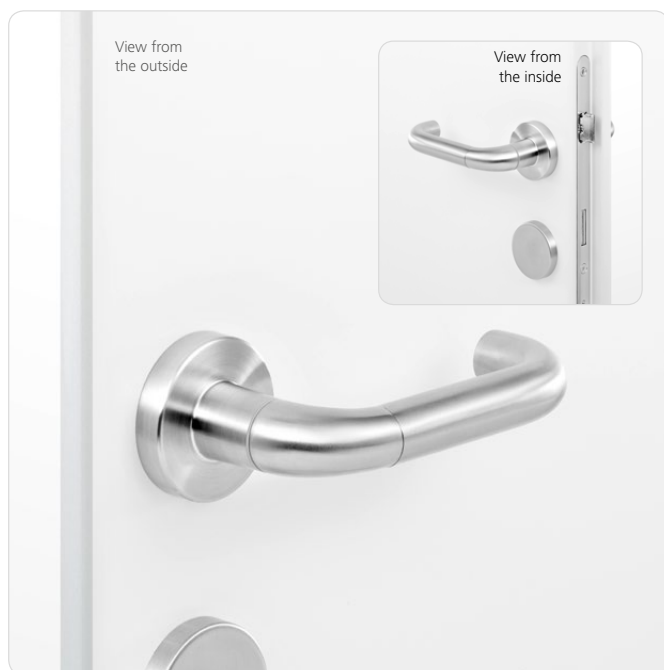
see **» Page 62**

Accessories see **» Page 64**

## Ordering

Product code	E.X.DR.Z1.[Handle shape].[Spindle].[Finish]. [Door panel thickness].[Handle pointing towards].[Option]
Example	E.X.DR.Z1.U.80.EM.T94.LI

## Xesar handle | Without electronic components

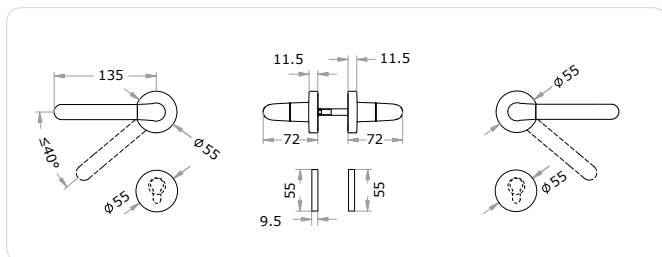


### Standards

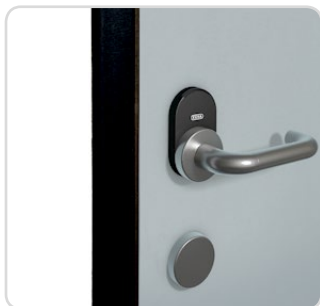


The Xesar handle without electronic components is suitable for doors in Xesar systems that are intended to have the same design but not feature access control.

Xesar handles without electronic components are perfectly suitable for solid doors, glass doors, doors to offices, meeting rooms and engineering facilities as well as fire and escape doors.



### Application examples



#### Internal, solid door

Xesar handles are the ideal organisation product for a host of internal doors, such as office doors, doors to meeting rooms or engineering facilities.



#### Also ideal for glass doors

Xesar handles are suitable for DIN glass door locks and also for solid glass doors, for instance in offices or meeting rooms.



#### Mechanical emergency lock

Xesar handles can be combined with profile cylinders at the rosette, making it particularly easy to retrofit emergency locks.



#### Ready for emergencies 24/7

Xesar handles are also suitable for escape doors equipped with locks certified as per EN 179.

## Technical information

Handle shape	U   L   W
Spindle	80 – 8 mm   85 – 8.5 mm   90 – 9 mm
Finish	EM – satin stainless steel   EP – polished stainless steel   MP – polished brass
Door panel thickness	T[Door panel thickness mm] – 40 to 100 mm
Handle pointing towards	LI – left   RE – right
Cylinder rosette	REP – European profile   RRP – Swiss round profile   RBL – blind
Security features	Can be combined with mechanical emergency cylinders – Cylinder area remains accessible
Standards and guidelines	Compliance certificate for fire safety <sup>1</sup>   EN 1634: 30 minutes   EN 1634: 90 minutes   Austrian standard 3859: 30 minutes   Austrian standard 3859: 90 minutes   EN 1906 <sup>1</sup>   EN 179
Technical installation situation	Can be combined with conventional mortise locks with a handle path of up to 40° (depending on the installed mortise lock) as well as self-locking escape door locks as per EN 179   Suitable for use in glass doors in conjunction with the matching glass door lock
Dimensions	Ø 55 mm
Conditions of use	for ≥ 200,000 cycles as per EN 1906 <sup>1</sup>
Included components	Handle   Set of screws   Assembly manual   Important information   Drilling template

## Versions



Handle shape



Spindle



Finish



Door panel thickness



Handle pointing towards

## Options



Cylinder rosette



Accessories

Versions and options

see » **Page 62**

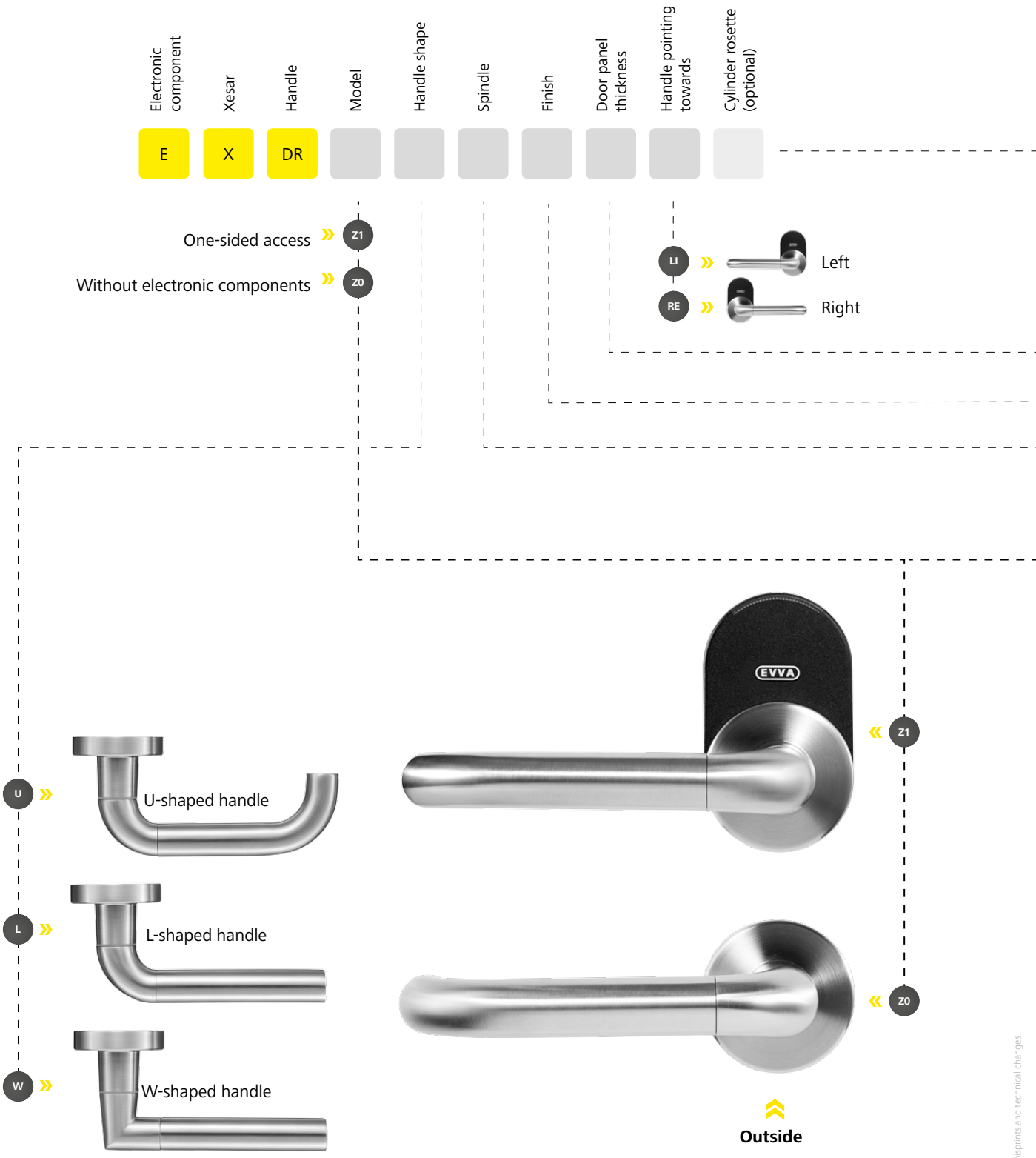
Accessories see » **Page 64**

## Ordering

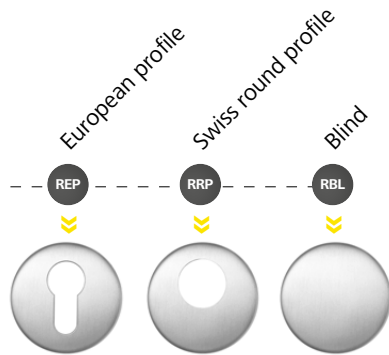
Product code	E.X.DR.Z0.[Handle shape].[Spindle].[Finish]. [Door panel thickness].[Handle pointing towards].[Option]
Example	E.X.DR.Z0.U.80.EM.T94.LI

<sup>1</sup> In preparation.

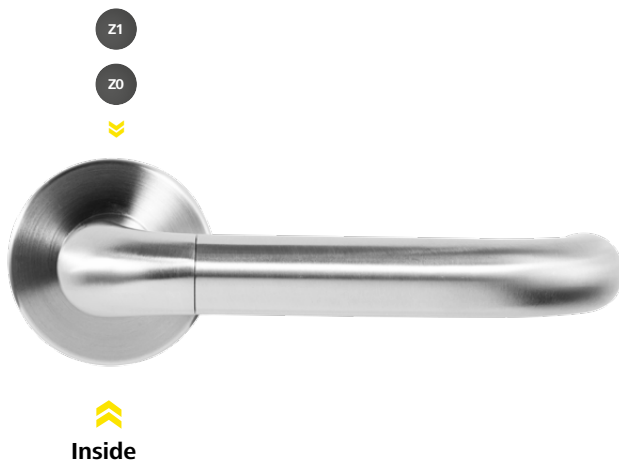
# Xesar handle | Versions and options







T. Door panel thickness mm:  
35 to 95 mm (Z1)  
40 to 100 mm (Z0)



- EM >> Satin stainless steel
- EP >> Polished stainless steel
- MP >> Polished brass

- 80 >> Spindle, 8 mm
- 85 >> Spindle, 8.5 mm
- 90 >> Spindle, 9 mm  
Notice: Required for escape doors

**Matching products**

> Profile cylinder (see product catalogue for mechanical locking systems)



## Xesar handle | Accessories

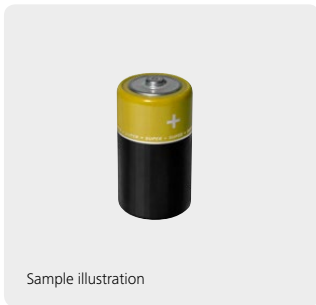


### Drilling template

High-grade drilling template to easily prepare doors for assembly of Xesar escutcheons and Xesar handles. An adjustable stop safeguards the holes are correctly aligned and it enables to adapt the settings to match the requirements of any door situation. Hardened metal drilling sleeves guarantee a long service life even after intense use.

Product code

E.ZU.BE.BS.V1



### Set of spare batteries

Set of spare batteries consisting of 10 CR123A batteries

Product code

E.ZU.BAT.CR123A.V1.M10



**Emergency power device**

If batteries have not been replaced in due time despite the warnings, you require an emergency power device to provide Xesar handles with power.

Product code	E.ZU.NG.V1
--------------	------------



## ✕ Xesar cylinder

The Xesar cylinder is the security product to lock doors both indoors and outdoors. It comes equipped with all fundamental security features of a high-quality lock cylinder, such as plug pulling and drilling protection. The outside thumb turn has been disengaged to turn freely and provide a high level of tampering protection.

The modular design of the Xesar cylinder is also unique. It enables elongation adjustments on site and simplifies planning. This is particularly practical if you want to use the cylinders in another door and can easily and flexibly adapt the cylinder when exchanging it.

By the way: several modules of the mechanical EVVA product range can be combined with the Xesar cylinder.



## *Xesar cylinder*

» *The security product and its timeless design  
for interiors and exteriors* «

Xesar escutcheon

Xesar handle

Xesar cylinder

## Xesar cylinder | Benefits

### Design



#### Dual signalling

The Xesar cylinder is equipped with a visual and acoustic status and function indicator.



#### Various finishes

The available, metal finishes for Xesar cylinders include nickel, polished nickel or polished brass.



#### The perfect match

The mechanical, inside thumb turn is of high quality and matches the overall design perfectly.

#### Additional benefits

- Elegant design, matches any escutcheon.

