



Security Tech Germany

CATALOGUE 2025

ACCESS CONTROL

Simple. Access. Organisation.

Highlight: The TECTIQ Data-on-Card system with possibly the most user-friendly software on the market



In our latest catalogue, we are presenting the
2025 Access Control range from ABUS Security Center.
Detailed information for all products can be found at **abus.com**

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SECURITY SINCE 1924

ABUS Security Center belongs to the ABUS Group and is part of the well-known global security brand.

The ABUS Group and its subsidiaries have stood for comprehensive security since 1924. As a traditional company with many years of experience, ABUS continues to set new standards and trends in the field of innovative security technology – with a particular focus on the smart interplay between electronics and mechanics.

High-quality security solutions are the result of the interplay of various factors such as hardware and software, service and advice – and the fusion of separate technologies into a comprehensive networked solution.

ABUS Security Center brings this philosophy of integrated security solutions to life with its products. And by doing so, it pursues the goal of making the everyday lives of its customers and users extra secure and comfortable.



ABUS | Security Center
Alarm systems, video surveillance, door intercom systems, electronic locking systems, digital access control



ABUS | August Bremicker Söhne
Home security, property security, mobile security



ABUS | Pfaffenhain
Mechanical locking systems and master key systems



SYSTEM COMPARISON

ABUS ACCESS CONTROL



TECTIQ



- Electronic locking system for almost any property size (also across locations)
- Simple planning & installation thanks to independent door components (e.g. fittings)
- Probably the most user-friendly software on the market (group/individual permissions, etc.)
- Permissions on locking media (“Data-on-Card”)
- Access control center including database (independent of existing servers in the building)
- Highly secure remote access through peer-to-peer (local operation without internet possible)

IP54

IP55

IP67



EN 15684

EN 16867


EN 179

EN 1125


FZG








WAPPLOXX PRO PLUS



- Electronic wireless online locking system for up to medium-sized properties
- Permission centrally from the PC in real time to all door/system components
- Mobile and flexible at any time with the wAppLoxx Pro Plus app (e.g. opening, logs)
- Integration of intruder alarm systems and ABUS IP cameras
- Intelligent event control (e-mail in the event of unauthorised access attempts, etc.)

IP67





EN 15684

EN 179

EN 1125

FZG





System	TECTIQ	wAppLoxx Pro Plus
	Short description	
Short description	Data-on-Card system – Software management with cross-location terminal networking	Wireless online system – Real-time management via PC, door opening via smartphone
Access technology	AoC / DoC	Wireless / online
System limits		
Number of persons	2000	1000
Number of doors	3000	160
Number of door groups	1000	160
Number of schedules/ schedule intervals	300/15 intervals per schedule	50 schedules, any number of intervals
Basic functions		
Office Mode	Manually active/inactive or deactivation via schedule	Can be activated via schedule
Smartphone as a key (door release)	No	Yes, via browser or app
Number of events per door component	890	100,000 for all door components
Key plan matrix	Yes	Yes
Remote access to software	Yes	Yes
Connection to alarm panel possible	No	Yes


SELECTION OF CERTIFICATIONS OFFERED

GENERAL & SECURITY

- IP54

dust-proof, protection against splash water
- IP55

dust-proof, protection against water jets
- IP67

completely dust-tight (6), protection against temporary submersion (7)
- 

SKG-safety certification (drilling, impact and core pulling protection)²
- EN 15684

European standard for mechatronic cylinders
- EN 16867

European standard for mechatronic door fittings¹

ESCAPE/RESCUE ROUTES


- EN 179


Emergency exit devices operated by lever handle or push pad
- EN 1125

Panic exit devices operated by a horizontal bar
- FZG

free-turning function suitable for FZG-tested doors

FIRE SAFETY

- 

Fire doors with fire resistance class T30
- 

Fire doors with fire resistance class T90

¹in preparation ²in preparation for TECTIQ narrow frame fitting

FLEXIBLE USE

ABUS ACCESS CONTROL

ALWAYS A SUITABLE SOLUTION

Electronic access control systems from ABUS are extremely versatile. They offer an economical and future-proof solution for any building. The high degree of flexibility and scalability in particular make them the ideal solution for commercial and public buildings of almost any size.

ALSO CONTROL BARRIERS, TURNSTILES & GATES

Using a wall reader, authorised persons can easily pass through automatic doors, turnstiles, gates and barriers. The readers are ideal for both indoor and outdoor use.



COMPANY
e.g. office & administration



CITIES & COMMUNITIES
e.g. schools & libraries



GATES
e.g. outdoor and indoor



BARRIERS
e.g. for driveways and underground car parks



HEALTHCARE
e.g. rehab & health clinics



STORE OPERATIONS
e.g. retail



AUTOMATIC DOORS
e.g. at the main entrance and for special areas



TURNSTILES
e.g. at the factory gate

ADVANTAGES & COMBINATIONS

ABUS ACCESS CONTROL

ELECTRONIC ACCESS CONTROL FROM ABUS: THE ADVANTAGES

Many factors play a role in the choice of your locking system. Electronic locking systems from ABUS offer you more efficient processes, greater security and lower long-term costs. Here is an overview of the most important advantages:



Simple blocking
of lost keys
on a PC/laptop



Intuitive operation
even without special
previous knowledge



Lean IT
e.g. through free
software & database



Power/network failure
in the building, cylinders and fit-
tings can always be locked/unlocked



Complete overview
through automatic
logging



Customised schedules
control access as required,
also to the minute



Clever combination
with alarm systems & cameras

CLEVER COMBINATION: HYBRID LOCKING SYSTEM FROM A SINGLE SOURCE

Building owners are often faced with the question of when is the right time to switch from a mechanical to an electronic locking system. Good to know: With ABUS, locking system operators also benefit from a targeted combination of electronic and mechanical components.

And it's as simple as this: for sensitive entrances, areas or rooms, existing mechanical cylinders are replaced with electronic cylinders, for example, without removing the existing fittings. A hybrid key is sufficient for locking and unlocking all doors, gates, etc. The integrated transponder can even be used to operate other systems such as alarm systems, time recording systems or billing systems in the canteen.

Mechanical double cylinder



Mechanical cam cylinder



Mechanical half cylinder



Mechanical key
with SKUNI cap



The widest range with
TECTIQ & wAppLoxx Pro Plus



Other systems such as
alarm systems, billing terminals,
time recording, photocopiers, etc.



TECTIQ

TECTIQ is a versatile access control system that is an economical, future-proof solution for any building. The high degree of flexibility and scalability in particular make TECTIQ the ideal solution for commercial and public buildings of almost any size.

SIMPLY INTUITIVE

The TECTIQ Access Manager is probably the most user-friendly locking system software on the market. Your advantage: Intuitive operation delights all users of the system to the full satisfaction of the operator.

SIMPLY PLANNED & INSTALLED

All door components (cylinders and fittings) are offline, no wiring is required. Easy to plan and install in conjunction with optional update terminals for updating the locking media.

AS SIMPLE AS PLUG & PLAY

TECTIQ is an all-in-one access solution with a local database and integrated software. The advantage: the locking system can be installed practically independently of the property's IT infrastructure and is quickly ready for operation. No IT effort for setting up servers, database migration etc. This saves costs during installation and operation.

NETWORK LOCATIONS EASILY

Do you have several buildings that are not connected to the same network but need to be managed centrally? With TECTIQ, cross-location operation has never been easier, and without a VPN connection between the locations.

Simple operation meets timeless design:
The TECTIQ fitting cuts a fine figure on any door.

SYSTEM COMPONENTS

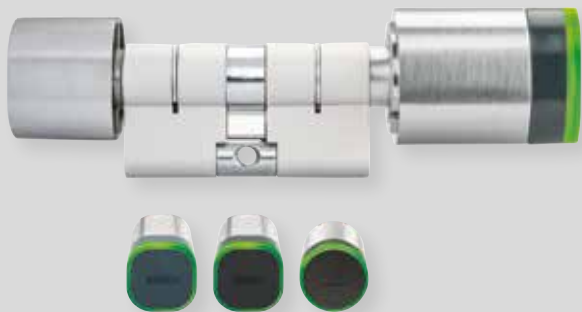
TECTIQ

MORE THAN THE SUM OF ITS PARTS

ABUS TECTIQ is the electronic locking and access control system as a comprehensive all-in-one solution for efficient access control. As a data-on-card system, it enables all doors to be fitted with wirelessly integrated door components.

DOOR CYLINDER:

robust & flexible use

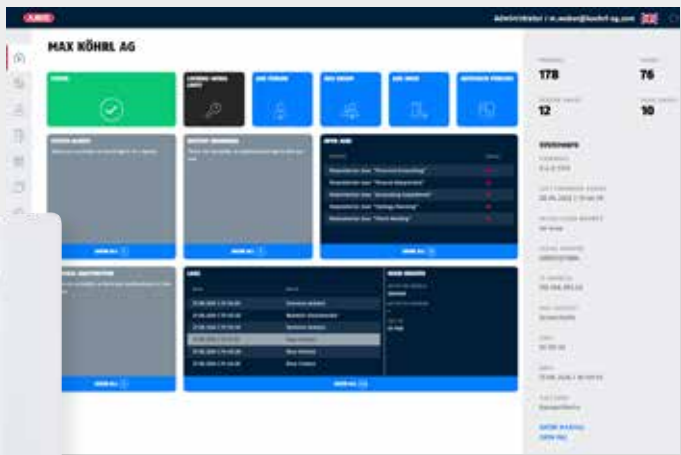


DOOR FITTINGS:

Safety & high convenience in a wide range of design variants

ACCESS CONTROL CENTER & ACCESS MANAGER-SOFTWARE:

System control center with integrated software and local database



UPDATE TERMINALS:

opens doors & updates the locking media of all users



WALL READER:

Control of electronic door openers, barriers & gates



RFID LOCKING MEDIA:

Robust chip keys, transponder cards & combination keys

ADMIN APP & SYSTEM CARDS

for system maintenance via smartphone or individual function cards



ACCESS MANAGER

TECTIQ

THE SOFTWARE MAKES THE DIFFERENCE

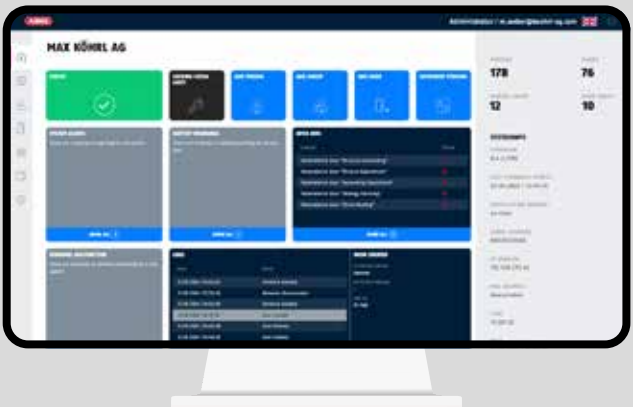
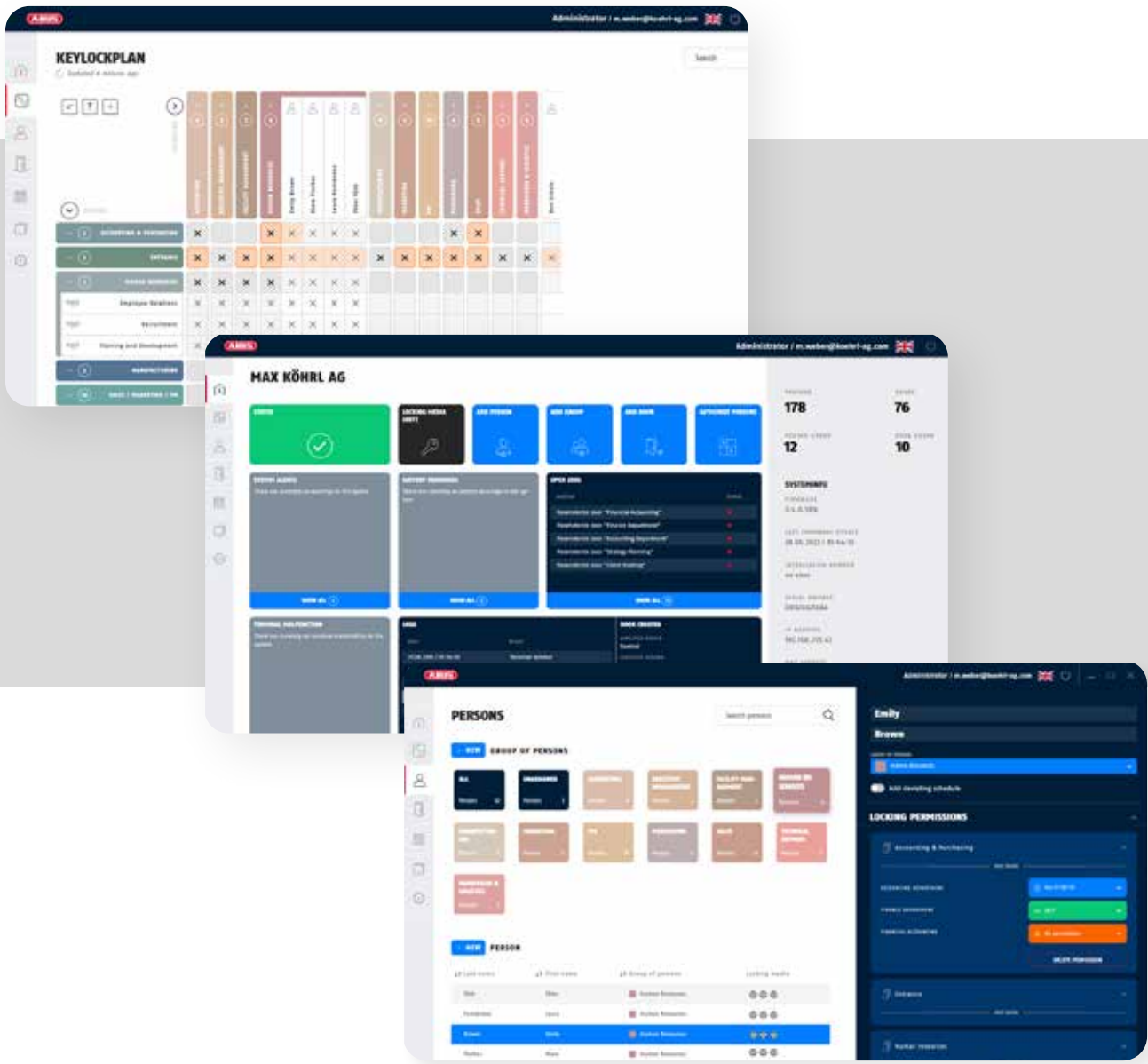
In a modern electronic locking system, all user and authorisation profiles come together in the software. In addition, several buildings can also be easily managed in the central software.