### Function



#### Access control on both sides

For areas where exit controls are also required.



#### Half cylinder version

The Xesar half cylinder fits in any key switch and it is therefore also suitable for garages.

#### Additional benefits

- Schedule-based or manual office mode
- Suitable for external emergency power supply
- The protocol saves the last 1,000 events
- With blacklist function
- Easy to update using Xesar tablet
- Particularly long battery life

## Technology

### Additional benefits

- › Suitable for use outdoors
- › Matches all conventional locks
- › Also suitable for multi-point locks
- › Operates with commercially available CR2 batteries
- › 90 minute fire protection
- › AES encryption



### Drilling and plug pulling protection

Xesar cylinders are of a high, mechanical quality and also equipped with drilling and plug pulling protection.



### Modular design

The modular design of Xesar cylinders enables on-site elongation adaptation, simplifies warehousing and offers more flexible assembly options.



### Anti-panic function

Xesar cylinders with their patented cam reset function are suitable for all conventional emergency exit and panic locks as per EN 179 and EN 1125.

### Additional benefits

- › Easy assembly
- › Suitable for any conventional door panel thickness
- › Supported by assembly videos and manuals



### Assemble outside thumb turn

Insert the batteries into the outside thumb turn and assemble it on the cylinder body using the Xesar cylinder assembly tool.



### Secure the cylinder

Secure Xesar cylinders to the lock using cylinder fixing screws.



### Position inside thumb turn

Assemble inside thumb turn.

## Assembly



QR codes with assembly videos available!



## Xesar cylinder | One-sided access



### Assembly



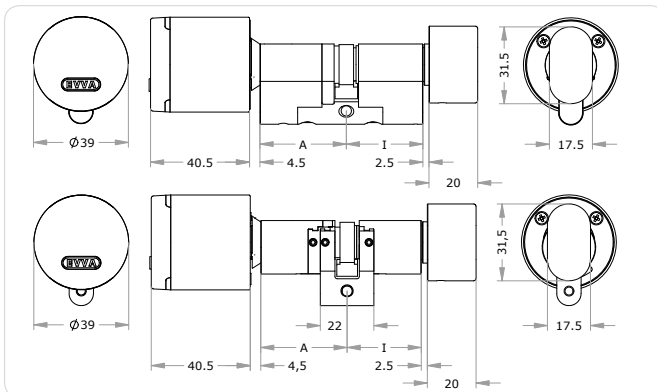
QR code for assembly video

### Standards and guidelines



Xesar cylinders with one-sided access are the ideal solution for doors with maximum security requirements on the inside and outside, featuring external access control. The mechanical thumb turn guarantees a way out from the inside at any time.

For instance, the cylinders are suitable for solid panel doors and metal frame doors. The cylinders are also suitable for existing doors in listed monuments as there is no need for drilling.

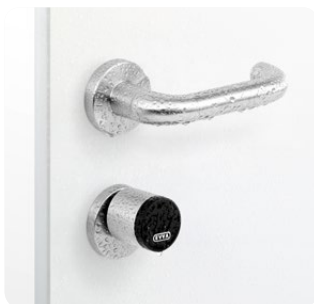


### Assembly tip

Assembly requires the special assembly tool

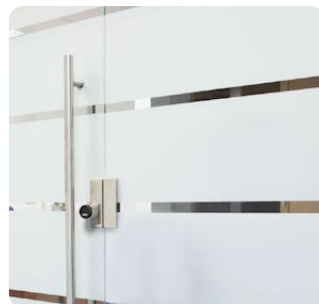
» Page 78

### Application examples



#### External doors on buildings

Xesar cylinders are perfectly suitable to secure the main, side or back entrances of buildings.



#### Maximum security

Xesar cylinders are particularly suitable for areas where security is paramount, such as server rooms.



#### Ideal for listed monuments

Ideally suitable for historically significant doors in which merely the cylinders can be replaced for reasons of monumental conservation.



#### Escape doors as per EN 179

Perfectly suitable for escape doors of all kinds with patented cam reset function.



## Technical information

Profile	KZ-S – European profile   RKZ-S – Swiss round profile
Cylinder length on the outside A in mm	31   36   41   46   + 5 mm ... Standard: A + l ≤ 92 mm, special lengths: A + l ≥ 97 mm
Cylinder length on the inside l in mm	K27   K31   K36   K41   K46   + 5 mm ... Standard: A + l ≤ 92 mm, special lengths: A + l ≥ 97 mm
Finish	NI – nickel   NP – polished nickel   MP – polished brass
Thumb turn shape	X1K – Inside thumb turn, mechanical (standard) BLIND <sup>1</sup> – blind module   ATA <sup>1</sup> – adaptable thumb turn axis
Technical installation situation	FZG <sup>1</sup> – free-wheel function (from 31/K31 to 81/K81)   FAP <sup>1</sup> – anti-panic function (from 31/K31 to 81/K81)   FLU <sup>1</sup> – irrespective of installation position
Elongated outside thumb turn axis	AV05 – 5 mm   AV10 – 10 mm   AV15 – 15 mm
Cam	SEP – European profile   SRP – Swiss round profile   BIF – Biffar Z10 – Cogwheel cam 10   Z18 – Cogwheel cam 18
Additional certificate	SKG <sup>1</sup> – SKG***   VDS <sup>1,2</sup> – VdS***
Security features	The outside handle has been disengaged to turn freely   Rotary damper <sup>2</sup>   Rated brake point on the outside thumb turn   Engages only if authorised   Event protocol   Drilling protection   Plug pulling protection   AES encryption
Standards and guidelines	CE tested   EN 1634: 30 minutes   EN 1634: 90 minutes   IP65 rating   EN 15684: 1.6.B.3.A.F.3.2   Suitable for locks as per EN 179/1125 (when using the anti-panic function (FAP)) <sup>1</sup>   SKG*** <sup>1</sup>   VdS*** <sup>1,2</sup>
Technical installation situation	Inside and outside doors with maximum security requirements and subject to severe weather conditions   Suitable for installation in fire doors.
Compatible identification technologies	Mifare DESFire EV1
Battery	2 CR2 lithium batteries   Up to 50,000 cycles
Signals	Visual + acoustic
Conditions of use	Ambient temperature range: –20°C to +55°C (depending on the battery)   Humidity < 90 %, non-condensing   for 100,000 cycles as per EN 15684 <sup>1</sup>   35 mm minimum backset   IP65 protection
Event protocol	Last 1,000 events
Interfaces	Connection to Xesar tablet
Scope of supply	Xesar cylinder   Cylinder fastening screw   2 CR2 lithium batteries   Assembly manual   Important information

## Versions



Profile



Cylinder length



Finish

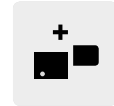
## Options



Thumb turn shape



Technical installation situation



Elongated outside turn sleeve



Cam



Additional certificate



Accessories

Versions and options

see **» Page 76**

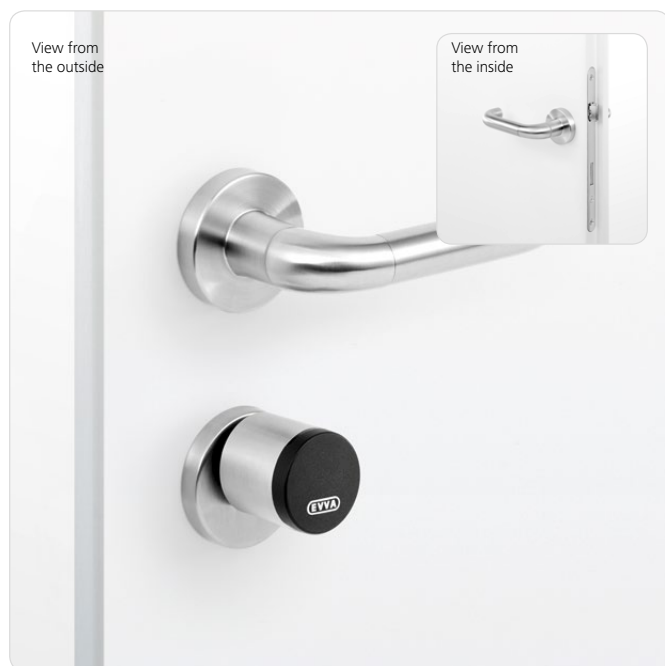
Accessories see **» Page 78**

## Ordering

Product code	E.X.PZ.[Profile].[Outside cylinder length A/inside cylinder length l].[Finish].[Option]
Example	E.X.PZ.KZ-S.31/K31.NI

<sup>1</sup> For European profile only. | <sup>2</sup> In preparation.

## Xesar cylinder | Half cylinder

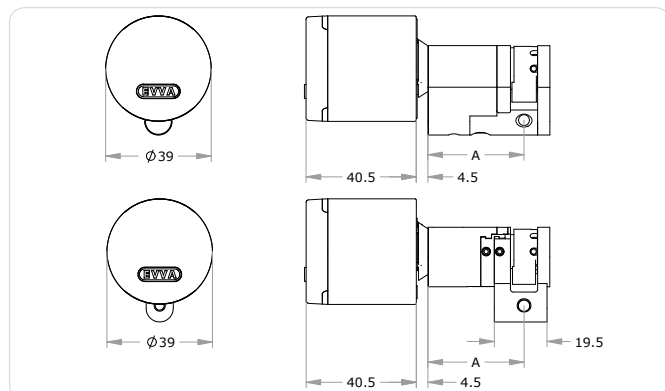


### Standards and guidelines



Xesar half cylinders are the ideal solution for doors or key switches requiring authorisation only on one side, no cylinder on the inside and maximum security requirements on the inside and outside.

Additionally, Xesar half cylinders are perfectly suitable for existing doors, listed monuments as well as metal frame doors.



### Assembly tip

Assembly requires the special assembly tool

» Page 78

### Application examples



#### Key switches

Xesar half cylinders are also suitable for installation in key switches. This allows to trigger various systems, e.g. garage doors.



#### Tubular safes

Xesar half cylinders are ideal for installation in tubular safes. (Option FSR function).



Sample illustration

#### Padlock

Xesar half cylinders with the optional FLU function are suitable for installation in half cylinders

## Technical information

Profile	HZ-S – European profile   RHZ-S – Swiss round profile
Cylinder length on the outside A in mm	31   36   41   46   + 5 mm ... Standard: A ≤ 92 mm, special lengths: A ≥ 97 mm
Finish	NI – nickel   NP – polished nickel   MP – polished brass
Technical installation situation	FZG <sup>1</sup> – free-wheel function (from 31 to 81)   FAP <sup>1</sup> – anti-panic function (from 61 to 81; from 31 to 57 with install elongation module (l = 31 mm) on request   FLU <sup>1</sup> – irrespective of installation position   FSR <sup>1</sup> – cam latching function (31, 36, 41; from 46 to 111 on request)
Elongated outside thumb turn axis	AV05 – 5 mm   AV10 – 10 mm   AV15 – 15 mm
Cam	SEP – European profile   SRP – Swiss round profile   BIF – Biffar Z10 – Cogwheel cam 10   Z18 – Cogwheel cam 18
Additional certificate	SKG <sup>1</sup> – SKG***   VDS <sup>1,2</sup> – VdS***
Security features	The outside handle has been disengaged to turn freely   Rotary damper <sup>2</sup>   Rated brake point on the outside thumb turn   Engages only if authorised   Event protocol   Drilling protection   Plug pulling protection   AES encryption
Standards and guidelines	CE tested   EN 1634: 30 minutes   EN 1634: 90 minutes   IP65 rating   EN 15684: 1.6.B.3.A.F.3.2   Suitable for locks as per EN 179/1125 (when using the anti-panic function (FAP)) <sup>1</sup>   SKG*** <sup>1</sup>   VdS*** <sup>1</sup>
Technical installation situation	Inside and outside doors with maximum security requirements and subject to severe weather conditions   Suitable for installation in fire doors.
Compatible identification technologies	Mifare DESFire EV1
Battery	2 CR2 lithium batteries   Up to 50,000 cycles
Signals	Visual + acoustic
Conditions of use	Ambient temperature range: –20°C to +55°C (depending on the battery)   Humidity < 90 %, non-condensing   for 100,000 cycles as per EN 15684 <sup>1</sup>   35 mm minimum backset   IP65 protection
Event protocol	Last 1,000 events
Interfaces	Connection to Xesar tablet
Scope of supply	Xesar cylinder   Cylinder fastening screw   2 CR2 lithium batteries   Assembly manual   Important information

## Versions



Profile



Cylinder length

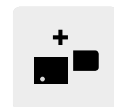


Finish

## Options



Technical installation situation



Elongated outside turn sleeve



Cam



Additional certificate



Accessories

Versions and options

see [» Page 76](#)

Accessories see [» Page 78](#)

## Ordering

Product code	E.X.PZ.[Profile].[Outside cylinder length A].[Finish].[Option]
Example	E.X.PZ.HZ-S.31.NI

<sup>1</sup> For European profile only. | <sup>2</sup> In preparation.