That's why the TECTIQ software has an absolutely clear design and is extremely intuitive to use. Administrators use it without errors straight away, maintain an overview and avoid extra work.



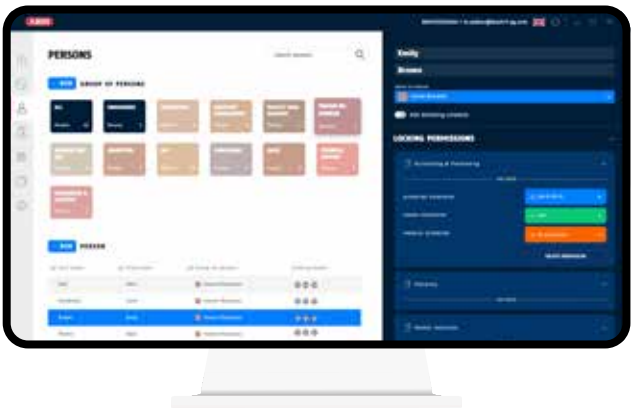
UNIQUE: FLEXIBLE AUTHORISATION MANAGEMENT

The innovative and clear locking plan matrix offers simple assignment of key permissions for individual and group permissions and speeds up work in the system enormously.



EVERYTHING AT A GLANCE: ON THE DASHBOARD

The dashboard provides an optimum overview of the system status, system log and all pending administration and maintenance tasks. Lost locking media can be blocked from here with just a few clicks.



THE COMPANY ORGANISATION 1:1 IN THE SYSTEM

The highly flexible system and grouping ensure the best overview of all users and departments. And assigning permissions is quick and easy using "drag & drop".

CARD NETWORK

TECTIQ

FOCUS ON THE LOCKING MEDIUM – HOW IT WORKS

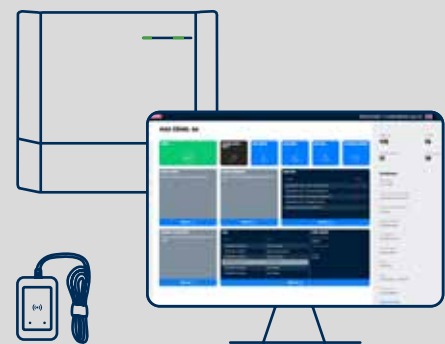
In the TECTIQ Card Network, the locking medium is at the heart of the system. The access authorisations are stored on it. If something changes in the access authorisations, this is communicated to the locking medium on update terminals or a desktop reader; it is not necessary to update the door component.

Ideally, the locking media are updated via update terminals that are installed at central access points and have the current key permissions for updating. The integrated control unit opens motorised locks, electronic door openers and barriers. It also updates the permissions and validity of the transponder. This means that the update is carried out unnoticed upon entering the building.

In addition, when the locking media are presented at the offline door components, important information such as access events and battery warnings are stored on the transponder and transferred to the system and displayed in the software when the update terminal is used. This means you are always well informed.

To ensure that all locking media are updated regularly and a high level of security is maintained, it is recommended that the validity of access authorisation is limited in time. The validity is then updated at the update terminals, e.g. for an additional 4, 8, 12 hours or several days.

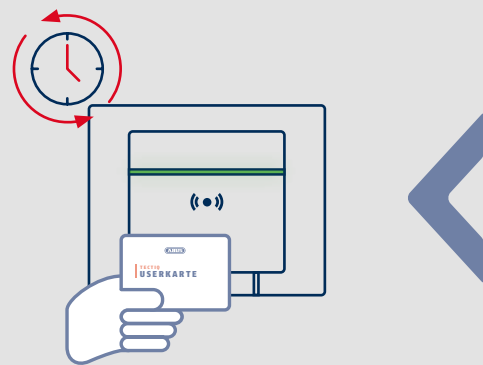
The update terminal is integrated into the network and connected to the access control center. All other components such as cylinders and fittings are battery-operated and require no wiring.



TECTIQ
SOFTWARE

Software synchronised with update terminals

- Update key plan
- Assign and change user and key permissions
- Transfer back information on events (logs) via locking media
- Manage validity of locking media (validation)



TECTIQ
UPDATE TERMINAL

Update terminals transfer data to locking media

- Update key permissions
- Extend the validity of issued permissions (e.g. by an additional 12-hour cycle)

Locking media transfer information back to software via update terminals

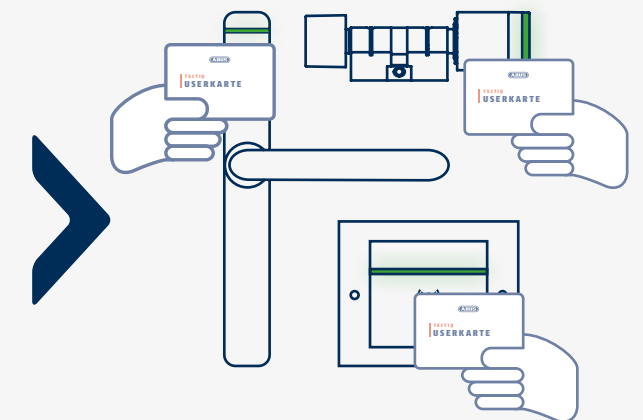
- Access events (logs)
- Battery/system warnings



TECTIQ
LOCKING MEDIA

Locking media store data (Data-on-Card)

- User and key permissions including schedules and blocking days
- Validity data
- Access events and battery warnings for used doors



TECTIQ
DOOR COMPONENTS

Door components check locking media

- authorised persons are granted access

Door components transmit to locking media

- Access events (logs)
- Battery/system warnings

ORDERING PROCESS

TECTIQ

SYSTEM NUMBER

Every locking system is unique. In order to be able to clearly identify a locking system after initial delivery, e.g. in the event of servicing, we label the components with a system number. Please note the following procedure in the ordering process.

PLEASE NOTE

1.

New installation

When ordering a new locking system, always provide us with a reference and – if available – the quotation number. When a new TECTIQ project is commissioned, we generate a new system number and program it onto the ordered door components during production. The system number is displayed in the dashboard of the software. You benefit from attractive project discounts for initial installation.

2.

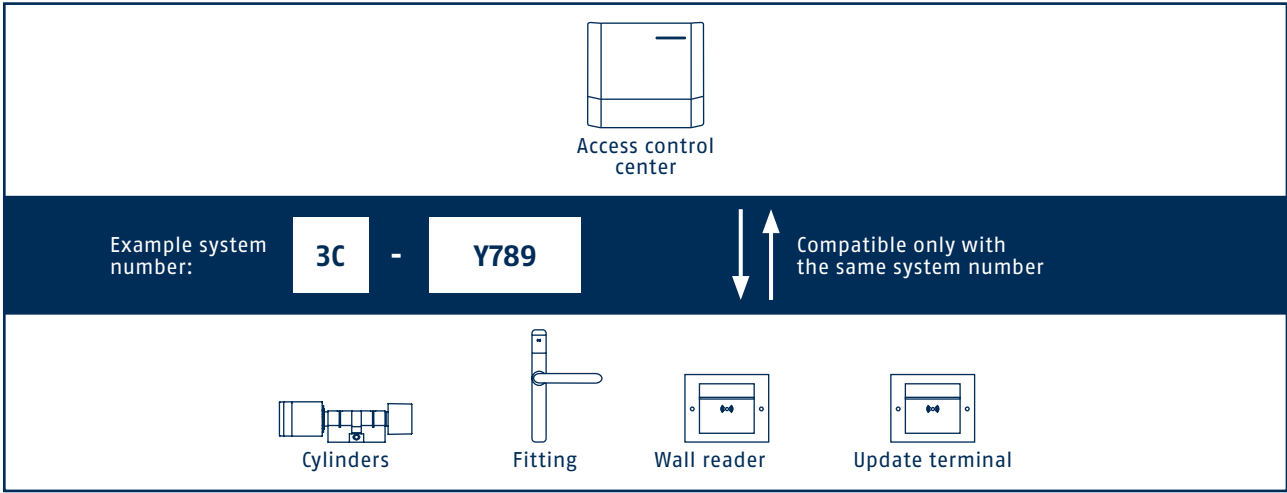
Warehouse/service components

You want serviceware for extensions or your warehouse. You do not need to provide us with a system number. This is automatically saved on the components during personalisation.

3.

Repeat orders with special agreements

If there is a special agreement for a construction project, please also provide us with the system number and, if available, the order number when placing a repeat order. You will then receive your components on a project-specific basis with the corresponding system number.



LABELLING - LABELLING COMPONENTS

Hundreds of door components are used to install systems on larger properties, with specific dimensions and equipment. It's not so easy to keep track of everything. No problem with ABUS TECTIQ: Specify the desired door designation when placing your order. The goods are then labelled with a packaging label on which you can read the designation, e.g. "Main entrance". This allows you to identify each component quickly and easily, saving you time during programming and installation.

HOW IT WORKS

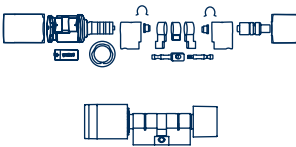
1.

Order 1924.025.2	
Main entrance	50/50
Delivery entrance	30/30
Office	30/30
Workshop	50/30

Order form

Specify the door for which the component is intended directly when ordering, e.g. "Main entrance".

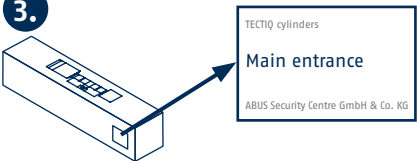
2.



Production

The door designation is entered in the production order and assigned to the component.

3.



Packaging labels

During production, the packaging is labelled with the door designation "Main entrance".

4.



Delivery

The component is clearly assigned to the desired door on delivery.

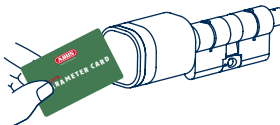
5.



Creating the door in the software

Simply read the designation on the label to create and program the component correctly.

6.



Installing components on the door

Select and install the component for the respective door, e.g. main entrance, using the packaging label.

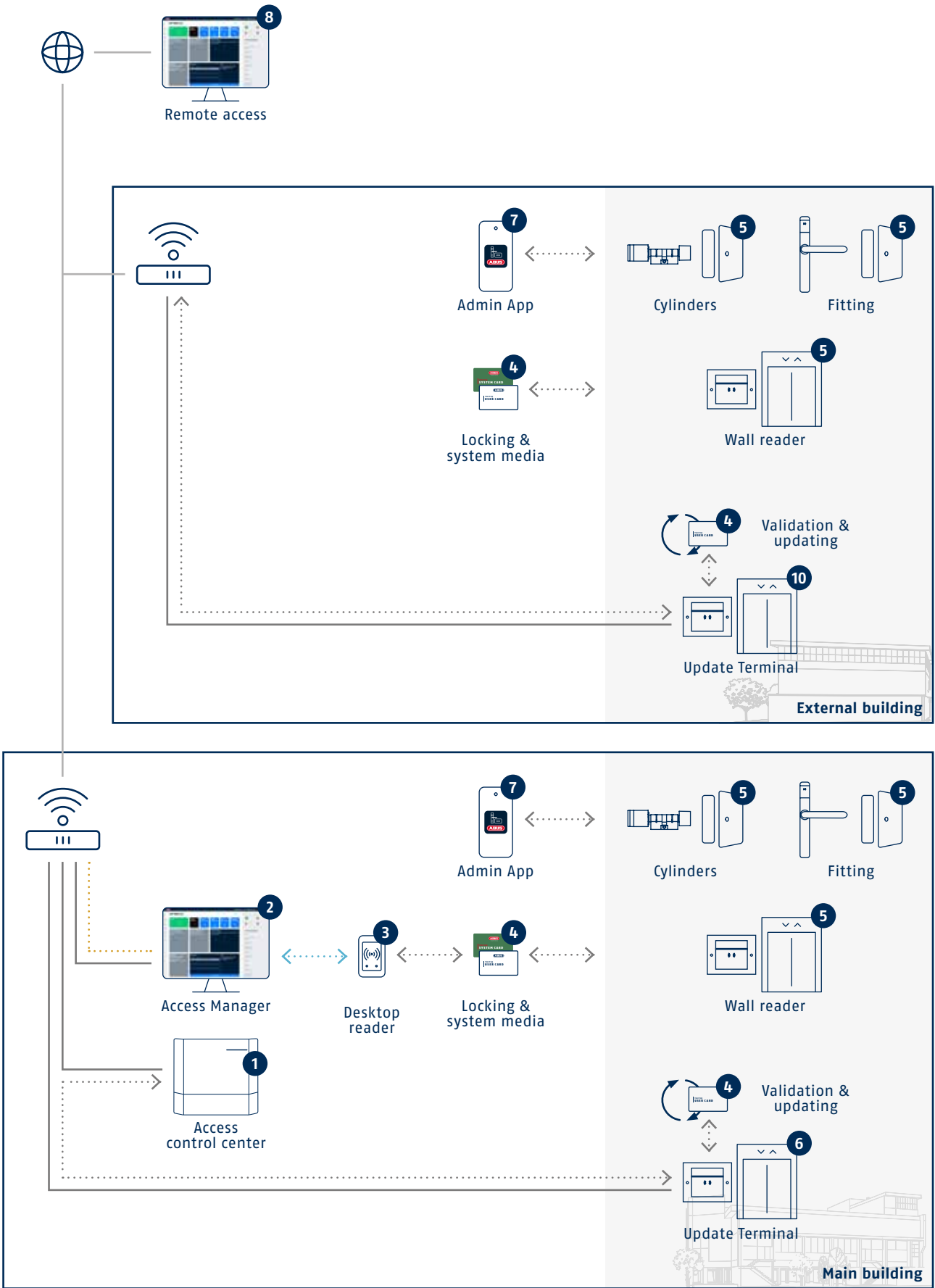
SCALABLE DEPENDING ON BUILDING & LOCATION

You retain control and customise TECTIQ according to your needs. In simple operation (only) with desktop readers, data is exchanged from and to the software via the desktop reader (3), which is connected to the software via a PC. The update terminals (6), which as door components also exchange data with the software in real time, offer greater convenience and security. This means that the system is always up to date. External locations are integrated into the main system using online-capable update terminals (10) and remote access (8).

- 1 Access control center with local database
- 2 Access in the local network via Access Manager
- 3 Desktop reader with USB connection
- 4 Locking and system media
- 5 Door components
- 6 Update terminal
- 7 Admin app (iOS/Android)
- 8 Online remote access via Access Manager (P2P service)
- 9 Centralised access management for multiple locations
- 10 Update terminal with online connectivity (P2P service) to the main system 1

Key:

- LAN
- Internet
- - - Wi-Fi
- ↔ USB
- ↔ Data transfer




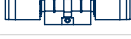










CONFIGURATION

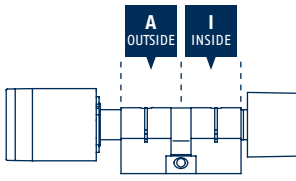
TECTIQ CYLINDER

TEC - Z - LA - A30I30 - STD - ES - SQ

1 2 3 4 5

1 VARIANTS		
LA	Reader outside, with inside knob ³	
LA-OI	Reader outside, without Inside knob ³	
LA-P	Reader outside, panic, with inside knob	
LB	Reader both sides ³	
HZ	Halfcylinder	
LA-T90	Reader outside, with inside knob, T90 ³	
LA-P-T90	Reader outside, panic, with inside knob, T90	
CH-LA	Swiss round profile (CH), reader outside, with inside knob	
CH-LB	Swiss round profile (CH), reader both sides	
CH-HZ	Swiss round profile (CH), halfcylinder	
SKO-OS	Scandinavia oval, outside	
SKO-IS	Scandinavia oval, inside	

2 LENGTH		
TEC-Z- LA, LA-OI, LA-P, LB	A 30mm - 90mm	I 30mm - 90mm
TEC-Z-HZ	A 30mm - 60mm	I 10mm
TEC-Z- LA-T90, LA-P-T90	A 30mm - 90mm	I 35mm - 90mm
TEC-Z- CH-LA, CH-LB	A 32.5mm - 52.5mm	I 32.5mm - 52.5mm
TEC-Z- CH-HZ	A 32.5mm - 52.5mm	I 11mm

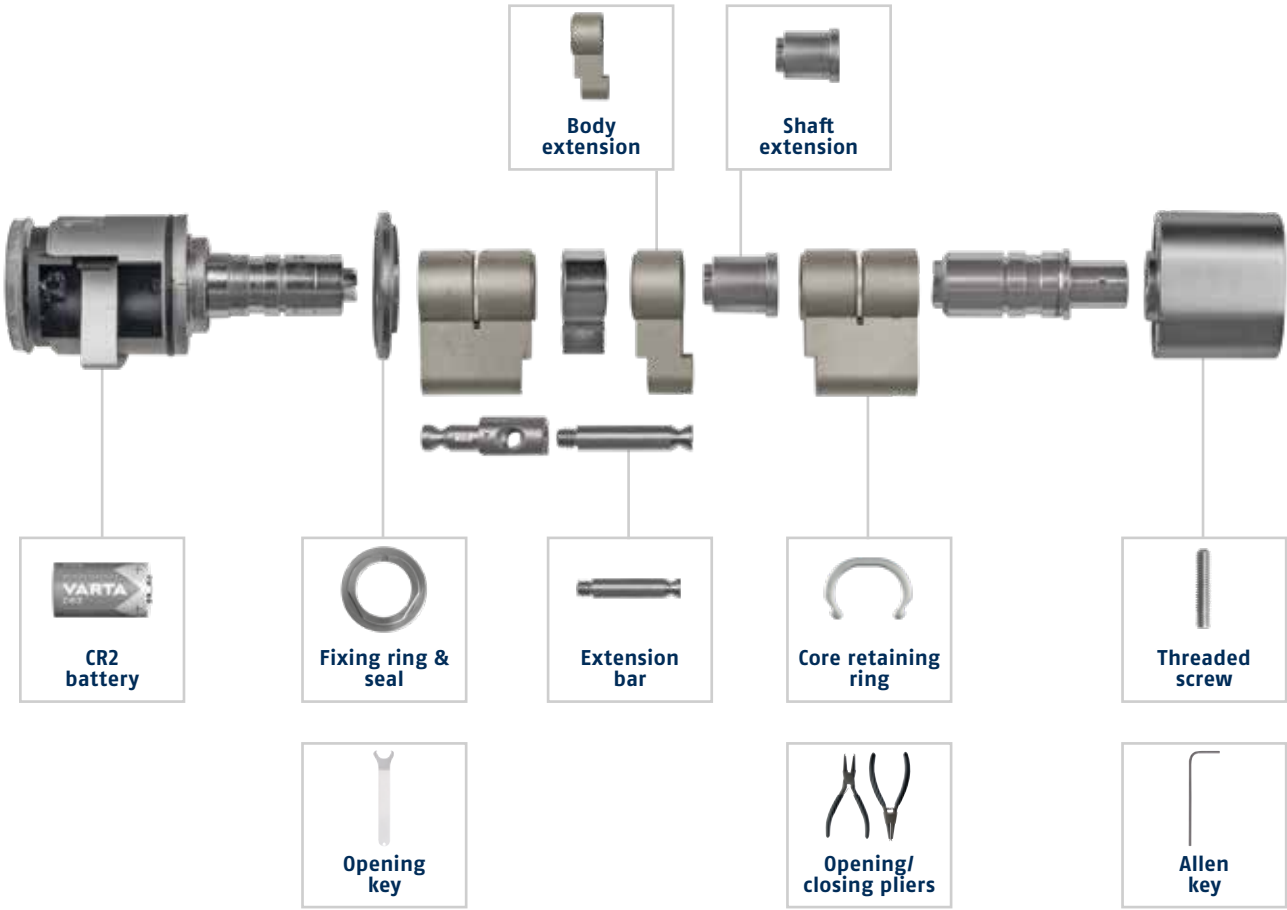


3 DRILLING PROTECTION/OPZ ¹	
STD	Standard (included in basic cylinder)
SEC	Security ²
Y10	Security OPZ 10 ²

4 OUTSIDE KNOB	
ES	Stainless steel black square
EG	Stainless steel grey square
RS	Stainless steel black round

5 INSIDE KNOB	
SQ	Stainless steel square
ES	Stainless steel narrow

CYLINDER STRUCTURE



¹OPZ: Special version of the axle for use in fittings with cylinder protection

²SKG***

³FZG authorised

CYLINDERS EURO PROFILE & PADLOCK



Item number	TEC-Z-LA	TEC-Z-LA-OI	TEC-Z-LA-T90
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Description	TECTIQ double knob cylinder, reader outside	TECTIQ double knob cylinder, reader outside without inner knob	TECTIQ double knob cylinder, reader outside T90
	<ul style="list-style-type: none">• Electronic TECTIQ double knob cylinder for secure, simple and flexible installation on almost all doors (solid leaf, profile frame, timber, aluminium, steel, plastic)• High-quality cylinder (RFID reader outside) with stainless steel outside knob and continuous stainless steel look, in a discreet, puristic design line; highly weather-resistant in the standard version (IP67)	<ul style="list-style-type: none">• Electronic TECTIQ double knob cylinder without inside knob for secure, simple and flexible installation on a wide range of doors with the requirement to prevent locking from the inside.• High-quality cylinder (RFID reader outside) with stainless steel outside knob and continuous stainless steel look, in a discreet, puristic design line; highly weather-resistant in the standard version (IP67);	<ul style="list-style-type: none">• Electronic TECTIQ double knob cylinder for secure yet simple and flexible installation on T90 fire doors• High-quality T90 double knob cylinder (reader outside) with stainless steel outside knob and continuous stainless steel look, in a discreet, purist design line; highly weather-resistant in the standard version (IP67)
Item abbreviation	TEC-Z-LA	TEC-Z-LA-OI	TEC-Z-LA-T90
Product range	TECTIQ	TECTIQ	TECTIQ
Dimensions	External knob: L = 48 mm, Ø = 38 mm, internal knob: L = 27 mm, Ø = 33 mm	knob: L = 48 mm, Ø = 38 mm	External knob: L = 48 mm, Ø = 38 mm, internal knob: L = 27 mm, Ø = 33 mm
Cylinder profiles	Euro profile	Euro profile	Euro profile
Drill protection	Standard Security (SKG***/EN 15684 clause 8 class D)	Standard Security (SKG***/EN 15684 clause 8 class D)	Standard Security (SKG***/EN 15684 clause 8 class D)
Modularity	Yes	Yes	Yes
Extension steps	5 mm (modular)	5 mm (modular)	5 mm (modular)
Colour	Outer knob: brushed stainless steel black or grey Inner knob: brushed stainless steel Cylinder body: brushed stainless steel	Outer knob: brushed stainless steel black or grey Inner knob: brushed stainless steel Cylinder body: brushed stainless steel	Outer knob: brushed stainless steel black or grey Inner knob: brushed stainless steel Cylinder body: brushed stainless steel
IP protection class	67	67	67
Battery - type	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206
Battery compartment	In outer knob	In outer knob	In outer knob
Battery - runtime	At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated	At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated	At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated
Battery warning stages	2 levels	2 levels	2 levels
Signalling	Visual	Visual	Visual
Security features	Freely rotating outside knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection	Freely rotating knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on knob, drilling protection	Freely rotating outside knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection
Transponder encryption	AES 128-Bit	AES 128-Bit	AES 128-Bit
RFID technology	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
Programming technology	RFID (13.56 MHz) Bluetooth (2.4 GHz)	RFID (13.56 MHz) Bluetooth (2.4 GHz)	RFID (13.56 MHz) Bluetooth (2.4 GHz)
Wireless standard	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz
Certifications	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)
Scope of delivery	1 x TECTIQ double knob cylinder, reader outside • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ double knob cylinder, reader outside without inner knob • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ double knob cylinder, reader outside T90 • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw
Required accessories	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)
Recommended accessories	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro)	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro)	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro)



Item number	TEC-Z-LA-P	TEC-Z-LA-P-T90
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Description	TECTIQ double knob cylinder, reader outside panic	TECTIQ double knob cylinder, reader outside panic T90
	<ul style="list-style-type: none">• Electronic TECTIQ panic double knob cylinder for secure, simple and flexible installation on almost all doors (solid leaf, profile frame, timber, aluminium, steel, plastic)• High-quality double knob cylinder with panic function (RFID reader outside), stainless steel outside knob and continuous stainless steel look in a discreet, puristic design line, highly weather-resistant in the standard version (IP67)• TECTIQ cylinder with RFID reader for secure, readout-protected Data exchange with TECTIQ locking media (MIFARE® DESFire®); with free-running exterior knob: no access without authentication• The cylinder can be programmed via Bluetooth with the TECTIQ Admin app and, for example, receive a new time or the latest firmware update• Elegant design in different Design variants to match the style of your building thanks to different colours and knobs	<ul style="list-style-type: none">• Electronic TECTIQ double knob cylinder for secure yet simple and flexible installation on T90 fire doors that require a defined reset of the lock cam in accordance with EN 179/1125.• High-quality T90 panic cylinder (reader outside) with stainless steel outside knob and continuous stainless steel look, in a discreet, purist design line; highly weather-resistant in the standard version (IP67)• TECTIQ cylinder with RFID reader for secure, readout-protected Data exchange with TECTIQ locking media (MIFARE® DESFire®); with free-running exterior knob: no access without authentication• The cylinder can be programmed via Bluetooth with the TECTIQ Admin app and, for example, receive a new time or the latest firmware update• Elegant design in different Design variants to match the style of your building thanks to different colours and knobs
Item abbreviation	TEC-Z-LA-P	TEC-Z-LA-P-T90
Product range	TECTIQ	TECTIQ
Dimensions	External knob: L = 48 mm, Ø = 38 mm, internal knob: L = 27 mm, Ø = 33 mm	External knob: L = 48 mm, Ø = 38 mm, internal knob: L = 27 mm, Ø = 33 mm
Cylinder profiles	Euro profile	Euro profile
Drill protection	Standard Security (SKG***/EN 15684 clause 8 class D)	Standard Security (SKG***/EN 15684 clause 8 class D)
Modularity	Yes	Yes
Extension steps	5 mm (modular)	5 mm (modular)
Colour	Outer knob: brushed stainless steel black or grey Inner knob: brushed stainless steel Cylinder body: brushed stainless steel	Outer knob: brushed stainless steel black or grey Inner knob: brushed stainless steel Cylinder body: brushed stainless steel
IP protection class	67	67
Battery - type	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206
Battery compartment	In outer knob	In outer knob
Battery - runtime	At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated	At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated
Battery warning stages	2 levels	2 levels
Signalling	Visual	Visual
Security features	Freely rotating outside knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection	Freely rotating outside knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection
Transponder encryption	AES 128-Bit	AES 128-Bit
RFID technology	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
Programming technology	RFID (13.56 MHz) Bluetooth (2.4 GHz)	RFID (13.56 MHz) Bluetooth (2.4 GHz)
Wireless standard	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz
Certifications	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)
Scope of delivery	1 x TECTIQ double knob cylinder, reader outside panic • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ double knob cylinder, reader outside panic T90 • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw
Required accessories	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)
Recommended accessories	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro)	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro)

			
Item number	TEC-Z-LB	TEC-Z-HZ	TTVH10000

Description	TECTIQ double knob cylinder, reader both sides	TECTIQ half cylinder	TECTIQ padlock 86TI/55 – black
	<ul style="list-style-type: none">• Electronic TECTIQ double knob cylinder for secure, simple and flexible installation on almost all connecting doors (solid leaf, profile frame, timber, aluminium, steel, plastic)• High-quality cylinder (RFID reader on both sides) with stainless steel outside knobs and continuous stainless steel look, in a discreet, purist design line; highly weather-resistant in the standard version (IP67)	<ul style="list-style-type: none">• Electronic TECTIQ Half cylinder for secure yet simple and flexible installation on doors (e.g. single-sided profile cylinder perforation), key switches or garage doors• High-quality finish half cylinder with stainless steel outside knob and continuous stainless steel look, in a discreet purist design line; highly weather-resistant in the standard version (IP67)	<ul style="list-style-type: none">• Electronic TECTIQ padlock for use with ABUS TECTIQ, the electronic data-on-card locking system• For securing chains, doors and gates, server and switch cabinets, medicine and filing cabinets, lockers, parcel, mesh and t ransport boxes, containers, sheds, etc.