## Xesar cylinder | Double-sided access

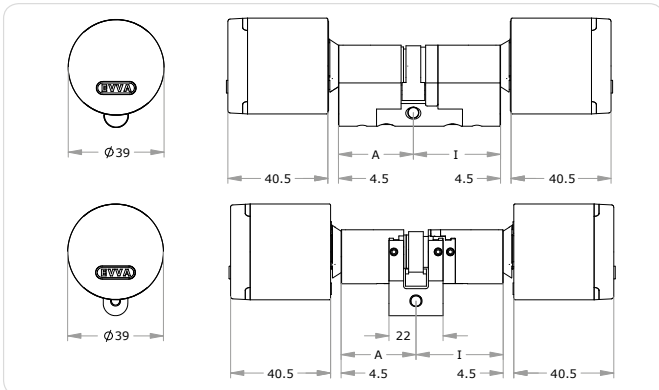


### Standards and guidelines



Xesar cylinders with double-sided access are the ideal solution for doors with maximum security requirements on the inside and outside and where access control is required from both sides. For instance, the cylinders are

suitable for solid panel doors and metal frame doors. The cylinders are also suitable for existing doors in listed monuments as there is no need for drilling.



### Assembly tip

Assembly requires the special assembly tool

» Page 78

### Application examples



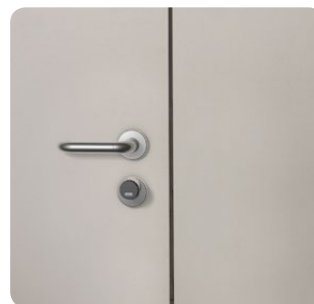
#### Temporary access

Suitable for situations in which facilities are to be connected temporarily, such as in function rooms or at GP surgeries.



#### Doors to restrict areas

Xesar double cylinders are suitable for reciprocally restricting two areas.



#### Accurate protocols

The access solution on both sides was designed for areas requiring continuous logging of all entry and exit events.

## Technical information

Profile	DZ-S – European profile   RDZ-S – Swiss round profile
Cylinder length on the outside A in mm	31   36   41   46   + 5 mm ... Standard: A + I ≤ 92 mm, special lengths: A + I ≥ 97 mm For anti-panic function (FAP): A or I ≥ 61 mm
Cylinder length on the inside I in mm	31   36   41   46   + 5 mm ... Standard: A + I ≤ 92 mm, special lengths: A + I ≥ 97 mm For anti-panic function (FAP): A or I ≥ 61 mm
Finish	NI – nickel   NP – polished nickel   MP – polished brass
Technical installation situation	FZG <sup>1</sup> – free-wheel function (from 31/31 to 81/81)   FAP <sup>1</sup> – anti-panic function (from 31/61 to 81/81; from 81/86 to 81/111 on request)   FLU <sup>1</sup> – irrespective of installation position
Elongated outside thumb turn axis	AV05 – 5 mm   AV10 – 10 mm   AV15 – 15 mm
Cam	SEP – European profile   SRP – Swiss round profile   BIF – Biffar Z10 – Cogwheel cam 10   Z18 – Cogwheel cam 18
Additional certificate	SKG <sup>1</sup> – SKG***   VDS <sup>1,2</sup> – VdS***
Security features	The outside handle has been disengaged to turn freely   Rotary damper <sup>2</sup>   Rated brake point on the outside thumb turn   Engages only if authorised   Event protocol   Drilling protection   Plug pulling protection   AES encryption
Standards and guidelines	CE tested   EN 1634: 30 minutes   EN 1634: 90 minutes   IP65 rating   EN 15684: 1.6.B.3.A.F.3.2   Suitable for locks as per EN 179/1125 (when using the anti-panic function (FAP)) <sup>1</sup>   SKG*** <sup>1</sup>   VdS*** <sup>1,2</sup>
Technical installation situation	Inside and outside doors with maximum security requirements and subject to severe weather conditions   Suitable for installation in fire doors.
Compatible identification technologies	Mifare DESFire EV1
Battery	4 CR2 lithium batteries   Up to 50,000 cycles
Signals	Visual + acoustic
Conditions of use	Ambient temperature range: –20°C to +55°C (depending on the battery)   Humidity < 90 %, non-condensing   for 100,000 cycles as per EN 15684 <sup>1</sup>   35 mm minimum backset   IP65 protection
Event protocol	Last 1,000 events
Interfaces	Connection to Xesar tablet
Scope of supply	Xesar cylinder   Cylinder fastening screw   4 CR2 lithium batteries   Assembly manual   Important information

## Versions



Profile



Cylinder length

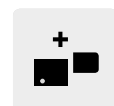


Finish

## Options



Technical installation situation



Elongated outside turn sleeve



Cam



Additional certificate



Accessories

Versions and options see [» Page 76](#)  
Accessories see [» Page 78](#)

## Ordering

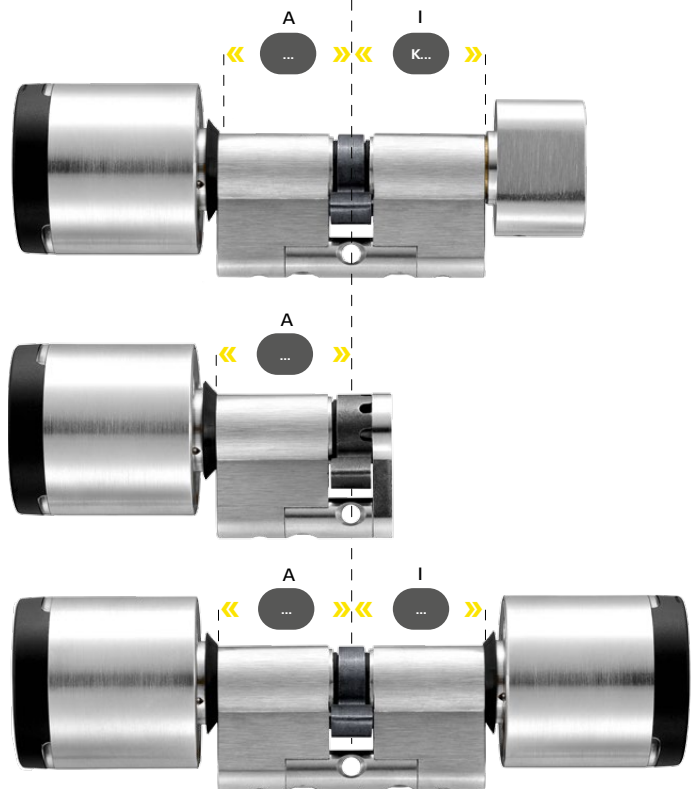
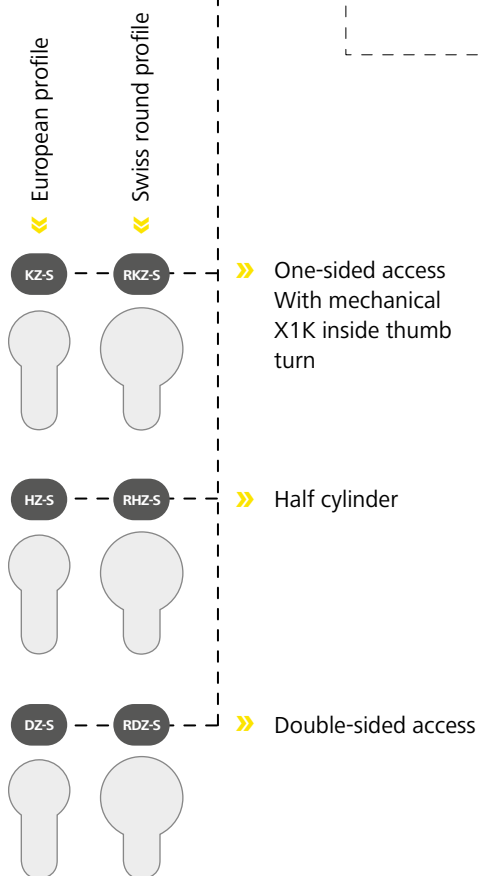
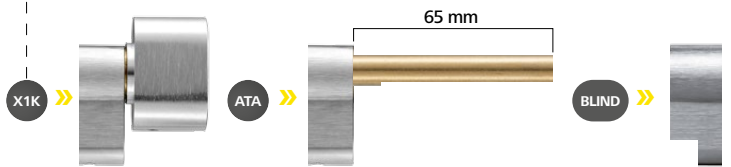
Product code	E.X.PZ.[Profile].[Outside cylinder length A/inside cylinder length I].[Finish].[Option]
Example	E.X.PZ.DZ-S.31/31.NI

<sup>1</sup> For European profile only. | <sup>2</sup> In preparation.

# Xesar cylinder | Versions and options

Electronic component	Xesar	Profile cylinder	Model	Cylinder length on the outside A	Cylinder length on the inside I	Finish	Thumb turn shape for one-sided access	Emergency function (optional)	Elongated outside thumb turn axis (optional)	Cam (optional)	Additional certificate <sup>1</sup> (optional)
E	X	PZ		/							

VDS VdS\*\*\* 1, 2  
 SKG SKG\*\*\* 1, 2

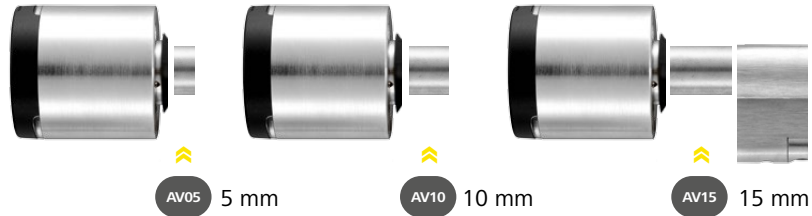


Cylinder illustrated as European profile  
 Also available as Swiss round profile



**Elongated outside thumb turn axis**

› This may be required for use with cylinders in escutcheons with plug pulling protection.



- FZG** Free-wheel function<sup>1</sup>
- FAP** Anti-panic<sup>1</sup>
- FLU** irrespective of installation position<sup>1</sup>
- FSR** Cam latching<sup>1, 3</sup>

› FZG – for locks with multi-point locks  
 › FAP – with locking cam reset function for anti-panic locks  
 › FLU – when installing cylinders in a non-vertical position  
 › FSR – for half cylinders with cam latching, independent of position

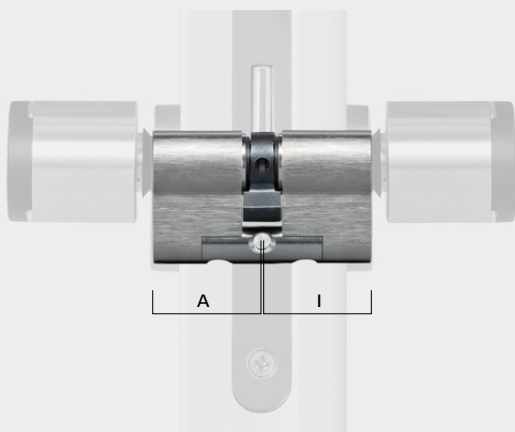
- SEP** › European profile\*
- SRP** › Swiss round profile\*
- BIF** › Biffar
- Z10** › Cogwheel cam 10
- Z18** › Cogwheel cam 18

\*Must be listed for deviating cylinder profile



**Correct cylinder lengths**

› Cylinder lengths A and I are measured from the centre of the cylinder screw to the edge of the body. The selected cylinder length must not protrude from the escutcheon by more than 3 mm.

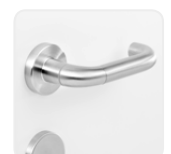


Standard:  $A + I \leq 92$  mm, special lengths:  $A + I \geq 97$  mm

**Special locking cams and cogwheels**

› Xesar cylinders can also be equipped to suit special locks, such as multi-point locks.

- NI** › Nickel
- NP** › Polished nickel
- MP** › Polished brass



**Matching products**

› Xesar handle without electronic components › see page 60

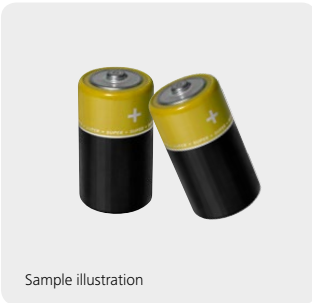
## Xesar cylinder | Accessories



### Assembly tool for the Xesar cylinder

This special tool is required to assemble and disassemble the electronic thumb turn and to replace the batteries.

Product code	E.ZU.PZ.ZWV1
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### Set of spare batteries

Set of spare batteries consisting of 10 CR2 batteries

Product code	E.ZU.BAT.CR2.V1.M10
--------------	---------------------



### Emergency power device

If batteries have not been replaced in due time despite the warnings, you require an emergency power device to provide Xesar cylinders with power.

Product code	E.ZU.NG.V1
--------------	------------



### Battery replacement set

Battery replacement set incl. 8 sealing gaskets (1x PZ9, 1x PZ7, 2x CR2)

Produktcode	E.TE.PZ.PZ14
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x

## Xesar wall reader

The Xesar wall reader can be used indoors and outdoors. It impresses with its superior design and high-quality material. In combination with the wall reader control unit, it is suitable for controlling electronic locking components in doors of all kinds, e.g. sliding and swinging doors, lifts and electronic separation systems.

Adding an updater control unit to the Xesar wall reader makes it the central security interface within the Xesar virtual network. In this process, identification media are extended by the configured validity period, up-to-date security information is imported or security updates are returned to the system.





## *Xesar wall reader*

» *Easy to use, optimum security and distinguished visual appearance* «

## Xesar wall reader | Benefits

### Design



#### Slim design

Its slim construction height means the wall reader perfectly adapts to any environment.



#### Sophisticated materials

Equipped with high-quality, durable glass front panel.



#### 18 colour combinations

Glass front panel and frame available in white, silver and black – frame in satin or polished finish.

#### Additional benefits

- › Visual and acoustic status and function indicator
- › Continuously lit RFID symbol

### Function



#### Actuate locking elements

From electrically operated locks to motorised cylinders – Xesar wall readers can actuate the most diverse locking elements.



#### Compatible with control elements

The simplest way to control automatic sliding doors, barrier systems and lifts.



#### Wall reader with updater control unit

It makes the wall reader a secure interface to the virtual network.

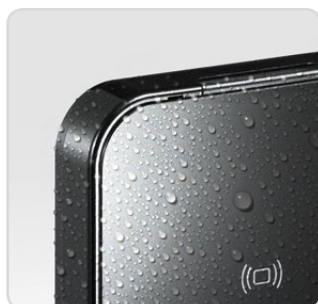
#### Additional benefits

- › Schedule-based or manual office mode
- › With blacklist function
- › Last 1,000 events saved in a protocol
- › Easy to update using Xesar tablet

## Technology

### Additional benefits

- Distances of up to 100 m between wall reader and control unit
- AES encryption



### Whenever you need them and wherever you are.

With IP65 protection, Xesar wall readers are suitable for the fiercest weather conditions.



### High level of protection against tampering

The control unit can be securely installed indoors. The wall reader offers no targets for manipulation.

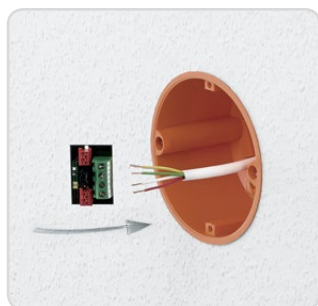


### Guaranteed power supply

The control unit data cable securely supplies wall readers with power.

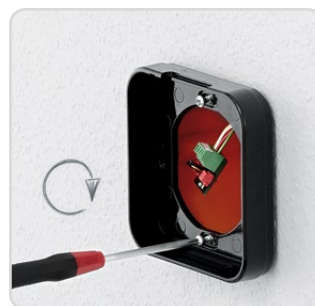
### Additional benefits

- Easy and fast to assemble
- Practical bus system
- Frames available for flush or surface mounting
- No special assembly tools required
- Supported by assembly videos and assembly manuals



### 1. Connect the plug-in PCB

Connect up to two wall readers per control unit.



### 2. Flush-mounted frame is screwed onto the flush-mounted socket

A surface-mounted frame is also optionally available.



### 3. Connect the wall reader

Connect the wall reader cable to the plug-in PCB and insert the wall reader into the frame.

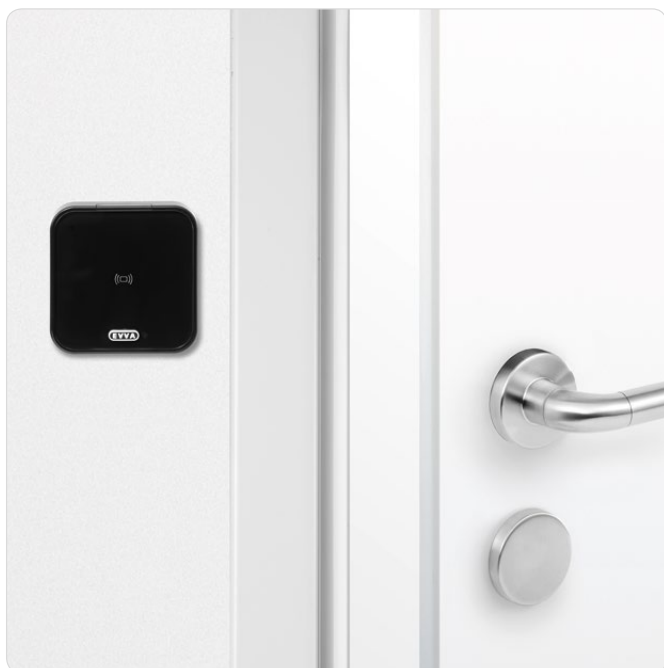
## Assembly



QR codes with assembly videos available!



## Xesar wall reader



### Assembly



QR code for assembly video  
Flush-mounted frame



QR code for assembly video  
Surface-mounted frame

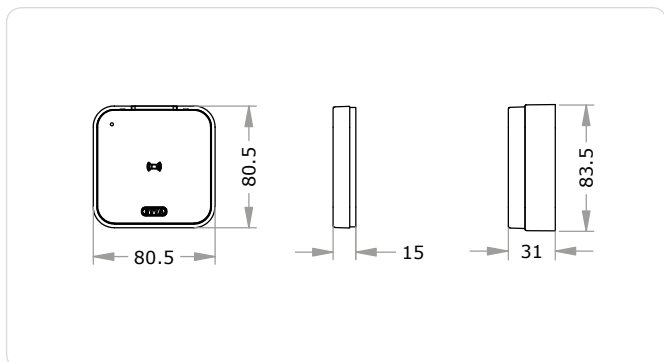
### Standards and guidelines



The Xesar wall reader in combination with the wall reader control unit is suitable for controlling electronic locking elements in doors of all kinds. For example in sliding doors or swing doors, as electronic

door openers, in lifts and in electronic gate systems.

In this process, Xesar wall readers are ideally suitable for indoor and outdoor use.



Left: front view of wall reader for flush installation

Centre: side view of wall reader for flush installation

Right: Side view of wall reader for surface-mounted installation

## Application examples



### Ideal for sliding doors

Usually wall readers are used in sliding doors requiring access monitoring.



### Ideal for locking elements

Xesar wall readers are also suitable for motorised cylinder actuation.



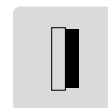
### Ideal for gate systems

Turnstiles, separation and locks can be actuated and activated using the wall reader.

## Technical information

Assembly location	RU – flush-mounted frame   RA – surface-mounted frame
Glass colour	SW – black   SI – silver   WS – white
Frame colour	SWM – satin black   SWP – polished black   WSM – satin white   WSP – polished satin   SIM – satin silver   SIP – polished silver
Security features	Wall reader in a different location to the control unit   4 mm thick glass pane   AES encryption
Standards and guidelines	CE-certified   IP rating IP65
Technical installation situation	Indoors and outdoors   Up to 100 m distance between wall reader and control unit (recommended cable type: CAT5, max. 100 m, Rloop max. 2 Ω)
Dimensions	80 × 80 × 15 mm
Compatible identification technologies	Mifare DESFire EV1
Power supply	Power supply via wall reader control unit
Conditions of use	Ambient temperature –25 °C to +70 °C   Humidity < 90%, non-condensing   IP 65 rating
Event protocol	Last 1,000 events
Interfaces	Connection to Xesar tablet
Scope of supply	Assembly location of flush-mounted version Xesar wall reader   Flush-mounted frame   2 wall seals   Set of screws   Removal tools   Assembly manual   Important information  Assembly location of surface-mounted version: Xesar wall reader   Flush-mounted frame with surface-mounted frame   Set of screws   Removal tools   Assembly manual   Important information

## Versions



Assembly location



Glass colour



Frame colour

Versions  
see » **Page 90**

## Ordering

Product code	E.X.WL.[Assembly location].[Glass colour].[Frame colour]
Example	E.X.WL.RU.SW.SWP

## Xesar wall reader | Control unit

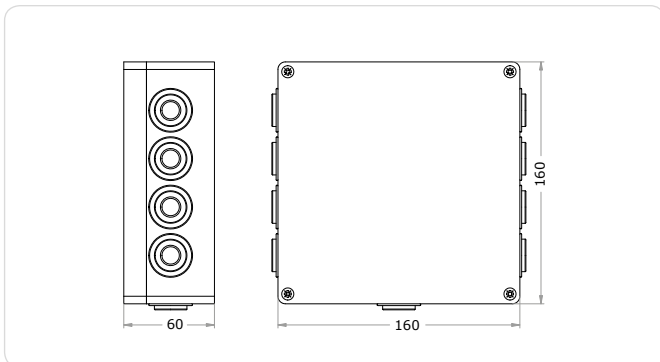


### Standards and guidelines



The Xesar wall reader control unit is suitable for controlling electronic locking elements in doors of all kinds. For example in sliding doors or swing doors, as electronic door openers, for lifts and in electronic gate systems.

The control unit can be operated with two Xesar wall readers.



### Application examples



**Easy to accommodate**  
Due to the compact design, there are countless assembly options, such as in intermediate ceilings, control cabinets, on the wall surface, etc.



**Two wall readers**  
Control two doors or entrance and exit units per control unit.



**High switching performance**  
The control unit is equipped with two relays, each with a maximum switching performance of 250 VAC.



## Technical information

Security features	Encrypted data transfer between wall reader and control unit
Standards and guidelines	CE-certified   IP54 protection
Technical installation situation	Attachment: intermediate ceilings, control cabinets   Up to 100 m distance between wall reader and control unit (recommended cable type: CAT5, max. 100 m, Rloop max. 2Ω)
Dimensions	160 x 160 x 50 mm
Power supply	12-24 VDC mains adapter, min. 24W (see accessories)     Data buffered for up to 72 h in the event of power cuts
Control situations	1 Xesar wall reader – 1 door   2 Xesar wall readers – 2 doors   2 Xesar wall readers – 1 door, with relay jumper
Switching output	At max. two relays per Xesar wall reader   max. 250 VAC   max. 16 A (ohmic) briefly, max. 10 A (ohmic) permanently
Conditions of use	+10 °C to +50 °C   < 90 % humidity, non-condensing   IP rating IP54
Event protocol	Last 1,000 events
Interfaces	To connect to Xesar tablet
Included components	Control unit, completely preassembled   Assembly manual   Important information

## Ordering

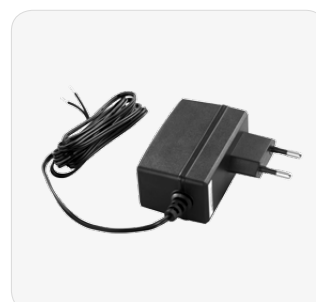
Product code	E.X.WL.CU.V1
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## Accessories

### Mains adapter for control unit

Designed as the Xesar wall reader control unit power supply (output 12V/2A, European plug).

Product code	E.ZU.WL.NTV1
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## Xesar wall reader | Updater control unit

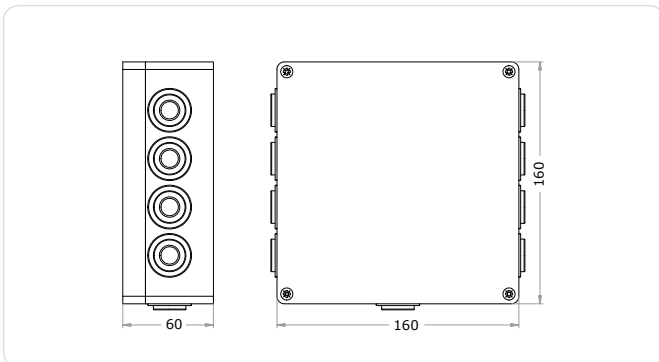


### Standards and guidelines



Adding an updater control unit to the Xesar wall reader makes it the central security interface within the Xesar virtual network.

Identification media are extended by the configured validity period, up-to-date security information is imported or security updates are returned to the system.



### Application examples



**Easy to accommodate**  
Due to the compact design, there are countless assembly options, such as in intermediate ceilings, control cabinets, on the wall surface, etc.



**Wall reader as a multi-talent**  
A wall reader in combination with the updater control unit unlocks doors and simultaneously keeps the system up-to-date.



**Update without unlocking function**  
The wall reader can also act as an updater component without providing any unlocking functions.

## Technical information

Security features	Encrypted data transfer between wall reader and control unit
Standards and guidelines	CE-certified   IP54 protection
Technical installation situation	Attachment: intermediate ceilings, control cabinets   Up to 100 m distance between wall reader and control unit (recommended cable type: CAT5, max. 100 m, Rloop max. 2Ω)   Distances of up to 100 m between updater control unit and Ethernet adapter
Dimensions	160 x 160 x 50 mm
Power supply	12-24 VDC mains adapter, min. 24W (see accessories)     Data buffered for up to 72 h in the event of power cuts
Control situations	At maximum 14 updater wall readers per system 1 Xesar wall reader – 1 door
Switching output	At max. two relays per Xesar wall reader   max. 250 VAC   max. 16 A (ohmic) briefly, max. 10 A (ohmic) permanently
Conditions of use	+10 °C to +50 °C   < 90 % humidity, non-condensing   IP rating IP54
Event protocol	Last 1,000 events
Interfaces	To connect to Xesar tablet
Included components	Control unit, completely preassembled   Ethernet adapter Mains adapter for Ethernet adapter   Assembly manual Important information

## Ordering

Product code	E.X.WL.CU.V2
--------------	--------------

### Mains adapter for control unit

Designed as the Xesar wall reader control unit power supply (output 12V/2A, European plug).