Item abbreviation	TEC-Z-LB	TEC-Z-HZ	TEC-VH-86TI-55
Product range	TECTIQ	TECTIQ	TECTIQ
Dimensions	knob: L = 48 mm, Ø = 38 mm	knob: L = 48 mm, Ø = 38 mm	knob: L = 48 mm, Ø = 38 mm
Cylinder profiles	Euro profile	Euro profile	Euro profile
Drill protection	Standard Security (SKG***/EN 15684 clause 8 class D)	Standard Security (SKG***/EN 15684 clause 8 class D)	Standard
Modularity	Yes	Yes	-
Extension steps	5 mm (modular)	5 mm (modular)	-
Colour	knob: brushed stainless steel black or grey Cylinder body: brushed stainless steel	knob: brushed stainless steel black or grey Cylinder body: brushed stainless steel	knob: brushed stainless steel black Cylinder body: brushed stainless steel padlock titanium
IP protection class	67	67	67
Battery - type	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206
Battery compartment	In knob	In knob	In knob
Battery - runtime	At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated	At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated	At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated
Battery warning stages	2 levels	2 levels	2 levels
Signalling	Visual	Visual	Visual
Security features	Freely rotating outside knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection	Freely rotating knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on knob, drilling protection	Freely rotating knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on knob, drilling protection
Transponder encryption	AES 128-Bit	AES 128-Bit	AES 128-Bit
RFID technology	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
Programming technology	RFID (13.56 MHz) Bluetooth (2.4 GHz)	RFID (13.56 MHz) Bluetooth (2.4 GHz)	RFID (13.56 MHz) Bluetooth (2.4 GHz)
Wireless standard	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz
Certifications	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)	-
Scope of delivery	1 x TECTIQ double knob cylinder, reader both sides • 2 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ half cylinder • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ padlock 86TI/55 – black • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide
Required accessories	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)
Recommended accessories	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro)	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro)	-

CYLINDERS ROUND PROFILE SWISS

			
Item number	TEC-Z-CH-LA	TEC-Z-CH-LB	TEC-Z-CH-HZ

Description	TECTIQ double knob cylinder, reader outside CH	TECTIQ double knob cylinder, reader both sides CH	TECTIQ half cylinder CH
	<ul style="list-style-type: none">• Electronic TECTIQ double knob cylinder (Switzerland round) for secure, simple and flexible installation on almost all doors (solid leaf, profile frame, timber, aluminium, steel, plastic)• High-quality cylinder (RFID reader outside) with stainless steel outside knob and continuous stainless steel look, in a discreet, purist design line; highly weather-resistant in the standard version (IP67)	<ul style="list-style-type: none">• Electronic TECTIQ double knob cylinder (Switzerland round) for secure, simple and flexible installation on almost all connecting doors (solid leaf, profile frame, timber, aluminium, steel, plastic)• High-quality cylinder (RFID reader on both sides) with stainless steel outside knob and continuous stainless steel look, in a discreet, purist design line; highly weather-resistant in the standard version (IP67)	<ul style="list-style-type: none">• Electronic TECTIQ Half cylinder (Switzerland round) for secure yet simple and flexible installation on doors (e.g. single-sided profile cylinder perforation), key switches or garage doors• High-quality finish Half cylinder with stainless steel outside knob and continuous stainless steel look, in a discreet, purist design line; highly weather-resistant in the standard version (IP67)

Item abbreviation	TEC-Z-CH-LA	TEC-Z-CH-LB	TEC-Z-CH-HZ
Product range	TECTIQ	TECTIQ	TECTIQ
Dimensions	External knob: L = 48 mm, Ø = 38 mm, internal knob: L = 27 mm, Ø = 33 mm	knob: L = 48 mm, Ø = 38 mm	knob: L = 48 mm, Ø = 38 mm
Cylinder profiles	Swiss round	Swiss round	Swiss round
Drill protection	Security (EN 15684 Ziffer 8 Klasse D)	Security (EN 15684 Ziffer 8 Klasse D)	Security (EN 15684 Ziffer 8 Klasse D)
Modularity	-	-	-
Extension steps	5 mm	5 mm	5 mm
Colour	Outer knob: brushed stainless steel black or grey Inner knob: brushed stainless steel Cylinder body: brushed stainless steel	knob: brushed stainless steel black or grey Cylinder body: brushed stainless steel	knob: brushed stainless steel black or grey Cylinder body: brushed stainless steel
IP protection class	67	67	67
Battery - type	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206
Battery compartment	In outer knob	In knob	In knob
Battery - runtime	At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated	At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated	At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated
Battery warning stages	2 levels	2 levels	2 levels
Signalling	Visual	Visual	Visual
Security features	Freely rotating outside knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection	Freely rotating outside knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection	Freely rotating outside knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection
Transponder encryption	AES 128-Bit	AES 128-Bit	AES 128-Bit
RFID technology	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
Programming technology	RFID (13.56 MHz) Bluetooth (2.4 GHz)	RFID (13.56 MHz) Bluetooth (2.4 GHz)	RFID (13.56 MHz) Bluetooth (2.4 GHz)
Wireless standard	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz
Certifications	EN 15684:2020 1-6-B-4-x-D-4-A/D	EN 15684:2020 1-6-B-4-x-D-4-A/D	EN 15684:2020 1-6-B-4-x-D-4-A/D
Scope of delivery	1 x TECTIQ double knob cylinder, reader outside CH • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ double knob cylinder, reader both sides CH • 2 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ half cylinder CH • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw
Required accessories	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)
Recommended accessories	-	-	-

CYLINDERS SCANDINAVAN OVAL

Item number	TTZSKO-OS	TTZSKO-IS

Description	TECTIQ knob cylinder Scandinavian Oval (outside)	TECTIQ knob cylinder Scandinavian Oval Rokoko (inside)
	<ul style="list-style-type: none">• Electronic TECTIQ knob cylinder reader outside (Scandinavian oval) for secure yet simple flexible installation on almost all doors (solid leaf, profile frame, timber, aluminium, steel, plastic)• High-quality cylinder with stainless steel knob and continuous stainless steel look, in a discreet, purist design line; highly weather-resistant in the standard version (IP67)• TECTIQ cylinder with RFID reader for secure, readout-protected Data exchange with TECTIQ locking media (MIFARE® DESFire®); with free-running exterior knob: no access without authentication• The cylinder can be programmed via Bluetooth with the TECTIQ Admin app and, for example, receive a new time or the latest firmware update• Elegant design in different Design variants to match the style of your building thanks to different colours and knobs• Replace the cylinder instead of the fitting: convert a mechanical to an electronic cylinder at a favourable price and integrate the door into the TECTIQ locking system• Tested, certified quality: EN 15684, SKG*** (security drill protection) and fire protection T30	<ul style="list-style-type: none">• Electronic TECTIQ knob cylinder Rokoko (Scandinavian oval) for secure yet simple and flexible installation on the inside of connecting doors (double-sided authentication in combination with OS variant)• High-quality cylinder with stainless steel knob and continuous stainless steel look, in a discreet, purist design line; highly weather-resistant in the standard version (IP67)• TECTIQ cylinder with RFID reader for secure, readout-protected data exchange with TECTIQ locking media (MIFARE® DESFire®); with free-running knob: no access without authentication• The cylinder can be programmed via Bluetooth with the TECTIQ Admin app and, for example, receive a new time or the latest firmware update• Elegant design in different Design variants to match the style of your building thanks to different colours and knobs• Replace the cylinder instead of the fitting: convert a mechanical to an electronic cylinder at a favourable price and integrate the door into the TECTIQ locking system• Tested, certified quality: EN 15684 and fire protection T30

Item abbreviation	TEC-Z-SKO-OS	TEC-Z-SKO-IS
Product range	TECTIQ	TECTIQ
Dimensions	knob: L = 48 mm, Ø = 38 mm	knob: L = 48 mm, Ø = 38 mm
Cylinder profiles	Scandinavian Oval	Scandinavian Oval
Drill protection	Security (SKG*** / EN 15684 clause 8 class D)	Standard
Modularity	-	-
Extension steps	-	-
Colour	knob: brushed stainless steel black Cylinder body: brushed stainless steel	knob: brushed stainless steel black Cylinder body: brushed stainless steel
IP protection class	67	67
Battery - type	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206
Battery compartment	In knob	In knob
Battery - runtime	At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated	At 20 °C (room temperature): up to 60,000 cycles or 3.5 years if not actuated
Battery warning stages	2 levels	2 levels
Signalling	Visual	Visual
Security features	Freely rotating knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on knob, drilling protection	Freely rotating knob to prevent unauthorized access, engagement only when an authorised locking medium is presented, predetermined breaking point on knob, drilling protection
Transponder encryption	AES 128-Bit	AES 128-Bit
RFID technology	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
Programming technology	RFID (13.56 MHz) Bluetooth (2.4 GHz)	RFID (13.56 MHz) Bluetooth (2.4 GHz)
Wireless standard	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz
Certifications	EN 15684:2020 1-6-B-4-x-D-4-A/D, SKG***	EN 15684:2020 1-6-B-4-x-D-4-A/D
Scope of delivery	1 x TECTIQ double knob cylinder Scandinavian Oval (outside) • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide	1 x TECTIQ double knob cylinder Scandinavian Oval Rokoko (inside) • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide
Required accessories	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)
Recommended accessories	-	-

CYLINDERS ACCESSORIES

General cylinder accessories

Item no.	Description	Discount group	Additional information
ACWZ00001	Tool set for cylinder extension (TECTIQ/WLX Pro)		includes: Opening pliers, locking pliers, opening key, 2x hexagon socket
ACWZ00002	Tool set for battery exchange (TECTIQ/WLX Pro cylinder)		includes: Opening key, hexagon socket
ACAC00075	Varta CR2 3V battery - set of 10 (TECTIQ/WLX Pro cylinder)		Battery management this battery
ACAC00042	Core retaining ring 10pc (TECTIQ/WLX Pro cylinder)		Spare part for length adjustments, Replacement of the electronic knob
ACAC00056	Electronic Screws 8pcs (TECTIQ/WLX Pro cylinder)		As a spare part for mounting from the inside
ACAC00010	Dismantling Kit 30 mm (TECTIQ/WLX Pro cylinder)		Reconstruct cylinder to A30 or I30

Cylinder spare parts

Item no.	Description	Discount group	Additional information
TTZY90001	TECTIQ eletronic knob with motor Standard (spare part)		
TTZY90002	TECTIQ eletronic knob with motor Security (spare part)		
TTZY90003	TECTIQ eletronic knob neck extension 10mm with motor Standard (spare part)		
ACET00008	Outer Cap black (TECTIQ/WLX Pro cylinder)		
ACET00010	Outer Cap grey (TECTIQ/WLX Pro cylinder)		
ACET00020	Outer Cap round/black (TECTIQ/WLX Pro cylinder)		
ACET00011	Inner Knob Cube (TECTIQ/WLX Pro cylinder)		
ACET00012	Inner Knob Narrow (TECTIQ/WLX Pro cylinder)		

Cylinder shaft extension, aluminum (TECTIQ/WLX Pro)

- For use on the inside and outside of the cylinder
- Hardened shaft extension

Item no.	Description	Discount group	Additional information
ACAC00003	Extension aluminum 5mm (TECTIQ/WLX Pro cylinder)		Spare part for locks with high force effect
ACAC00004	Extension aluminum 10mm (TECTIQ/WLX Pro cylinder)		Spare part for locks with high force effect
ACAC00005	Extension aluminum 15mm (TECTIQ/WLX Pro cylinder)		Spare part for locks with high force effect
ACAC00006	Extension aluminum 30mm (TECTIQ/WLX Pro cylinder)		Spare part for locks with high force effect

Legend:



TECTIQ program



























Accessories

all product images are exemplary images

























Cylinder extension sets inside for TECTIQ/WLX Pro

TEC-Z-LA TEC-Z-LA-OI TEC-Z-LA-T90	TEC-Z-LA-P TEC-Z-LA-P-T90 TEC-Z-LB	Scope of delivery: 1-3x body lengthening/s 1-3x shaft extension/s 1x inner extension bar 2x core holder rings
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Item no.	Description	Discount group	Additional information
 ACAC00028	Extension set, internal 5 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00029	Extension set, internal 10 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00030	Extension set, internal 15 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00031	Extension set, internal 20 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00032	Extension set, internal 25 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00033	Extension set, internal 30 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00034	Extension set, internal 35 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00035	Extension set, internal 40 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00036	Extension set, internal 45 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00037	Extension set, internal 50 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00038	Extension set, internal 55 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00039	Extension set, internal 60 mm (TECTIQ/WLX Pro cylinder)		

Cylinder extension sets outside for TECTIQ/WLX Pro

TEC-Z-LA TEC-Z-LA-OI TEC-Z-LA-T90	TEC-Z-LA-P TEC-Z-LA-P-T90 TEC-Z-LB	Scope of delivery: 1-3x body lengthening/s 1-3x shaft extension/s 1x external extension bar 2x core holder rings
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Item no.	Description	Discount group	Additional information
 ACAC00044	Extension set, external 5 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00045	Extension set, external 10 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00046	Extension set, external 15 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00047	Extension set, external 20 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00048	Extension set, external 25 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00049	Extension set, external 30 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00050	Extension set, external 35 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00051	Extension set, external 40 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00052	Extension set, external 45 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00053	Extension set, external 50 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00054	Extension set, external 55 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00055	Extension set, external 60 mm (TECTIQ/WLX Pro cylinder)		