Product code	E.ZU.WL.NTV2
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## Accessories



# Xesar wall reader | Versions

**Glass front panel**  
 Resistant to scratches, glass finish in various colour versions.



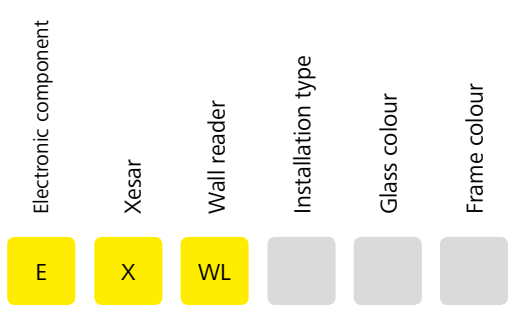
Glass in black



Glass in silver



Glass in white



Flush-mounted frame



Surface-mounted frame



SW

SI

WS

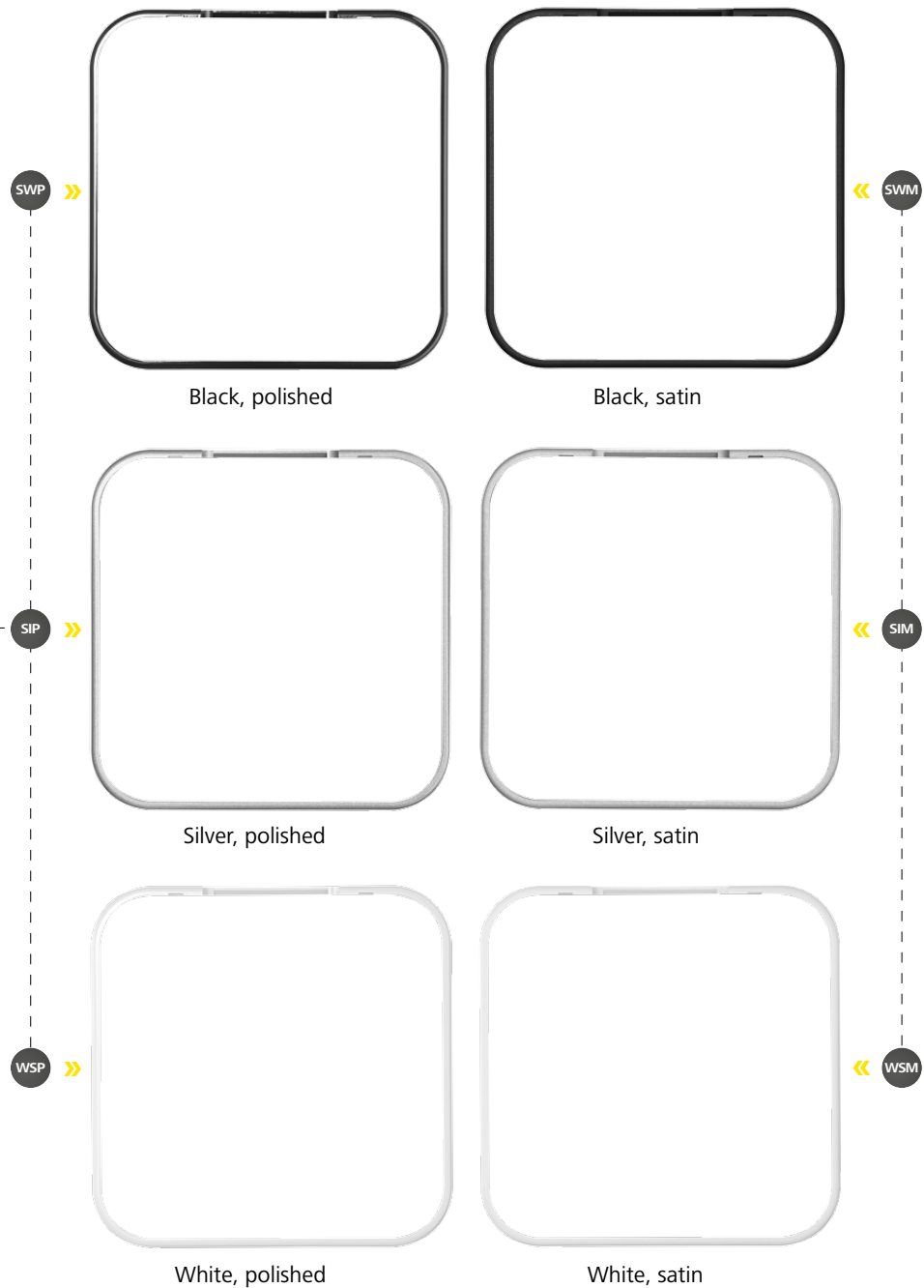
RU

RA



**Frame versions**

Available with polished or satin finish.  
Frame made of plastic with rounded-off shape.



**The perfect combination**

- > Matches any environment: puristic, monochrome or with combined finishes.



**Matching products**

- > Control unit and updatet control unit
- > EMZY electronic motorised cylinder (see product catalogue for mechanical locking systems)



# Xesar software

» High performance, easy to use  
and transparent «

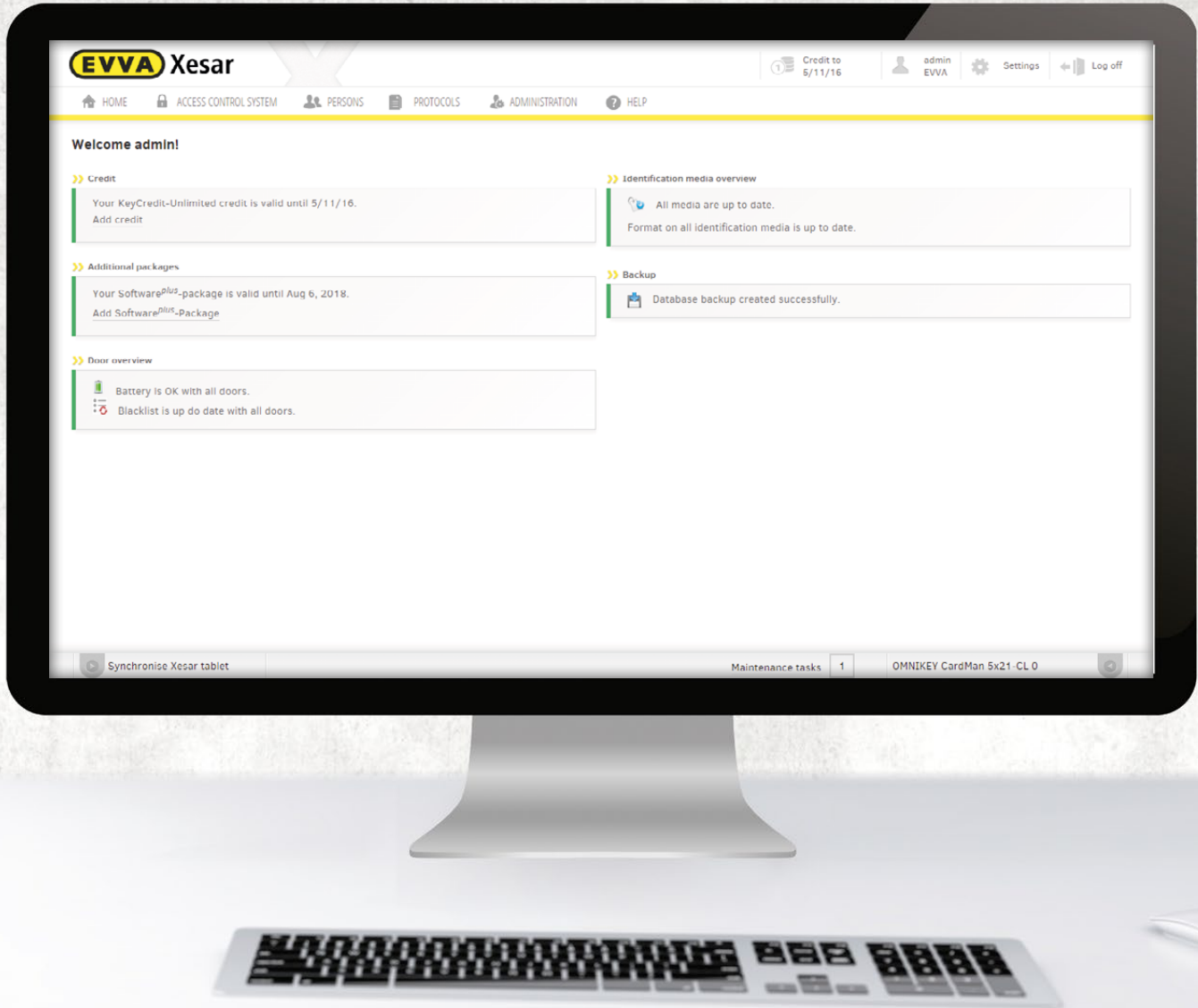
## ✦ Xesar software

The Xesar software operates on the same, simple terms as the Xesar locking system. It consists of the Xesar PC software and the Xesar tablet app. Countless intelligent features allow convenient, day-to-day management.

The Xesar software provides anything a modern locking system needs: door and user administration, time-controlled operation and permanent event protocols

By the way: the Xesar software is also very quick and easy to install .





Xesar escutcheon

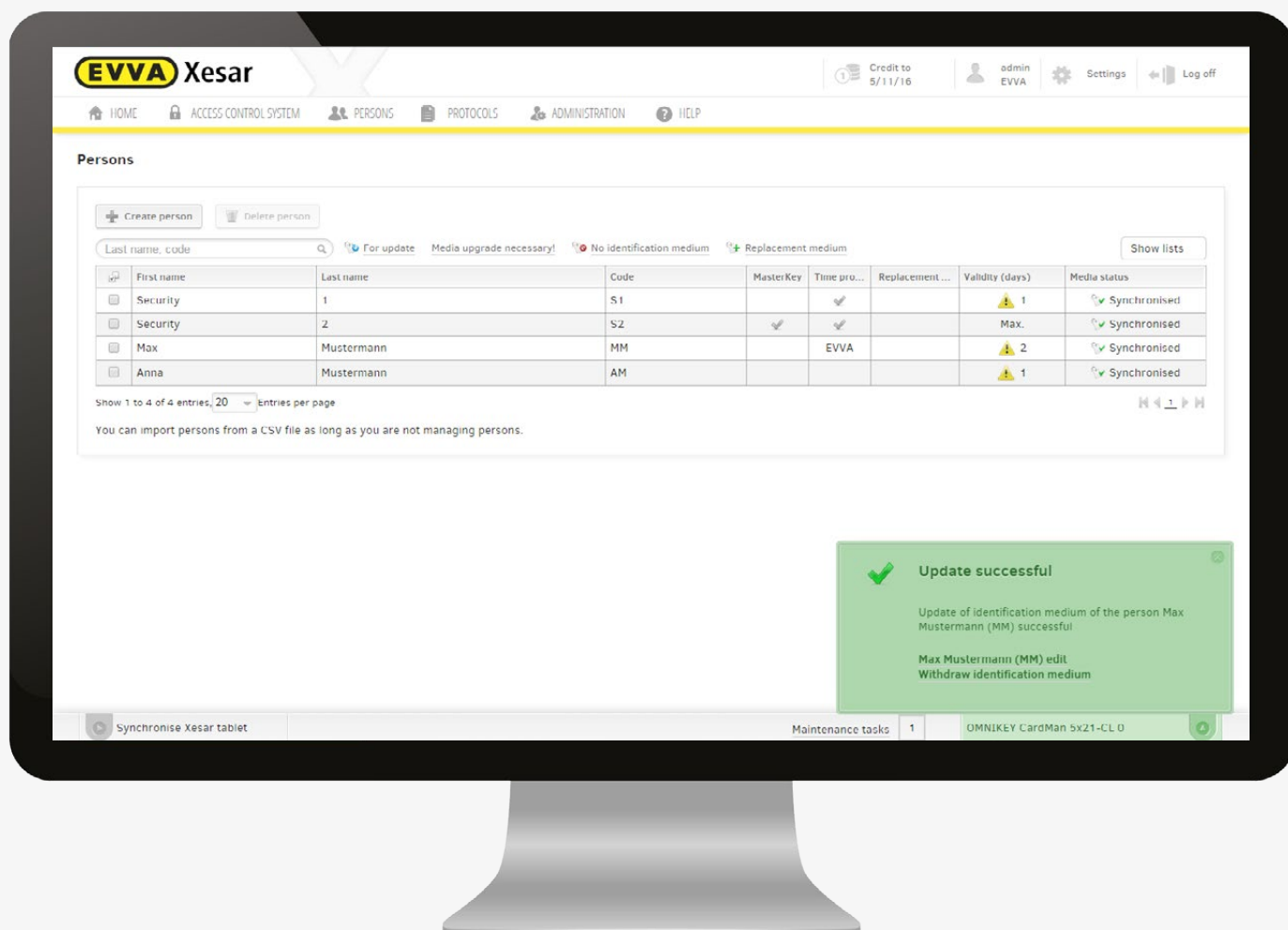
Xesar handle

Xesar cylinder

Xesar wall reader

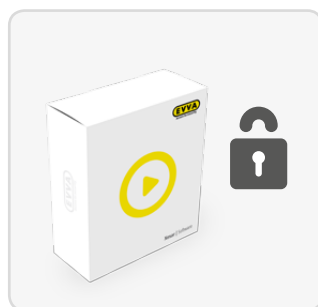
Xesar software

# Xesar software | Benefits



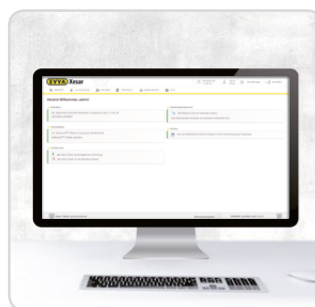
## Practical Xesar tablet

For commissioning access components, configuration changes and to quickly transfer the blacklist.