Half cylinder extension set for TECTIQ/WLX Pro

TEC-Z-HZ	Scope of delivery: 1-2x body lengthening/s 1-2x shaft extension/s 1x extension bar half cylinder 1x core holder ring 2x fixing screw
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Item no.	Description	Discount group	Additional information
 ACAC00060	Extension set, half cylinder 5 mm (TECTIQ/WLX Pro)		
 ACAC00061	Extension set, half cylinder 10 mm (TECTIQ/WLX Pro)		
 ACAC00062	Extension set, half cylinder 15 mm (TECTIQ/WLX Pro)		
 ACAC00063	Extension set, half cylinder 20 mm (TECTIQ/WLX Pro)		
 ACAC00064	Extension set, half cylinder 25 mm (TECTIQ/WLX Pro)		
 ACAC00065	Extension set, half cylinder 30 mm (TECTIQ/WLX Pro)		

Legend:

 TECTIQ program

 Accessories

all product images are exemplary images

CONFIGURATION

TECTIQ NARROW FRAME FITTING

TEC - B - LA - <49 - 00 - OPR - ADG - IDG - 8 - 56 - SG - E - E

1 2 3 4 5 6 7 8 9 10 11

1 VARIANTS	
LA	Reader outside
LA-SEC	Reader outside, security
LA-FIX-DK	Reader outside, fixed-DIN-short
LA-FIX-DR	Reader outside, fixed-DIN-round
SK-LA	Scandinavia, reader outside
SK-LA-FIX-W	Scandinavia, reader outside, fixed-wide

2 DOOR THICKNESS		TEC-B-LA-FIX-DR, TEC-B-SK-LA-FIX-W	
TEC-B-LA, TEC-B-LA-SEC, TEC-B-LA-FIX-DK, TEC-B-SK-LA		<41	32 mm - 41 mm
<49	32 mm - 49 mm	<51	42 mm - 51 mm
<64	50 mm - 64 mm	<61	52 mm - 61 mm
<79	65 mm - 79 mm	<71	62 mm - 71 mm
<94	80 mm - 94 mm	<81	72 mm - 81 mm
<109	95 mm - 109 mm	<91	82 mm - 91 mm
<121	110 mm - 121 mm	<101	92 mm - 101 mm
		<111	102 mm - 111 mm
		<120	112 mm - 120 mm

3 APERTURES	
Z0	OUTSIDE closed INSIDE perforated
ZZ	OUTSIDE closed INSIDE closed
OZ	OUTSIDE perforated INSIDE closed
00	OUTSIDE perforated INSIDE perforated

4 CYLINDER SHAPE – DISTANCE MEASUREMENT	
OPR	closed -
P72	PZ72 Euro profile
P88	PZ88 Euro profile
P92	PZ92 Euro profile
R78	Round 78 Swiss round profile
R90	Round 90 Swiss round profile
S105	Oval 105 Scandinavian oval profile

5 OUTSIDE HANDLE VARIANT	
ALR	L-shape
AG	Mitre
AUR	U-shape
ADG	Double mitre
AUG	U-shape offset
AGK	Double mitre offset
AKU	Ball handle

6 INSIDE HANDLE VARIANT	
ILR	L-shape
IG	Mitre
IUR	U-shape
IDG	Double mitre
IUG	U-shape offset
IGK	Double mitre offset
IKU	Ball handle

7 SPINDLE	
8	8 mm
85	8.5 mm
9	9 mm
10	10mm

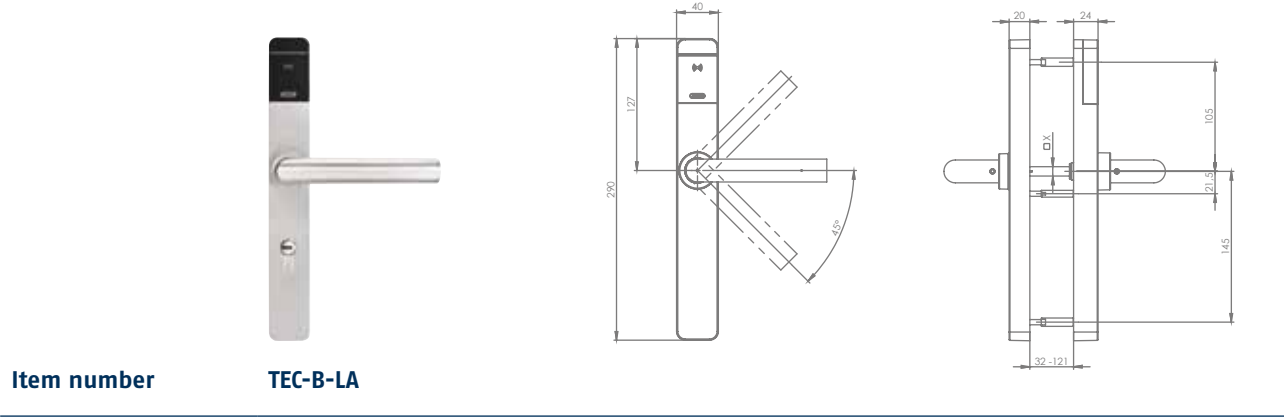
8 IP PROTECTION CLASS	
54	IP protection class 54 (without seal)
55	IP protection class 55 (perforated)

9 COLOUR SELECTION RFID	
SM	Black matt

10 COLOUR SELECTION APERTURE	
E	Stainless steel

11 COLOUR SELECTION HANDLE	
E	Stainless steel

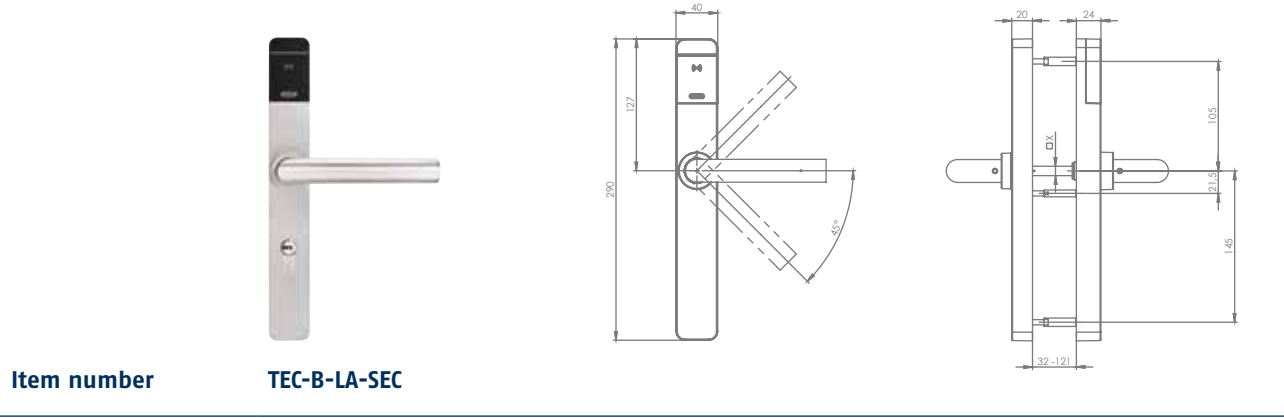
TECTIQ NARROW FRAME FITTING



Item number TEC-B-LA

Description	TECTIQ narrow frame fitting
	<ul style="list-style-type: none">• Electronic TECTIQ narrow frame fitting for simple, flexible installation on all standard doors (timber, aluminium, steel, PVC-U), wirelessly networked with the TECTIQ system, ideal for fitting in new and existing buildings• TECTIQ fitting with RFID reader for contactless presentation of TECTIQ locking media. Secure, readout-protected RFID procedure via MIFARE® DESFire® with Bluetooth interface for TECTIQ Admin App• Compact, high-quality narrow frame fitting (40 mm wide) in stainless steel look. The discreet, purist design line blends timelessly into the style of any building. Lever handles available in various shapes for even more individualisation• High level of convenience and secure, intuitive access using the usual door handle operation; fitting with RFID reader on the outside allows the door to be opened from the inside at any time (without locking medium)• TECTIQ narrow frame fittings for complete building equipment on doors with or without mechanical locking cylinder, suitable for fire and smoke protection doors (T90) as well as escape and rescue routes (EN 179)• High-quality burglary protection with precisely fitting steel base plate for every fitting variant• Intuitive office mode: access by simply pressing the push-button in „permanently open“ mode during office/opening hours according to the schedule; activation and deactivation of office mode with the first entry or exit by an authorised user• Optional accessories: Adapter plate for the visually harmonious replacement of wide escutcheon fittings (54 mm) or round escutcheon sets as well as renovation plates to cover the drill holes or imprint marks of old fittings (e.g. on office doors)• Tested, certified quality: EN 16867 class 4, EN 179, abZ, EN 1634-1, 2• Discreet colouring; fitting body and lever handle: stainless steel; RFID reader unit: black

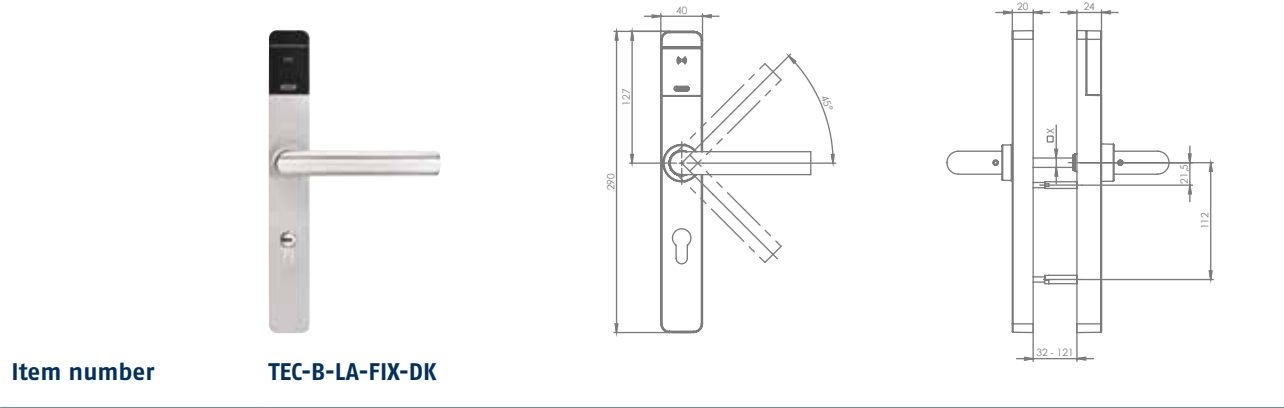
Item abbreviation	TEC-B-LA
Product range	TECTIQ
Dimensions (W × H × D)	289 x 40 mm
Design	Narrow frame fitting
Area of application	Electronically controlled outside handle, inside handle always engaged (no RFID reader on the inside), Suitable for doors with high frequency of use and heavy loads, Service class 4 in accordance with EN 16867
Fixing points	3-point screw connection: 105 (above square), 21.5 , 145 (below square pin)
Distance measure	without profile cylinder perforation, Euro profile: 72 mm, 88 mm, 92 mm; Swiss round cylinder: 78 mm, 90 mm, 94 mm
Selection of handle forms	L-shaped, mitre, U-shaped, double mitre, U-shaped offset, double mitre offset, ball lever handle
Handle travel	Max: 45°, upward movement possible
Colour	Black / Silver
Battery - type	3 x Varta Ultra Lithium L92 Micro AAA
Battery compartment	In the interior fitting
Battery - runtime	At 20 °C (room temperature): up to 85,000 cycles or 3.5 years if not actuated or up to 3 years with approx. 10 accesses per day
Battery warning stages	2 levels (optical/delayed access)
Signalling	Optical
Security features	Freely operable external handle to prevent tampering, engagement only when an authorised locking medium is presented
Transponder encryption	AES 128-bit
RFID technology	MIFARE DESFire EV1, EV2, EV3
Programming technology	BLE 2.4 GHz, RFID 13.56 MHz
Wireless standard	Bluetooth Low Energie 2.4 GHz
Certifications	DIN EN 16867 Class 4 (in preparation), EN 179 (in preparation), IP54 (IP55 optional)
Scope of delivery	1 x Fitting inside • 1 x External fitting • 1 x Drilling template TECTIQ fitting Standard/ Security • 1 x Quick Guide TECTIQ Fittings Standard/ Security • 3 x Connecting screws ISO 7380-1 - M5 x XX - TX • 6 x External base plate screws ISO 14581 -others x 12 - Ø8.8 - galvanised 5 µm - TX • 2 x Standard threaded sleeves • 1 x Square spindle • 1 x Threaded sleeves Security • 1 x Cable mounting aid



Item number TEC-B-LA-SEC

Description	TECTIQ Security narrow frame fitting
	<ul style="list-style-type: none">• Electronic security fitting for simple, flexible installation on all standard doors (solid leaf, profile frame, timber, aluminium, steel, PVC), wirelessly networked with the TECTIQ system, ideal for retrofitting in new and existing buildings• TECTIQ fitting with RFID reader for contactless presentation of TECTIQ locking media. Secure, readout-protected RFID procedure via MIFARE® DESFire® with Bluetooth interface for TECTIQ Admin App• Compact, high-quality security fitting with 40 mm width and impact, drilling and torsion protection for high security on external doors; in a discreet, purist design line and timeless stainless steel look; lever handle available in various shapes• High level of convenience and secure, intuitive access by operating the usual door handle; fitting with RFID reader allows the door to be opened from the inside at any time; fulfils the highest security standards in accordance with SKG***• Suitable for complete building equipment on doors with or without mechanical profile cylinder (with or without redundant operation), on smoke and fire doors, escape and rescue routes, panic doors and security doors• Customisable narrow frame fitting for internal and external doors (IP55) with door thicknesses of 32-121 mm, for installation with cylinder or without; flexible installation on any door (square spindle with 8/8.5/9/10 mm)• Intuitive office mode: access by simply pressing the push-button in „permanently open“ mode during office/opening hours according to the schedule; activation and deactivation of office mode with the first entry or exit by an authorised user• Optional accessories: Renovation plates to cover the drill holes or imprint marks from old fittings (e.g. on office doors)• Tested, certified quality: EN 16867 Class 4 (MDF), EN 179 (B-E), abZ, SKG***• Discreet colouring; fitting body and lever handle: stainless steel; RFID reader unit: black