## Transparent security

You are always up-to-date in terms of security thanks to the Xesar software 2.1. Anytime anytime and at a glance.



## Clearly arranged dashboard

At a glance: Are all doors secure? Are battery replacements required? Have blocked identification media been deleted?



## Simple protocol lists

Have new media been issued? Who had access when and to which facilities? Obtain an overview with a simple click.



## KeyCredits

The Xesar software is free of charge – with the KeyCredits you only pay what you really need.

### › KeyCredits 10, 50, 100

For systems with just a few users and/or infrequent changes to access authorisations, we offer KeyCredits 10, 50 or 100. New KeyCredits can simply be added whenever you need them.

### › KeyCredit Unlimited

KeyCredit Unlimited offers systems with more than 50 users and frequent changes unlimited access authorisation changes for a period of 1 or 3 years.

### › Software<sup>plus</sup> card

You require a Software<sup>plus</sup> card to enable the virtual network. Expose the code on the rear of the card, enter it in the Software<sup>plus</sup> package section to activate the virtual network for a period of three years. Available from any EVVA specialist retailer.

You can switch from KeyCredits 10, 50, 100 to KeyCredit Unlimited at all times. Any unused credits remain valid.

### This is how it works:

Merely one KeyCredit is necessary to create or change an identification medium with any number of access authorisations. As a rule, deleting access authorisations is free of charge.

#### 1. Buying KeyCredits

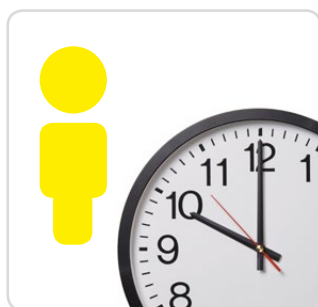
KeyCredits are exclusively available from your EVVA-Partner. The purchased credits are uploaded to the Xesar software.

#### 2. Creating access authorisations

Access authorisations can be easily created with the Xesar software. For instance: person 1 is authorised to enter and exit door 1 and door 2 at certain times.

#### 3. Debiting a KeyCredit

A KeyCredit is debited for the creation or change of access authorisations. The authorisations are transferred to the identification medium during the next update.



#### Practical time profiles

Time profiles can be pre-configured and transferred to a certain user group.



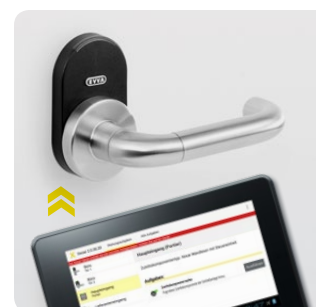
#### Flexible validity period

A validity period of a few days will regularly supply the software with security information.



#### Useful delete key

The software notifies of unlocking attempts by blocked identification media and their permanent deletion.



#### Maintenance status information

Important system administrator information: office mode period has changed, please synchronise doors.

## Xesar software | PC software



### Important links:



Tutorial  
<http://video.ewva.com/tutorials/xesar/software>

The Xesar PC software and its interface represent state-of-the-art technology and provide all the functions of a modern and effective locking system – from user administration to event protocols.

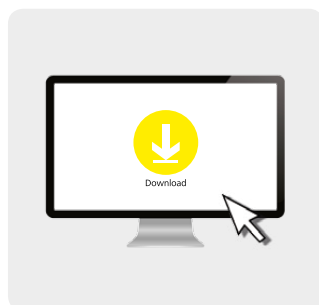
Countless features, such as status displays, dashboard and individual settings facilitate operation and increase system security.

Thanks to the unique EVVA KeyCredits you only pay what you actually need.

Simply download the Xesar PC software free of charge and install it in a few steps.

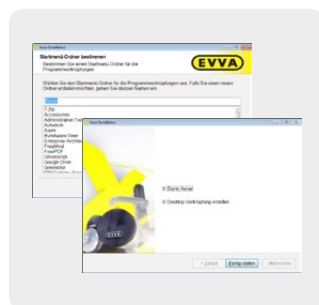
The Xesar tablet app is already preinstalled on the Xesar tablet.

## Installation process



### Download

Download the Xesar software free of charge.



### Installation

Install the software in a few, simple steps.

Simple update from Xesar 2.0 and 1.1 to Xesar 2.1

## System requirements

Operating system	Windows 7, 64 bit, 32 bit   Windows 8.1, 64 bit, 32 bit
Processor (CPU)	1.2 GHz 64 bit, or higher
RAM	At minimum 4 GB (32 bit)/ 8 GB (64 bit) available RAM
Hard disk space	At minimum 1 GB hard disk space
Internet interface	Required to enable KeyCredits
Tablet PC interface	1× USB host 2.0
Coding station interface	1× USB host 2.0
Installation size	Approx. 300 MB
Input/output devices	Keyboard   Mouse   Minimum screen resolution 1,366 × 768

## Minimum system configuration

System components	Xesar PC software   Xesar tablet (incl. connection cable)   Coding station   Admin Card   Identification media   At minimum 1 locking component (e.g. Xesar escutcheon)
-------------------	---

## Performance features

User administration	Assign access authorisations to software users   Different software features can be enabled per user role
Media/user administration	Up to 65,000 users per system   One identification medium can be assigned to each user   Identification media can be equipped with time profiles: 7 days of the week, 5 special days   Allows to define 50 special days   Automatic updates for the identification media upon contact with coding stations   Emergency media with restricted validity possible
Locking components	Manual office mode ((de)activated using an authorised identification medium on the locking component)   Schedule-based office mode (controlled by time profiles saved in the software)   Allows to define up to 96 door areas (groups doors together to facilitate the assignment of authorisations)   Blacklist (list of blocked identification media)   DeleteKey function: Blocked identification media are deleted upon attempting identification at the door   Summer/ winter time set automatically
Authorisations	Permanent access (no time profile)   Periodic access (with time profile)   Manual office mode can be activated on each medium   Expiry of authorisation can be set individually
Protocol/events	Logs 1,000 events per locking component   Events transferred from door to software using the Xesar tablet   Optionally allows to deactivate archiving personal event   Events that can be saved: access granted (person, door, date, time), office mode (automatic, manual), battery warnings, winter/summer time, firmware updates, battery replacements
Data protection	Automatic deletion of personal data   Saving of personal data can be deactivated
Language	Available languages: CZ, DE, EN, ES, FR, IT, NL, PL, PT, SK

## Links

Software download	<a href="http://www.evva.at/xesar/en">www.evva.at/xesar/en</a>
System manual	<a href="http://www.evva.at/xesar/en">www.evva.at/xesar/en</a> Print version on request
Tutorial	<a href="http://video.evva.com/tutorials/xesar/software">http://video.evva.com/tutorials/xesar/software</a>

# Xesar software | KeyCredits



Perfect for small and medium-sized companies

## KeyCredits 10, 50, 100

KeyCredits 10/50/100 are the customised solution for small and medium-sized companies. Particularly if you change authorisations only in rare cases or only a few people access your facilities.

You benefit from all the features of a comprehensive access software and thanks to the free Xesar software, you only pay what you actually need. Merely one KeyCredit is necessary to create or change an identification medium with any number of access authorisations.

Switch to KeyCredit Unlimited any time. It goes without saying that individual, unused credits remain valid and can be used once KeyCredit Unlimited has expired.

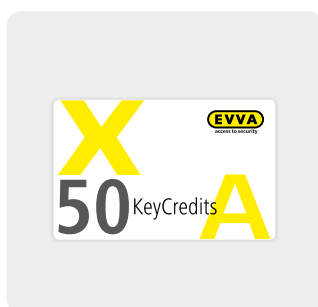


### KeyCredits 10

Create or change an identification medium with any number of access authorisations ten times.

Recommended use	1-9 persons Few changes to authorisations
-----------------	--

Product code	E.ZU.LM.KC010
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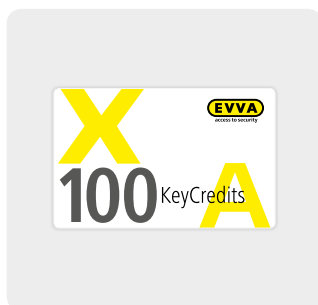
### KeyCredits 50

Create or change an identification medium with any number of access authorisations fifty times.

Recommended use	1-9 persons Frequent changes to authorisations
-----------------	---

	10-49 persons Few changes to authorisations
--	--

Product code	E.ZU.LM.KC050
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### KeyCredits 100

Create or change an identification medium with any number of access authorisations one hundred times.

Recommended use	10-49 persons Frequent changes to authorisations
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	50-100 persons Few changes to authorisations
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Product code	E.ZU.LM.KC100
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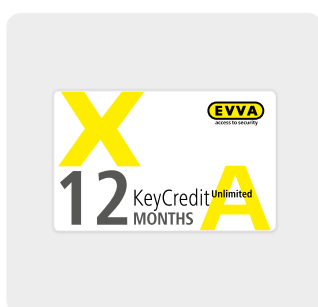
Perfect for large and medium-sized companies

## KeyCredit Unlimited

KeyCredits Unlimited for 12 or 36 months are the customised solution for medium-sized and large companies.

Low investment costs for the software and, in contrast to KeyCredits 10/50/100, any number of changes to authorisations is included in KeyCredit Unlimited.

It goes without saying that you can optionally switch to 10/50/100 after 12 or 36 months.



### KeyCredits Unlimited for 12 months

Unlimited creation of and changes to identification media with any number of access authorisations for a duration of 12 months

Recommended use

Over 50 persons for a duration of 12 months  
Frequent changes to access authorisations

Over 100 persons for a duration of 12 months

Product code

E.ZU.LM.KC12M



### KeyCredits Unlimited for 36 months

Unlimited creation of and changes to identification media with any number of access authorisations for a duration of 36 months

Recommended use

Over 50 persons for a duration of 36 months  
Frequent changes to access authorisations

Over 100 persons for a duration of 36 months

Product code

E.ZU.LM.KC36M



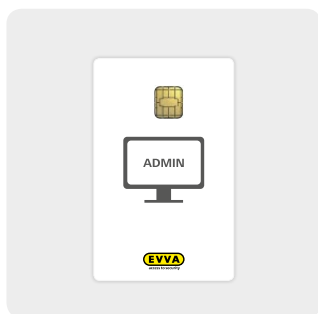
### Software<sup>plus</sup>

For activation of the virtual network.