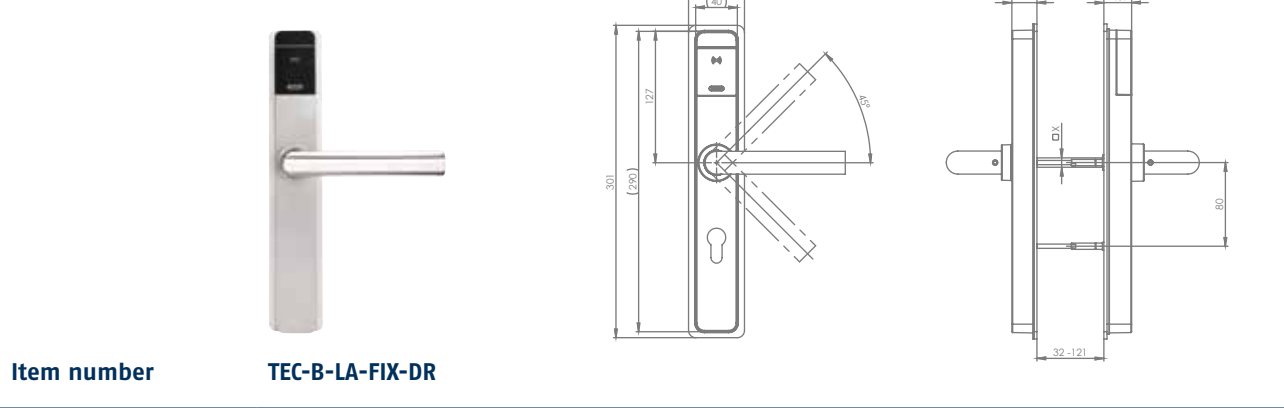
Item abbreviation	TEC-B-LA-SEC
Product range	TECTIQ
Dimensions (W × H × D)	289 x 40 mm
Design	Narrow frame fitting
Area of application	Electronically controlled outside handle, inside handle always engaged (no RFID reader on the inside), Suitable for doors with high frequency of use and heavy loads, Service class 4 in accordance with EN 16867
Fixing points	3-point screw connection: 105 (above square), 21.5 , 145 (below square pin)
Distance measure	without profile cylinder perforation, Euro profile: 92 mm
Selection of handle forms	L-shaped, mitre, U-shaped, double mitre, U-shaped offset, double mitre offset, ball lever handle
Handle travel	Max: 45°, upward movement possible
Colour	Black / Silver
Battery - type	3 x Varta Ultra Lithium L92 Micro AAA
Battery compartment	In the interior fitting
Battery - runtime	At 20 °C (room temperature): up to 85,000 cycles or 3.5 years if not actuated or up to 3 years with approx. 10 accesses per day
Battery warning stages	2 levels (optical/delayed access)
Signalling	Optical
Security features	Freely operable external handle to prevent tampering, engagement only when an authorised locking medium is presented
Transponder encryption	AES 128-bit
RFID technology	MIFARE DESFire EV1, EV2, EV3
Programming technology	BLE 2.4 GHz, RFID 13.56 MHz
Wireless standard	Bluetooth Low Energie 2.4 GHz
Certifications	SKG*** (in preparation), DIN EN 16867 Class 4 (in preparation), EN 179 (in preparation), IP54 (IP55 optional)
Scope of delivery	1 x Fitting inside • 1 x Outside fitting • 1 x Drilling template TECTIQ fitting Standard/ Security • 1 x Quick Guide TECTIQ Fittings Standard/ Security • 3 x Connecting screws ISO 7380-1 - M5 x XX - TX • 6 x External base plate screws ISO 14581 -others x 12 - Ø8.8 - galvanised 5 µm - TX • 2 x Standard threaded sleeves • 1 x Square spindle • 1 x Threaded sleeves Security • 1 x Cable mounting aid



Item number TEC-B-LA-FIX-DK

Description	TECTIQ narrow frame fitting FIX-DIN-short
	<ul style="list-style-type: none">• Electronic TECTIQ narrow frame fitting for simple, flexible installation on all standard doors, wirelessly networked with the TECTIQ system, ideal for fitting in new and existing buildings; version with holes for DIN short plate fittings• TECTIQ fitting with RFID reader for contactless presentation of TECTIQ locking media. Secure, readout-protected RFID procedure via MIFARE® DESFire® with Bluetooth interface for TECTIQ Admin App• Compact, high-quality narrow frame fitting (40 mm wide) in stainless steel look. The discreet, purist design line blends timelessly into the style of any building. Lever handles available in various shapes for even more individualisation• High level of convenience and secure, intuitive access using the usual door handle operation; fitting with RFID reader on the outside allows the door to be opened from the inside at any time (without locking medium)• TECTIQ narrow frame fittings for complete building equipment on doors with or without mechanical locking cylinder, with matching holes for DIN short plate, ideal for fire and smoke protection doors (T90) as well as escape and rescue routes (EN 179)• High-quality burglary protection with a precisely fitting steel base plate for every fitting variant.• Intuitive office mode: access by simply pressing the push-button in „permanently open“ mode during office/opening hours according to the schedule; activation and deactivation of office mode with the first entry or exit by an authorised user• Tested, certified quality: EN 16867 Class 4, EN 179, abZ, SKG*** (security fitting), EN 1634-1, 2, T30/60/90 for timber, aluminium profile and steel doors• Optional accessories: Renovation plates to cover the drill holes/imprint marks of old fittings• Discreet colouring; fitting body and lever handle: stainless steel; RFID reader unit: black

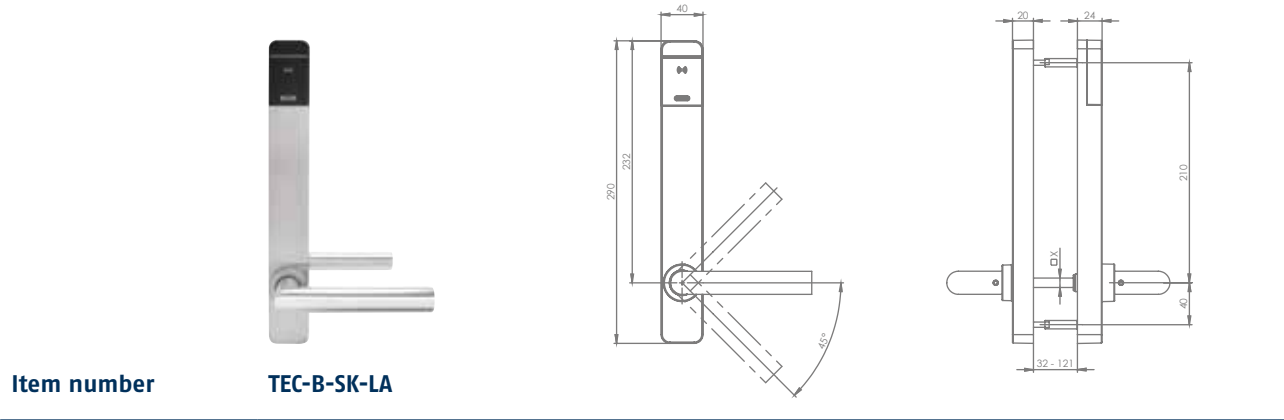
Item abbreviation	TEC-B-LA-FIX-DK
Product range	TECTIQ
Dimensions (W × H × D)	289 x 40 mm
Design	Narrow frame fitting
Area of application	Electronically controlled outside handle, inside handle always engaged (no RFID reader on the inside), Suitable for doors with high frequency of use and heavy loads, Service class 4 in accordance with EN 16867
Fixing points	DIN short shield screw connection
Distance measure	without profile cylinder perforation, Euro profile: 72 mm
Selection of handle forms	L-shaped, mitre, U-shaped, double mitre, U-shaped offset, double mitre offset, ball lever handle
Handle travel	Max: 45°, upward movement possible
Colour	Black / Silver
Battery - type	3 x Varta Ultra Lithium L92 Micro AAA
Battery compartment	In the interior fitting
Battery - runtime	At 20 °C (room temperature): up to 85,000 cycles or 3.5 years if not actuated or up to 3 years with approx. 10 accesses per day
Battery warning stages	2 levels (optical/delayed access)
Signalling	Optical
Security features	Freely operable external handle to prevent tampering, engagement only when an authorised locking medium is presented
Transponder encryption	AES 128-bit
RFID technology	MIFARE DESFire EV1, EV2, EV3
Programming technology	BLE 2.4 GHz, RFID 13.56 MHz
Wireless standard	Bluetooth Low Energie 2.4 GHz
Certifications	DIN EN 16867 Class 4 (in preparation), EN 179 (in preparation), IP54 (IP55 optional)
Scope of delivery	1 x Fitting inside • 1 x Outside fitting • 1 x Drilling template TECTIQ fitting Standard/ Security • 1 x Quick Guide TECTIQ fitting DIN short • 3 x Connecting screws ISO 7380-1 - M5 x XX - TX • 6 x External base plate screws ISO 14581 -others x 12 - Ø8.8 - galvanised 5 µm - TX • 2 x Standard threaded sleeves • 1 x Square spindle • 1 x Threaded sleeves Security • 1 x Cable mounting aid



Item number TEC-B-LA-FIX-DR

Description	TECTIQ narrow frame fitting FIX-DIN-round
	<ul style="list-style-type: none">• Electronic TECTIQ fitting with adapter plate for flexible installation on all standard doors (timber, aluminium, steel) with round rose holes, wirelessly networked with the TECTIQ system, ideal for fitting in new and existing buildings• TECTIQ fitting with RFID reader for contactless presentation of TECTIQ locking media. Secure, readout-protected RFID procedure via MIFARE® DESFire® with Bluetooth interface for TECTIQ Admin App• High-quality fitting (54 mm wide) in stainless steel look. The discreet, purist design line blends timelessly into the style of any building. Lever handles available in various shapes for even more individualisation• High level of convenience and secure, intuitive access using the usual door handle operation; fitting with RFID reader on the outside allows the door to be opened from the inside at any time (without locking medium)• TECTIQ fittings for complete building equipment on doors with or without mechanical locking cylinder, suitable for fire and smoke protection doors (T90) as well as escape and rescue routes (EN 179)• High-quality burglary protection with precisely fitting steel base plate for every fitting variant• Intuitive office mode: access by simply pressing the push-button in „permanently open“ mode during office/opening hours according to the schedule; activation and deactivation of office mode with the first entry or exit by an authorised user• Including adapter plate for the visually harmonious replacement of wide escutcheon fittings (54 mm) or round escutcheon sets as well as renovation plates for covering the drill holes or imprint marks of old fittings (e.g. on office doors)• Tested, certified quality: EN 16867 class 4, EN 179, abZ, SKG*** (Security), EN 1634-1, 2• Discreet colouring; fitting body and lever handle: stainless steel; RFID reader unit: black

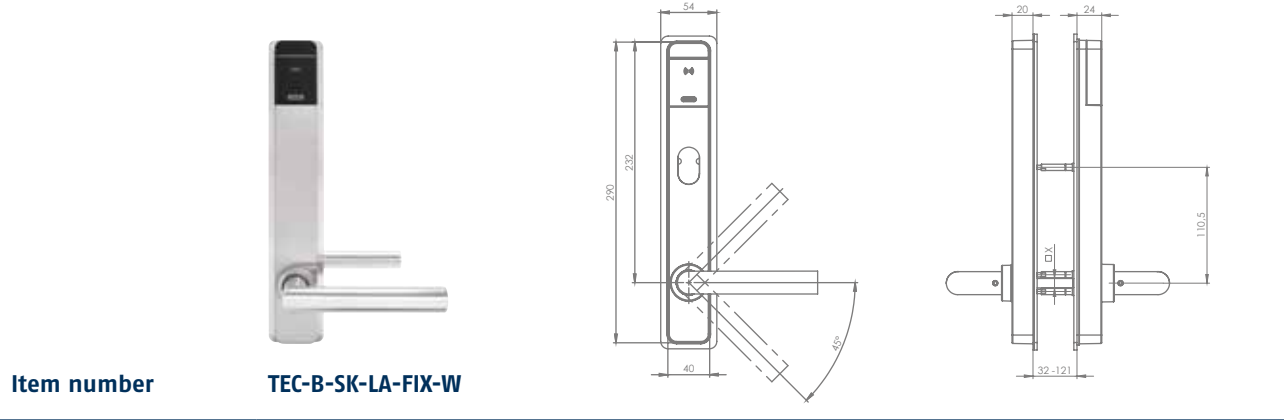
Item abbreviation	TEC-B-LA-FIX-DR
Product range	TECTIQ
Dimensions (W × H × D)	301 x 54 mm
Design	Narrow frame fitting with adapter plate
Area of application	Electronically controlled outside handle, inside handle always engaged (no RFID reader on the inside), Suitable for doors with high frequency of use and heavy loads, Service class 4 in accordance with EN 16867
Fixing points	DIN round rosette screw fitting
Distance measure	without profile cylinder perforation, Euro profile: 72 mm
Selection of handle forms	L-shaped, mitre, U-shaped, double mitre, U-shaped offset, double mitre offset, ball lever handle
Handle travel	Max: 45°, upward movement possible
Colour	Black / Silver
Battery - type	3 x Varta Ultra Lithium L92 Micro AAA
Battery compartment	In the interior fitting
Battery - runtime	At 20 °C (room temperature): up to 85,000 cycles or 3.5 years if not actuated or up to 3 years with approx. 10 accesses per day
Battery warning stages	2 levels (optical/delayed access)
Signalling	Optical
Security features	Freely operable external handle to prevent tampering, engagement only when an authorised locking medium is presented
Transponder encryption	AES 128-bit
RFID technology	MIFARE DESFire EV1, EV2, EV3
Programming technology	BLE 2.4 GHz, RFID 13.56 MHz
Wireless standard	Bluetooth Low Energie 2.4 GHz
Certifications	DIN EN 16867 Class 4 (in preparation), EN 179 (in preparation), IP54 (IP55 optional)
Scope of delivery	1 x Fitting inside, adapter plate inside • 1 x External fitting, external adapter panel, renovation panel • 1 x Drilling template TECTIQ fitting Standard/ Security • 1 x Quick Guide TECTIQ fitting standard/ security, Quick Guide TECTIQ fitting adapter plate • 4 x Connecting screws ISO 7380-1 - M5 x XX - TX; connecting screws adapter plates ISO 10642 - M4 x XX - TX • 6 x External base plate screws ISO 14581 -others x 12 - Ø8.8 - galvanised 5 µm - TX • 4 x Threaded sleeves standard, threaded sleeves adapter plate • 1 x Square spindle • 1 x Threaded sleeves Security • 1 x Cable mounting aid



Item number **TEC-B-SK-LA**

Description	TECTIQ narrow frame fitting Scandinavia
	<ul style="list-style-type: none">• Electronic TECTIQ narrow frame fitting for simple, flexible installation on all standard doors (timber, aluminium, steel, PVC-U), wirelessly networked with the TECTIQ system, ideal for fitting in new and existing buildings• TECTIQ fitting with RFID reader for contactless presentation of TECTIQ locking media. Secure, readout-protected RFID procedure via MIFARE® DESFire® with Bluetooth interface for TECTIQ Admin App• Compact, high-quality narrow frame fitting (40 mm wide) in stainless steel look. The discreet, purist design line blends timelessly into the style of any building. Lever handles available in various shapes for even more individualisation• High level of convenience and secure, intuitive access using the usual door handle operation; fitting with RFID reader on the outside allows the door to be opened from the inside at any time (without locking medium)• TECTIQ narrow frame fittings for complete building equipment on doors with or without mechanical locking cylinder, suitable for fire and smoke protection doors (T90) as well as escape and rescue routes (EN 179)• High-quality burglary protection with precisely fitting steel base plate for every fitting variant• Intuitive office mode: access by simply pressing the push-button in „permanently open“ mode during office/opening hours according to the schedule; activation and deactivation of office mode with the first entry or exit by an authorised user• Optional accessories: Adapter plate for the visually harmonious replacement of wide escutcheon fittings (54 mm) or round escutcheon sets as well as renovation plates to cover the drill holes or imprint marks of old fittings (e.g. on office doors)• Tested, certified quality: EN 16867 class 4, EN 179, abZ, EN 1634-1, 2• Discreet colouring; fitting body and lever handle: stainless steel; RFID reader unit: black

Item abbreviation	TEC-B-SK-LA
Product range	TECTIQ
Dimensions (W × H × D)	289 x 40 mm
Design	Narrow frame fitting
Area of application	Electronically controlled outside handle, inside handle always engaged (no RFID reader on the inside), Suitable for doors with high frequency of use and heavy loads, Service class 4 in accordance with EN 16867
Fixing points	2-point screw connection: 210 (above square), 40 (below square pin)
Distance measure	without profile cylinder perforation, Oval profile: 105 mm
Selection of handle forms	L-shaped, mitre, U-shaped, double mitre, U-shaped offset, double mitre offset, ball lever handle
Handle travel	Max: 45°, upward movement possible
Colour	Black / Silver
Battery - type	3 x Varta Ultra Lithium L92 Micro AAA
Battery compartment	In the interior fitting
Battery - runtime	At 20 °C (room temperature): up to 85,000 cycles or 3.5 years if not actuated or up to 3 years with approx. 10 accesses per day
Battery warning stages	2 levels (optical/delayed access)
Signalling	Optical
Security features	Freely operable external handle to prevent tampering, engagement only when an authorised locking medium is presented
Transponder encryption	AES 128-bit
RFID technology	MIFARE DESFire EV1, EV2, EV3
Programming technology	BLE 2.4 GHz, RFID 13.56 MHz
Wireless standard	Bluetooth Low Energie 2.4 GHz
Certifications	DIN EN 16867 Class 4 (in preparation), EN 179 (in preparation), IP54 (IP55 optional)
Scope of delivery	1 x Fitting inside • 1 x Outside fitting • 1 x Drilling template TECTIQ Nordic fitting • 1 x Quick Guide TECTIQ Nordic fitting • 3 x Connecting screws ISO 7380-1 - M5 x XX - TX • 6 x External base plate screws ISO 14581 -others x 12 - Ø8.8 - galvanised 5 µm - TX • 2 x Standard threaded sleeves • 1 x Square spindle • 1 x Threaded sleeves Security • 1 x Cable mounting aid









Item number **TEC-B-SK-LA-FIX-W**

Description	TECTIQ narrow frame fitting Scandinavia FIX-wide
	<ul style="list-style-type: none">• Electronic TECTIQ fitting with adapter plate for flexible installation on all standard doors (timber, aluminium, steel) with round rosette holes, wirelessly networked with the TECTIQ system, ideal for fitting in new and existing buildings• TECTIQ fitting with RFID reader for contactless presentation of TECTIQ locking media. Secure, readout-protected RFID procedure via MIFARE® DESFire® with Bluetooth interface for TECTIQ Admin App• High-quality fitting (54 mm wide) in stainless steel look. The discreet, purist design line blends timelessly into the style of any building. Lever handles available in various shapes for even more individualisation• High level of convenience and secure, intuitive access using the usual door handle operation; fitting with RFID reader on the outside allows the door to be opened from the inside at any time (without locking medium)• TECTIQ fittings for complete building equipment on doors with or without mechanical locking cylinder, suitable for fire and smoke protection doors (T90) as well as escape and rescue routes (EN 179)• High-quality burglary protection with precisely fitting steel base plate for every fitting variant• Intuitive office mode: access by simply pressing the push-button in „permanently open“ mode during office/opening hours according to the schedule; activation and deactivation of office mode with the first entry or exit by an authorised user• Adapter plate for the visually harmonious replacement of wide escutcheon fittings (54 mm) or round escutcheon sets as well as renovation plates to cover the drill holes or imprint marks of old fittings (e.g. on office doors)• Tested, certified quality: EN 16867 class 4, EN 179, abZ, EN 1634-1, 2• Colour of fitting body and lever handle: stainless steel; RFID reader unit: black





Item abbreviation	TEC-B-SK-LA-FIX-W
Product range	TECTIQ
Dimensions (W × H × D)	301 x 54 mm
Design	Narrow frame fitting with adapter plate
Area of application	Electronically controlled outside handle, inside handle always engaged (no RFID reader on the inside), Suitable for doors with high frequency of use and heavy loads, Service class 4 in accordance with EN 16867
Fixing points	Scandinavian wide shield bolting
Distance measure	without profile cylinder perforation, Oval profile: 105 mm
Selection of handle forms	L-shaped, mitre, U-shaped, double mitre, U-shaped offset, double mitre offset, ball lever handle
Handle travel	Max: 45°, upward movement possible
Colour	Black / Silver
Battery - type	3 x Varta Ultra Lithium L92 Micro AAA
Battery compartment	In the interior fitting
Battery - runtime	At 20 °C (room temperature): up to 85,000 cycles or 3.5 years if not actuated or up to 3 years with approx. 10 accesses per day
Battery warning stages	2 levels (optical/delayed access)
Signalling	Optical
Security features	Freely operable external handle to prevent tampering, engagement only when an authorised locking medium is presented
Transponder encryption	AES 128-bit
RFID technology	MIFARE DESFire EV1, EV2, EV3
Programming technology	BLE 2.4 GHz, RFID 13.56 MHz
Wireless standard	Bluetooth Low Energie 2.4 GHz
Certifications	DIN EN 16867 Class 4 (in preparation), EN 179 (in preparation), IP54 (IP55 optional)
Scope of delivery	1 x Fitting inside, adapter plate inside • 1 x External fitting, external adapter panel, renovation panel • 1 x Drilling template TECTIQ Nordic fitting • 1 x Quick Guide TECTIQ fitting Nordic, Quicguide TECTIQ fitting adapter plate Nordic • 4 x Connecting screws ISO 7380-1 - M5 x XX - TX; connecting screws adapter plates ISO 10642 - M4 x XX - TX • 6 x External base plate screws ISO 14581 -others x 12 - Ø8.8 - galvanised 5 µm - TX • 4 x Threaded sleeves standard, threaded sleeves adapter plate • 1 x Square spindle • 1 x Threaded sleeves Security • 1 x Cable mounting aid

ACCESSORIES TECTIQ NARROW FRAME FITTING


Renovation panels for TECTIQ fittings family

Made of brushed stainless steel to cover existing holes				
Item no.	Description	Discount group	Additional information	
 TTBS80016	TECTIQ fitting renovation panels inside/outside width 54mm (2 pcs.)			
 TTBS80017	TECTIQ fitting renovation panels inside/outside uni width 58mm (2 pcs.)			
 TTBS80018	TECTIQ fitting renovation panels inside/outside uni width 62mm (2 pcs.)			















Adapter plates for TECTIQ fittings family

Attention: A new mounting set is required for subsequent conversion to an adapter plate!				
Item no.	Description	Discount group	Additional information	
 TTBS80004	TECTIQ fitting adapter plate DIN round rose width 54mm		Adapter plate for doors with DIN round rosette screw fitting	
 TTBS80005	TECTIQ fitting adapter plate Nordic width 54mm		International	

General accessories & spare parts for TECTIQ fittings family

Item no.	Description	Discount group	Additional information	
 TTBS80006	TECTIQ fitting batteries (blister pack of 4 Varta Lithium Ultra AAA)		3 x Varta Lithium Ultra AAA per fitting are required for battery replacement	
 TTBS80043	TECTIQ fitting Weather protection seal IP55		Sealing shoe for the external fitting	
 TTBS80112	TECTIQ fitting USB cover		Pack of 5 with USB covers for the TECTIQ fitting family	

Spare part lever handle variants for TECTIQ fittings family

Lever handle including retaining ring				
Item no.	Description	Discount group	Additional information	
 TTBS80007	TECTIQ fitting ball lever handle		1x lever handle including retaining ring	
 TTBS80008	TECTIQ fitting L-shaped lever handle		1x lever handle including retaining ring	
 TTBS80009	TECTIQ fitting mitre lever handle		1x lever handle including retaining ring	
 TTBS80010	TECTIQ fitting U-shape lever handle		1x lever handle including retaining ring	
 TTBS80011	TECTIQ fitting double mitre lever handle		1x lever handle including retaining ring	
 TTBS80012	TECTIQ fitting U-shaped lever handle (offset)		1x lever handle including retaining ring	
 TTBS80013	TECTIQ fitting double mitre lever handle (offset)		1x lever handle including retaining ring	

Legend:





















 TECTIQ program

 Accessories



Inner faceplate (spare part) for TECTIQ fittings family

Item no.	Description	Discount group	Additional information	
 TTBS80059	TECTIQ fitting Cover inside without PZ/round		Closed replacement cover (inside)	
 TTBS80061	TECTIQ fitting Interior cover plate PZ72		Replacement cover (inside) with profile cylinder perforation and spacing 72 mm	
 TTBS80063	TECTIQ fitting, Inside cover plate PZ88		Replacement cover (inside) with profile cylinder perforation and spacing 88 mm	
 TTBS80064	TECTIQ fitting cover inside PZ92		Replacement cover (inside) with profile cylinder perforation and spacing 92 mm	
 TTBS80065	TECTIQ fitting Interior trim round 78		Replacement cover (inside) with round cylinder perforation and 78 mm spacing	
 TTBS80066	TECTIQ fitting Round inside cover 90		Replacement cover (inside) with round cylinder perforation and 90 mm spacing	
 TTBS80068	TECTIQ fitting Interior cover without oval		Closed replacement cover (inside) for TECTIQ Scandinavian fittings	

Outer faceplate (spare part) for TECTIQ fittings family







Item no.	Description	Discount group	Additional information	
 TTBS80070	TECTIQ external fitting cover without PZ/round		Closed replacement cover (outside) for TECTIQ fittings	
 TTBS80072	TECTIQ fitting External cover plate PZ72		Replacement cover (outside) for TECTIQ fittings with profile cylinder perforation and spacing 72 mm	
 TTBS80074	TECTIQ fitting External cover plate PZ88		Replacement cover (outside) for TECTIQ fittings with profile cylinder perforation and spacing 88 mm	
 TTBS80075	TECTIQ fitting External cover plate PZ92		Replacement cover (outside) for TECTIQ fittings with profile cylinder perforation and spacing 92 mm	
 TTBS80076	TECTIQ fitting External cover round 78		Replacement cover (outside) for TECTIQ fittings with round cylinder perforation and spacing 78 mm	
 TTBS80077	TECTIQ fitting External cover round 90		Replacement cover (outside) for TECTIQ fittings with round cylinder perforation and spacing 90 mm	
 TTBS80079	TECTIQ external fitting cover without oval		Closed replacement cover (outside) for TECTIQ Scandinavian fittings	
 TTBS80080	TECTIQ fitting oval outer cover 105		Replacement cover (outside) for TECTIQ Scandinavian fittings with oval cylinder perforation and 105 mm spacing	
 TTBS80081	TECTIQ fitting external cover plate PZ92 for drill protection		Replacement cover (outer side) for TECTIQ Security fittings with profile cylinder perforation and spacing 92 mm	
 TTBS80082	TECTIQ external fitting cover without PZ/round for drill protection		Closed replacement cover (outside) for TECTIQ Security fittings	

Threaded sleeves for TECTIQ fittings family

















































Item no.	Description	Discount group	Additional information	
 TTBS80001	TECTIQ fitting Threaded sleeve set M5 (30mm)		for standard screw connection, variants: TEC-B-LA, TEC-B-LA-SEC, TEC-B-LA-K, TEC-B-N-LA	
 TTBS80003	TECTIQ fitting Threaded sleeve set M4 adapter plate (30mm)		for screw connection on adapter plate, variants: TEC-B-LA-R, TEC-B-N-LA-R	

all product images are exemplary images

Reducing sleeve set for spindle for TECTIQ fittings family

Item no.	Description	Discount group	Additional information
 TTBS80083	TECTIQ fitting reduction sleeve set 9 -> 8mm		Reducing sleeve set for 8 mm spindle; Includes sleeves for printers, coupling sleeve and spring driver
 TTBS80084	TECTIQ fitting reduction sleeve set 9 -> 8.5mm		Reducing sleeve set for 8.5 mm spindle; includes sleeves for printer, coupling sleeve and spring driver
 TTBS80087	TECTIQ fitting reducing sleeve set 10 -> 9mm		Reducing sleeve set for 10 mm spindle; includes sleeves for the lock follower