Product code

E.ZU.LM.PLUS1.V1

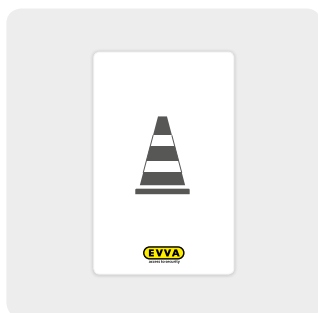
## System accessories | Identification media



### Admin Card

This security mechanism guarantees that exclusively authorised persons can create Xesar identification media. Access authorisations can be assigned at the coding station exclusively using the Admin Card. The Admin Card secures sensitive system data in the Xesar software. Straight-forward new issue of the Admin Card in the event of loss or malfunction

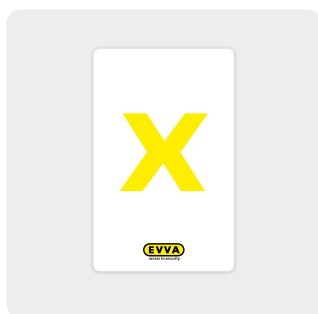
Chip	NXP JCOP
Sales unit	1 unit
Product code	E.X.IM.AC.V1



### Construction Card

To operate Xesar access components in ex works condition

Chip	MIFARE DESFire EV1
Sales unit	M5 – 5 units   M25 – 25 units   M100 – 100 units
Product code	E.X.IM.CC.V1.[Sales unit]



### Xesar EVVA Card – card in EVVA design

To operate Xesar access components

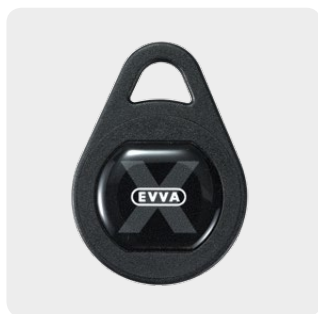
Chip	MIFARE DESFire EV1
Sales unit	M5 – 5 units   M25 – 25 units   M100 – 100 units
Product code	E.X.IM.KA.D04K.V1.[Sales unit]



### Xesar Partner Card – cards in neutral design

To operate Xesar access components

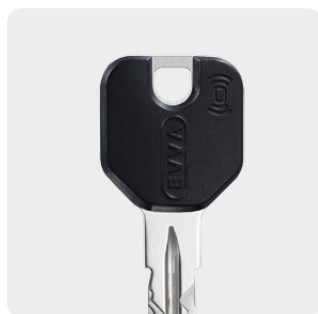
Chip	MIFARE DESFire EV1
Sales unit	M5 – 5 units   M25 – 25 units   M100 – 100 units
Product code	E.X.IM.KA.D04K.V2.[Sales unit]



### Xesar key tags

To operate Xesar access components

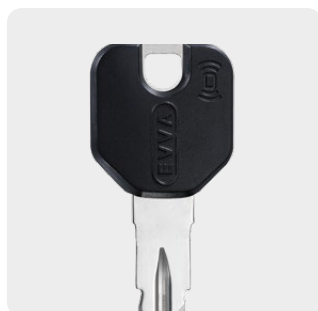
Chip	MIFARE DESFire EV1
Sales unit	M5 – 5 units   M25 – 25 units   M100 – 100 units
Product code	E.X.IM.SH.D04K.V1.[Sales unit]



### Xesar Combi key

Identification medium combined with a key to operate Xesar access components

Chip	MIFARE DESFire EV1
Keys	In MCS, 3KSplus, ICS, EPS, EPS-M systems
Product code	See mechanical solutions product catalogue



### Xesar Combi key with elongated neck

Identification medium combined with a key to operate Xesar access components

Chip	MIFARE DESFire EV1
Keys	In mechanical MCS, 3KSplus, ICS, EPS, EPS-M systems
Product code	See mechanical solutions product catalogue

### Initialising existing identification media

You already use compatible identification media? No problem – EVVA can make your identification media compatible with Xesar upon request. Your EVVA-Partner will be happy to give you detailed advice.



» **Electronic component**  
Perfect, added value: protocols, monitoring and time-based access restriction.

**Mechanical system**  
Robust, sturdy and durable foundation of building security.

## Combined systems

A mechanical system combined with an electronic system links the best of both worlds. Mechanical locking systems are always the core element in building security. They are robust, durable and extremely stable. When combined with electronically controlled security technology, they give rise to versatile security solutions. The electronic system allows for time restricted access authorisation, protocols and monitoring. This is particularly important for access to highly sensitive areas.

## System accessories | Xesar tablet



### Description

The Xesar tablet synchronises data. In this process, it exchanges authorisation, door status and protocol information between doors and Xesar software.

The Xesar tablet comes with the Xesar tablet app pre-installed.

### Technical information

Operating system	Android™
Interface Xesar tablet/door	USB for connection cable
Scope of supply	Xesar tablet   Preinstalled app   Xesar tablet connection cable   Mains adapter

### Ordering

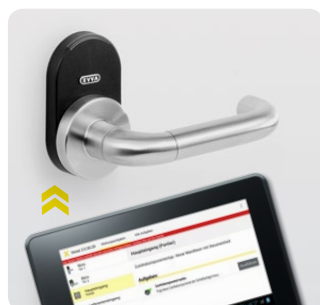
Product code	E.X.ZU.TA.V1
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### Applications



#### Commissioning

Access components are synchronised with the software using the Xesar tablet.



#### Configuration changes

Office modes or new time profiles are distributed to doors using the tablet.



#### Firmware updates

New software release installed? The Xesar tablet subsequently updates the firmware.



## System accessories | Coding station



Sample illustration

### Description

The coding station allows to assign or change authorisations to Xesar identification media. In this process, the system provides a contactless, super fast read/write procedure. The coding station is connected to a PC running the installed Xesar software via a USB interface.

Security feature: authorisations can be assigned and changed exclusively if the Admin Card has been inserted into the slot.

### Technical information

Dimensions	115 × 96.5 × 25.5 mm
Power supply	Power supplied via USB (5 V)
Standards	ISO 7816 + EMV2 2000, level 1
Smart card transfers	420 kbits/s (if supported by media)
Conditions of use	Ambient temperature range: 0–55 °C
Colour	Dark grey
Included components	Coding station   Operating instructions   Xesar Admin Card not within scope of supply

### Ordering

Product code	E.ZU.CS.V1
--------------	------------

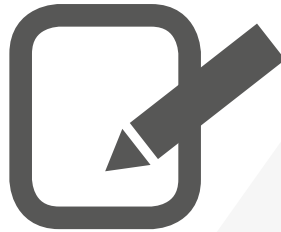
# Xesar | Implementation

**01** Page 106

**Support**  
Customer requests, support tools,  
system selection, quick test

**02** Page 110

**Planning**  
Project planning, project planning tools,  
prices, standards



# 03

Page  
**114**

## Setup

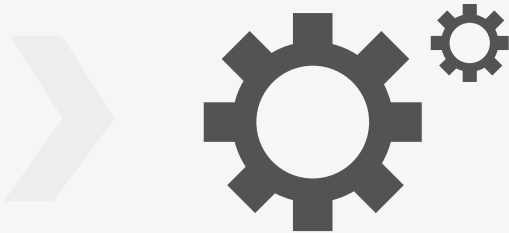
Ordering, delivery times, system setup

# 04

Page  
**116**

## Handover + operation

Documentation, maintenance + updates



## Support | Parameters, tips and tools



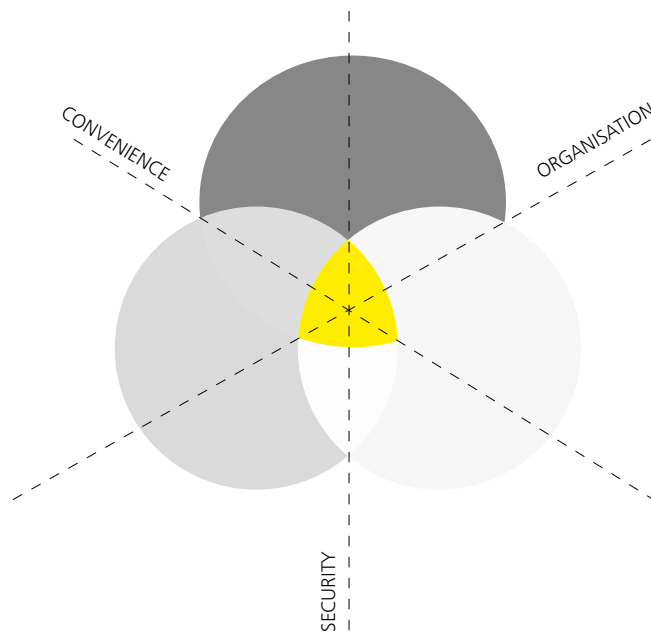
Comprehensive and responsible support is particularly important with regard to security.

For this reason, we at EVVA support our partners with our comprehensive expertise. Firstly, in dedicated training sessions. Secondly, by joining forces with our partners throughout support and planning.

### Each building is unique

This is also true for security technology. Most of all, it is important to identify the main tasks and the requirements that must be complied with at an early stage.

Ideal security planning always takes into account three central aspects: **convenience, organisation and security**. This creates room for individual and personal solutions.



#### Security

Above all, security requirements depend on the type and structure of the property. Different building areas often have different protection levels with different lock and security technology to protect persons, tangible assets and intangible assets (personal data).

#### Organisation

Organisational requirements define how flexible the security technology must be in ongoing operation. The objective is to support and simplify overall administration.

#### Convenience

User group (employees, customers, contract firms, etc.) convenience requirements have a decisive influence on the selection of a security technology. Users differ in their behaviour, trustworthiness, usage patterns and length of stay.

## Important issues

What is ideal for one building may be inadequate for another. Even in individual areas within the same facilities there are often different requirements.

Maximum security is paramount for sensitive areas, in other areas convenience and simple system operation are in the focus.

We have compiled the most important questions in the **Support checklist**.

**Support checklist**  
 » [www.evva.com](http://www.evva.com)

*... Are there sensitive areas on the property that must be especially protected and monitored?* Research laboratory, managers' offices, server room, EDP department, warehouse, machine room, fleet, safes, etc.

*Are there persons within the facilities that require special protection?* Children (nurseries), babies (hospitals), prisoners, passengers, etc.

*Must the structural situation of the building be taken into account?* Special glass doors, fire doors, escape routes, listed monuments, design specifications, power supply to doors, etc.?

### Mechanical or electronic solution?

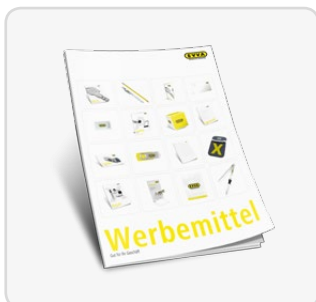
Each facility has different requirements regarding the locking systems that secure it. Purely mechanical or electronic systems may be perfect to suit your needs. Usually, it's a combination of both, making facilities efficient, convenient and secure.

Complete the quick test » **Next page**

	Mechanical system	Xesar	AirKey
Flexible extension		●	●
Flexibly grant authorisations		●	●
Low level of initial investment	●		
High level of access security	●	●	●
Quickly delete identification media		○	●
Time-controlled access		●	●
Convenient operation		●	●
Multitude of different access situations	●	●	
Send authorisations from anywhere in the world			●
No individual IT infrastructure required	●		●

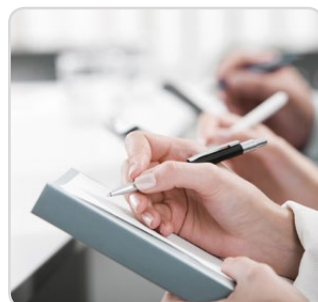
- Perfectly suited
- Suitable

These values are guide values. Only a security expert can give you optimum advice.



### Wide range of promotional materials

» EVVA promotional material catalogue



### Support checklist

» [www.evva.com](http://www.evva.com)



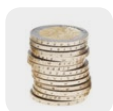
### Visit EVVA

» EVVA showroom

## Support | Quick test

You can only choose the right system once you know your customers' demands. For this purpose, check how the system performance matches customer requirements.

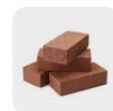
Purely mechanical or purely electronic systems are very rare. This quick test will help you make a decision regarding the appropriate or main system to focus on during planning. Just add up the points for the corresponding statements and check your results on the following page.



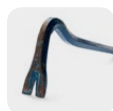
- 1 Investment costs**  
 Low investment costs for the security system play a vital role.  
 0 points



- 5 Convenient use**  
 We demand quick and simple door operation.  
 10 points



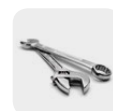
- 9 System extensions**  
 New rooms, extensions or subsidiaries must be easy to integrate into the system.  
 10 points



- 2 Crime prevention**  
 We demand automated event protocols to be able to easily investigate criminal offences. We value any preventative and deterrent effects.  
 5 points



- 6 Restructuring measures**  
 We demand quick and easy changes to facility use or user structure.  
 15 points



- 10 Installation costs**  
 Very simple installation of the security components is paramount.  
 10 points



- 3 Scheduling**  
 We demand maximum support for organisational processes using schedule-based authorisations for permanent as well as temporary users (cleaning and maintenance staff).  
 20 points



- 7 Loss of an important key or identification medium**  
 There must be no costs in the event of losing a key or identification medium granting access to secure areas.  
 30 points



- 4 Regular loss of keys or identification media**  
 From time to time, users lose keys and identification media. This must not incur any costs or entail security risks.  
 15 points



- 8 No maintenance**  
 We demand a system that operates reliably for years on end without the need for maintenance.  
 5 points



## We recommend a mechanical solution

### » 0–40 points

A classic locking system for a static user group with a low number of changes within the user structure and facilities is what you need. Automated opening or operation logs are not of vital importance.

Recommended systems:  
EPS | ICS | 3KS*plus* | MCS



## The right combination

### » 41–80 points

Primarily, you demand technical security for a wide range of areas. Quick and flexible access authorisations are required at sensitive access points. Quick processes must be in place to minimise the security risks caused by lost keys or identification media. The ideal solution for you is a combination of a mechanical and a modular, electronic locking system.

Recommended systems:  
EPS | ICS | 3KS*plus* | MCS | Xesar | AirKey



## We recommend an electronic solution

### » 81–120 points

Maximum flexibility is required to optimally support processes within the building. You are aware of automated access authorisation times and the benefits this brings. Security gaps caused by lost identification media are closed quickly. You must react quickly and in a straight-forward manner to changes in the user structure or the situation within the facilities. A comprehensive protocol that lists every access to the facilities is important to you.

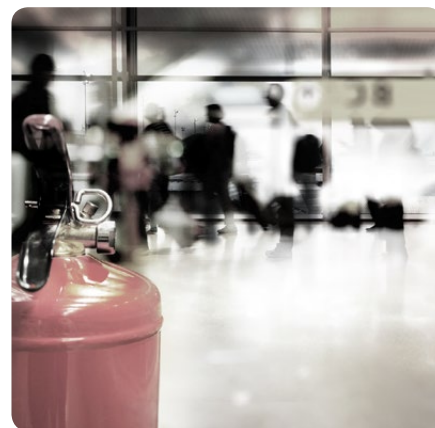
Recommended systems:  
Xesar | AirKey



# Planning | Standards

Standards play a key role in security technology. They create transparency, legal assurance and are easy to apply. Once the corresponding door situation is at hand, standards allow to easily establish

the requirements with regard to fire and smoke protection, anti-burglary properties and necessary escape route functionalities.



## Emergency exit locks

Facilities that are closed to the public and facilities that users are familiar with require products as per EN 179. This excludes privately used facilities.

### Examples

- › Offices and private, industrial management facilities
- › Private areas in event locations
- › Private areas in airports, banks and shopping centres



## Panic door locks

Public facilities must be equipped with intuitively operating door products as per EN 1125 as visitors are unfamiliar with escape and emergency routes.

### Examples

- › Public authorities and facilities open to the public
- › Shopping centres, hospitals, schools and universities
- › Hotels, nightclubs, cinemas, concert venues and other event locations
- › Airports



## Fire protection

As per the national legislation, doors have been tested and protect from fires for 30, 60, 90 minutes or beyond, depending on the requirements.

### Examples

- › Example: in Austria, doors in residential properties must protect from fires for a minimum of 30 minutes





## IP rating

The IP rating specifies the suitability of electrical equipment (devices, lights, installation materials, etc.) for different ambient conditions.

The two-digit code defines the scope of protection for each device regarding the influence from foreign matter and humidity or water. The higher the code, the better the protection.

### Examples

- › Electronic door components in access doors to residential properties with external areas, subject to severe weather conditions: IP55
- › Electronic door components in access doors to residential properties with external, roofed areas: IP40
- › Electronic door components in dusty, indoor environments: IP52



## Handles and thumb turns

EN 1906 for locks and escutcheons (handles and thumb turns) describes the mechanical requirements, such as reliability, anti-corrosion characteristics and many more in eight categories. For instance, the following example describes the first category:

### Examples

- › Category 1: average usage level by persons that take special care: internal access doors to private, residential property
- › Category 2: average usage level by persons at risk of improper use: internal doors in office buildings
- › Category 3: high usage level by persons that do not take special care and are at a high risk of improper use: internal doors in office buildings that are open to the public
- › Category 4: doors that are frequently subject to criminal activity: large sports facilities and public toilets



## Mechatronic cylinders

This European standard defines the requirements to test methods for mechatronic lock cylinders and the associated (electronic) keys. It also applies to the use of lock cylinders in conjunction with other products, such as escape door locks.

### Xesar cylinder reaches top class:

#### 1.6.B.3.A.F.3.2

- › **1** = Usage category with different requirements
- › **6** = Durability testing for 100,000 test cycles
- › **B** = For use in fire and smoke-protection doors
- › **3** = Environmental resistance class 3 of 4
- › **A** = Mechanical locking security class – not relevant, no mechanical operation
- › **F** = Electronic locking security class – highest class
- › **3** = System management includes event logging and time profiles (highest class)
- › **2** = Attack resistance with different methods (highest class)

# Planning | Project planning + prices

The most important aspect of planning and project planning is to quickly and comprehensively analyse the situation and customers' requirements.

Once the basic requirements have been fully clarified the technical and financial parameters can be determined. This prevents unexpected, additional costs.

## 2. Product selection

Find the right Xesar product using the information we provided.

	Xesar escutcheon	Xesar handle	Xesar cylinder	Xesar wall reader
Suitable for indoor and outdoor use	●	○	●	●
Suitable for security areas	●	○	●	●
Most convenient operation	●	●	○	●
No cabling required for the installation	●	●	●	●

● Perfectly suited  
 ○ Suitable

## Planning example

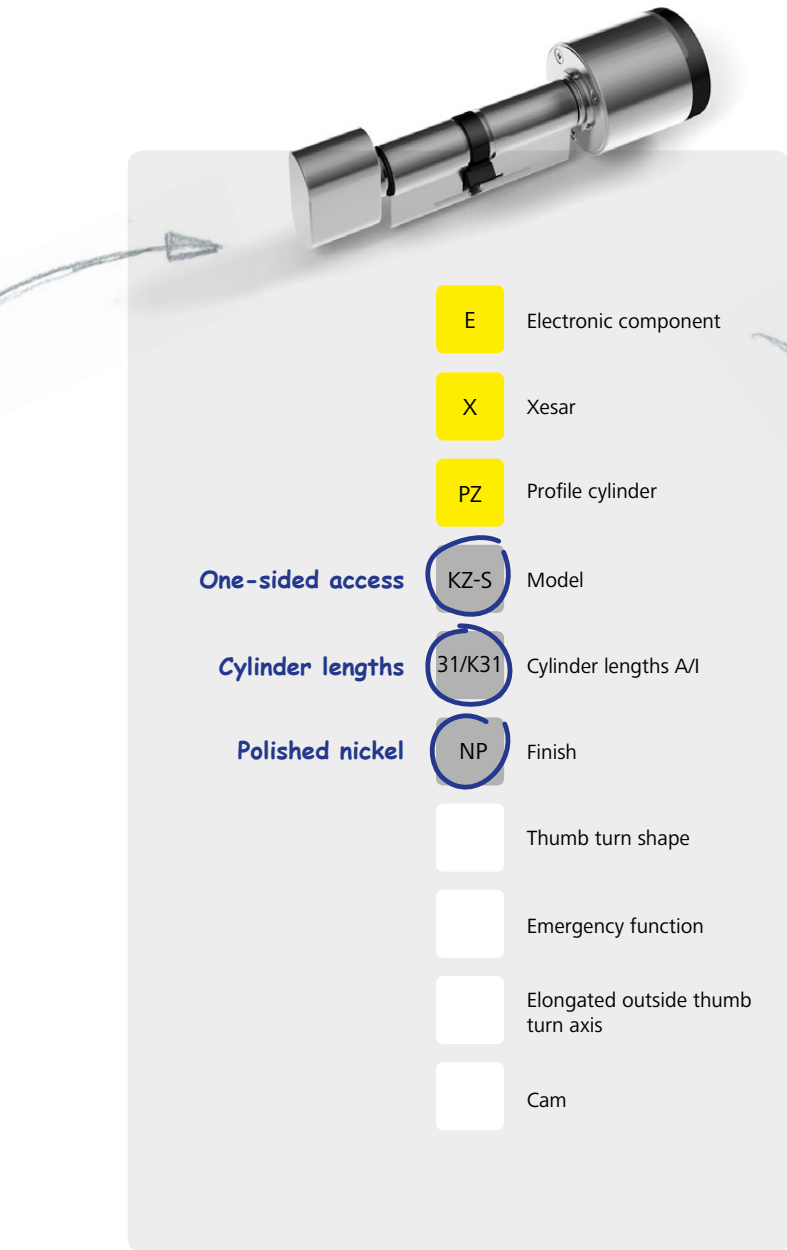
### 1. Customer request

After comprehensive consultation you have come to the following conclusion: your customer demands a high level of security at the access door (door 1) and would like a nickel look.



### Planning tip

- Use the EVVA door check list to record customer requirements and the characteristics of the door.
- Take photographs. This will allow you to quickly and easily add missing information.



### 3. Product configuration

Product codes are easy to respond to.

For Xesar cylinder configuration

» Page 76

### 4. Prices and offers

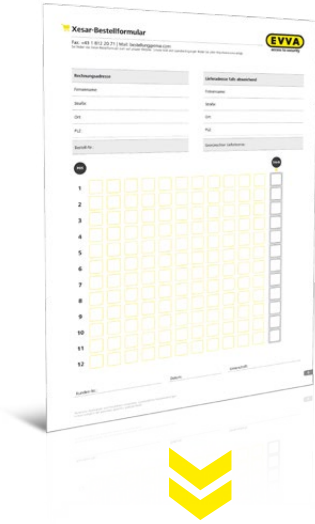
A brief glance at the price list and the offer is complete in no time.



# Setup | That's it

## Simple orders

Quickly and easily send us your completed order form from the Partner price list.



## Delivery in 10 days

EVVA's sensational delivery promise: All Xesar products will be ready for delivery within ten working days after order confirmation.\*



Xesar software:  
 download for free now and  
 create your system.



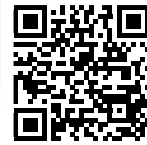
\* Applies for quantities up to 100 units.

\*\* You require an appropriate app to scan QR codes which is usually available free of charge.

## Quick assembly

Simple assembly options and detailed video documentation keep setup times to a minimum.

Scan the QR code\*\* and watch the assembly video on your smartphone. It can't get any easier!



Example  
Installation video  
for the Xesar escutcheon

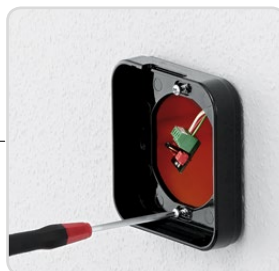
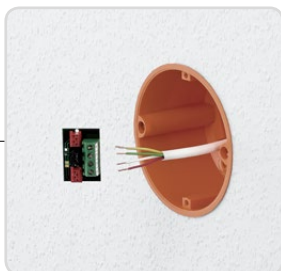
Enabling KeyCredits



Create identification media



Initialising doors



## Handover

We quickly complete projects to satisfy our Partners and customers

# Handover + operation | Components

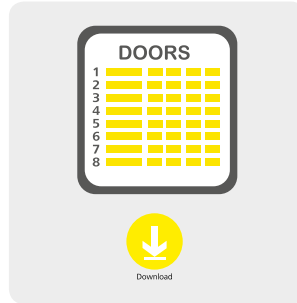
## Documentation

Documentation can be handed over to customers to facilitate and ensure maintenance and adaptations to the system.

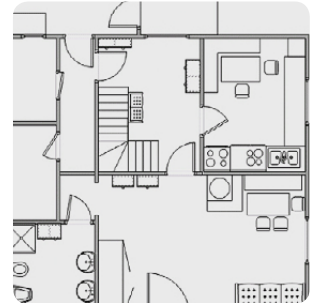
Said documentation may consist of several elements.



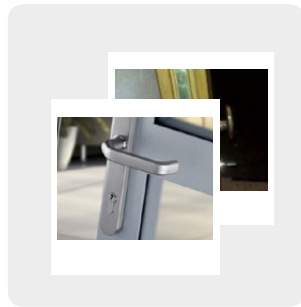
Completed product checklist



Completed door checklist with implemented products



Plans of the development project



Photographic evidence of doors and areas with restricted accessibility



System manual and data sheets

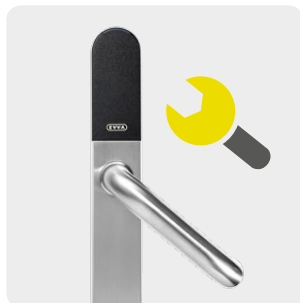


Handover protocol

\* Applies to Germany, Austria, the Netherlands, Belgium.

## Maintenance + updates

Excellent reasons to stay in touch after successful implementation.



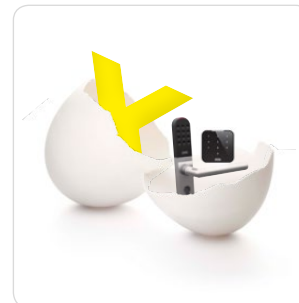
### Checks

EVVA recommends an annual, visual check of the system to safeguard the products' long service life and identify deformed doors or damaged products.



### Upgrades

Improvements or enhancements of the software and firmware increase the system's stability and enhances the functional scope.



### New products

We are continuously enhancing our range. Customers demand new functionalities. As a result, a regular exchange of ideas benefits everyone involved.

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A series of horizontal dotted lines spanning the width of the page, intended for handwritten notes or a list.

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**Publisher**

EVVA Sicherheitstechnologie GmbH

**Content management**

EVVA Sicherheitstechnologie GmbH

**Editor:** Marcus Anderle

**Graphics:** René Kern, Christine Artner | **Texts:** Marcus Anderle, Bianca Glos

**Photographs:** Vienna Paint, iStockphoto, fotolia | **Illustrations:** Utku Mutlu

**Print:** Estermann Druck GmbH, Vienna

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