Spindle (spare part) for the TECTIQ fittings family

Item no.	Description	Discount group	Additional information
 TTBS80019	TECTIQ fitting spindle 8mm door leaf thickness 32-49mm		
 TTBS80020	TECTIQ fitting spindle 8mm door leaf thickness 50-64mm		
 TTBS80021	TECTIQ fitting spindle 8mm door leaf thickness 65-79mm		
 TTBS80022	TECTIQ fitting spindle 8mm door leaf thickness 80-94mm		
 TTBS80023	TECTIQ fitting spindle 8mm door leaf thickness 95-109mm		
 TTBS80024	TECTIQ fitting spindle 8mm door leaf thickness 110-121mm		
 TTBS80025	TECTIQ fitting spindle 8.5mm door leaf thickness 32-49mm		
 TTBS80026	TECTIQ fitting spindle 8.5mm door leaf thickness 50-64mm		
 TTBS80027	TECTIQ fitting spindle 8.5mm door leaf thickness 65-79mm		
 TTBS80028	TECTIQ fitting spindle 8.5mm door leaf thickness 80-94mm		
 TTBS80029	TECTIQ fitting spindle 8.5mm door leaf thickness 95-109mm		
 TTBS80030	TECTIQ fitting spindle 8.5mm door leaf thickness 110-121mm		
 TTBS80031	TECTIQ fitting spindle 9mm door leaf thickness 32-49mm		
 TTBS80032	TECTIQ fitting spindle 9mm door leaf thickness 50-64mm		
 TTBS80033	TECTIQ fitting spindle 9mm door leaf thickness 65-79mm		
 TTBS80034	TECTIQ fitting spindle 9mm door leaf thickness 80-94mm		
 TTBS80035	TECTIQ fitting spindle 9mm door leaf thickness 95-109mm		
 TTBS80036	TECTIQ fitting spindle 9mm door leaf thickness 110-121mm		
 TTBS80037	TECTIQ fitting spindle 10mm door leaf thickness 32-49mm		9 mm spindle with sleeve for the lock follower
 TTBS80038	TECTIQ fitting spindle 10mm door leaf thickness 50-64mm		9 mm spindle with sleeve for the lock follower
 TTBS80039	TECTIQ fitting spindle 10mm door leaf thickness 65-79mm		9 mm spindle with sleeve for the lock follower
 TTBS80040	TECTIQ fitting spindle 10mm door leaf thickness 80-94mm		9 mm spindle with sleeve for the lock follower
 TTBS80041	TECTIQ fitting spindle 10mm door leaf thickness 95-109mm		9 mm spindle with sleeve for the lock follower
 TTBS80042	TECTIQ fitting spindle 10mm door leaf thickness 110-121mm		9 mm spindle with sleeve for the lock follower

Legend:



















































TECTIQ program



Accessories





Fastening sets for TECTIQ fittings

For TEC-B-LA, TEC-B-LA-SEC, TEC-B-LA-K, TEC-B-N-LA. For converting the above-mentioned hardware variants to the corresponding spindle edge length and door leaf thickness. Includes spindle edge, connecting screws and reducing sleeves.

Item no.	Description	Discount group	Additional information
 TTBS80088	TECTIQ fitting fixing set 8mm door leaf thickness 32-49mm		includes spindle, connecting screws, reducing sleeves
 TTBS80089	TECTIQ fitting fixing set 8mm door leaf thickness 50-64mm		includes spindle, connecting screws, reducing sleeves
 TTBS80090	TECTIQ fitting fixing set 8mm door leaf thickness 65-79mm		includes spindle, connecting screws, reducing sleeves
 TTBS80091	TECTIQ fitting fixing set 8mm door leaf thickness 80-94mm		includes spindle, connecting screws, reducing sleeves
 TTBS80092	TECTIQ fitting fixing set 8mm door leaf thickness 95-109mm		includes spindle, connecting screws, reducing sleeves
 TTBS80093	TECTIQ fitting fixing set 8mm door leaf thickness 110-121mm		includes spindle, connecting screws, reducing sleeves
 TTBS80094	TECTIQ fitting fixing set 8.5mm door leaf thickness 32-49mm		includes spindle, connecting screws, reducing sleeves
 TTBS80095	TECTIQ fitting fixing set 8.5mm door leaf thickness 50-64mm		includes spindle, connecting screws, reducing sleeves
 TTBS80096	TECTIQ fitting fixing set 8.5mm door leaf thickness 65-79mm		includes spindle, connecting screws, reducing sleeves
 TTBS80097	TECTIQ fitting fixing set 8.5mm door leaf thickness 80-94mm		includes spindle, connecting screws, reducing sleeves
 TTBS80098	TECTIQ fitting fixing set 8.5mm door leaf thickness 95-109mm		includes spindle, connecting screws, reducing sleeves
 TTBS80099	TECTIQ fitting fixing set 8.5mm door leaf thickness 110-121mm		includes spindle, connecting screws, reducing sleeves
 TTBS80100	TECTIQ fitting fixing set 9mm door leaf thickness 32-49mm		includes spindle, connecting screws
 TTBS80101	TECTIQ fitting fixing set 9mm door leaf thickness 50-64mm		includes spindle, connecting screws
 TTBS80102	TECTIQ fitting fixing set 9mm door leaf thickness 65-79mm		includes spindle, connecting screws
 TTBS80103	TECTIQ fitting fixing set 9mm door leaf thickness 80-94mm		includes spindle, connecting screws
 TTBS80104	TECTIQ fitting fixing set 9mm door leaf thickness 95-109mm		includes spindle, connecting screws
 TTBS80105	TECTIQ fitting fixing set 9mm door leaf thickness 110-121mm		includes spindle, connecting screws
 TTBS80106	TECTIQ fitting fixing set 10mm door leaf thickness 32-49mm		includes spindle, connecting screws, reducing sleeves
 TTBS80107	TECTIQ fitting fixing set 10mm door leaf thickness 50-64mm		includes spindle, connecting screws, reducing sleeves
 TTBS80108	TECTIQ fitting fixing set 10mm door leaf thickness 65-79mm		includes spindle, connecting screws, reducing sleeves
 TTBS80109	TECTIQ fitting fixing set 10mm door leaf thickness 80-94mm		includes spindle, connecting screws, reducing sleeves
 TTBS80110	TECTIQ fitting fixing set 10mm door leaf thickness 95-109mm		includes spindle, connecting screws, reducing sleeves
 TTBS80111	TECTIQ fitting fixing set 10mm door leaf thickness 110-121mm		includes spindle, connecting screws, reducing sleeves

Fastening sets for TECTIQ fittings with adapter plate

For TEC-B-LA-R, TEC-B-N-LA-R. For converting the above-mentioned hardware variants to the corresponding spindle edge length and door leaf thickness. Includes spindle edge, connecting screws and reducing sleeves.

Item no.	Description	Discount group	Additional information
 TTBS80113	TECTIQ fitting fixing set 8mm for adapter plate door leaf thickness 32-41mm		includes spindle, connecting screws, reducing sleeves
 TTBS80114	TECTIQ fitting fixing set 8mm for adapter plate door leaf thickness 42-51mm		includes spindle, connecting screws, reducing sleeves

all product images are exemplary images

Fastening sets for TECTIQ fittings with adapter plate

For TEC-B-LA-R, TEC-B-N-LA-R. Used to convert the above-mentioned hardware variants to the corresponding spindle edge length and door leaf thickness. Includes spindle edge, connecting screws and reducing sleeves.

Item no.		Description	Discount group	Additional information	
		TTBS80115	TECTIQ fitting fixing set 8mm for adapter plate door leaf thickness 52-61mm		includes spindle, connecting screws, reducing sleeves
		TTBS80116	TECTIQ fitting fixing set 8mm for adapter plate door leaf thickness 62-71mm		includes spindle, connecting screws, reducing sleeves
		TTBS80117	TECTIQ fitting fixing set 8mm for adapter plate door leaf thickness 72-81mm		includes spindle, connecting screws, reducing sleeves
		TTBS80118	TECTIQ fitting fixing set 8mm for adapter plate door leaf thickness 82-91mm		includes spindle, connecting screws, reducing sleeves
		TTBS80119	TECTIQ fitting fixing set 8mm for adapter plate door leaf thickness 92-101mm		includes spindle, connecting screws, reducing sleeves
		TTBS80120	TECTIQ fitting fixing set 8mm for adapter plate door leaf thickness 102-111mm		includes spindle, connecting screws, reducing sleeves
		TTBS80121	TECTIQ fitting fixing set 8mm for adapter plate door leaf thickness 112-121mm		includes spindle, connecting screws, reducing sleeves
		TTBS80122	TECTIQ fitting fixing set 8.5mm for adapter plate door leaf thickness 32-41mm		includes spindle, connecting screws, reducing sleeves
		TTBS80123	TECTIQ fitting fixing set 8.5mm for adapter plate door leaf thickness 42-51mm		includes spindle, connecting screws, reducing sleeves
		TTBS80124	TECTIQ fitting fixing set 8.5mm for adapter plate door leaf thickness 52-61mm		includes spindle, connecting screws, reducing sleeves
		TTBS80125	TECTIQ fitting fixing set 8.5mm for adapter plate door leaf thickness 62-71mm		includes spindle, connecting screws, reducing sleeves
		TTBS80126	TECTIQ fitting fixing set 8.5mm for adapter plate door leaf thickness 72-81mm		includes spindle, connecting screws, reducing sleeves
		TTBS80127	TECTIQ fitting fixing set 8.5mm for adapter plate door leaf thickness 82-91mm		includes spindle, connecting screws, reducing sleeves
		TTBS80128	TECTIQ fitting fixing set 8.5mm for adapter plate door leaf thickness 92-101mm		includes spindle, connecting screws, reducing sleeves
		TTBS80129	TECTIQ fitting fixing set 8.5mm for adapter plate door leaf thickness 102-111mm		includes spindle, connecting screws, reducing sleeves
		TTBS80130	TECTIQ fitting fixing set 8.5mm for adapter plate door leaf thickness 112-121mm		includes spindle, connecting screws, reducing sleeves
		TTBS80131	TECTIQ fitting fixing set 9mm for adapter plate door leaf thickness 32-41mm		includes spindle, connecting screws
		TTBS80132	TECTIQ fitting fixing set 9mm for adapter plate door leaf thickness 42-51mm		includes spindle, connecting screws
		TTBS80133	TECTIQ fitting fixing set 9mm for adapter plate door leaf thickness 52-61mm		includes spindle, connecting screws
		TTBS80134	TECTIQ fitting fixing set 9mm for adapter plate door leaf thickness 62-71mm		includes spindle, connecting screws
		TTBS80135	TECTIQ fitting fixing set 9mm for adapter plate door leaf thickness 72-81mm		includes spindle, connecting screws
		TTBS80136	TECTIQ fitting fixing set 9mm for adapter plate door leaf thickness 82-91mm		includes spindle, connecting screws
		TTBS80137	TECTIQ fitting fixing set 9mm for adapter plate door leaf thickness 92-101mm		includes spindle, connecting screws
		TTBS80138	TECTIQ fitting fixing set 9mm for adapter plate door leaf thickness 102-111mm		includes spindle, connecting screws
		TTBS80139	TECTIQ fitting fixing set 9mm for adapter plate door leaf thickness 112-121mm		includes spindle, connecting screws
		TTBS80140	TECTIQ fitting fixing set 10mm for adapter plate door leaf thickness 32-41mm		includes spindle, connecting screws, reducing sleeves
		TTBS80141	TECTIQ fitting fixing set 10mm for adapter plate door leaf thickness 42-51mm		includes spindle, connecting screws, reducing sleeves
		TTBS80142	TECTIQ fitting fixing set 10mm for adapter plate door leaf thickness 52-61mm		includes spindle, connecting screws, reducing sleeves
		TTBS80143	TECTIQ fitting fixing set 10mm for adapter plate door leaf thickness 62-71mm		includes spindle, connecting screws, reducing sleeves
		TTBS80144	TECTIQ fitting fixing set 10mm for adapter plate door leaf thickness 72-81mm		includes spindle, connecting screws, reducing sleeves

Legend:

 TECTIQ program

 Accessories



















Fastening sets for TECTIQ fittings with adapter plate

for TEC-B-LA-R, TEC-B-N-LA-R For converting the above-mentioned hardware variants to the corresponding spindle edge length and door leaf thickness. Includes spindle edge, connecting screws and reducing sleeves.

Item no.		Description	Discount group	Additional information	
		TTBS80145	TECTIQ fitting fixing set 10mm for adapter plate door leaf thickness 82-91mm		includes spindle, connecting screws, reducing sleeves
		TTBS80146	TECTIQ fitting fixing set 10mm for adapter plate door leaf thickness 92-101mm		includes spindle, connecting screws, reducing sleeves
		TTBS80147	TECTIQ fitting fixing set 10mm for adapter plate door leaf thickness 102-111mm		includes spindle, connecting screws, reducing sleeves
		TTBS80148	TECTIQ fitting fixing set 10mm for adapter plate door leaf thickness 112-121mm		includes spindle, connecting screws, reducing sleeves













Connecting screw sets for TECTIQ fittings

for TEC-B-LA-R, TEC-B-N-LA-R
Connecting screws for door leaf thicknesses between 32 mm and 121 mm.

Item no.		Description	Discount group	Additional information	
		TTBS80050	TECTIQ fitting connecting screws for adapter plate door leaf thickness 32-41mm		Connecting screw set for respective door thickness
		TTBS80051	TECTIQ fitting connecting screws for adapter plate door leaf thickness 42-51mm		Connecting screw set for respective door thickness
		TTBS80052	TECTIQ fitting connecting screws for adapter plate door leaf thickness 52-61mm		Connecting screw set for respective door thickness
		TTBS80053	TECTIQ fitting Connecting screws for adapter plate Door leaf thickness 62-71mm		Connecting screw set for respective door thickness
		TTBS80054	TECTIQ fitting connecting screws for adapter plate door leaf thickness 72-81mm		Connecting screw set for respective door thickness
		TTBS80055	TECTIQ fitting connecting screws for adapter plate door leaf thickness 82-91mm		Connecting screw set for respective door thickness
		TTBS80056	TECTIQ fitting connecting screws for adapter plate door leaf thickness 92-101mm		Connecting screw set for respective door thickness
		TTBS80057	TECTIQ fitting connecting screws for adapter plate door leaf thickness 102-111mm		Connecting screw set for respective door thickness
		TTBS80058	TECTIQ fitting Connecting screws for adapter plate Door leaf thickness 112-121mm		Connecting screw set for respective door thickness

Connecting screw sets for TECTIQ fittings

for TEC-B-LA, TEC-B-LA-SEC, TEC-B-LA-K, TEC-B-N-LA
Connecting screws for door leaf thicknesses between 32 mm and 121 mm.

Item no.		Description	Discount group	Additional information	
		TTBS80044	TECTIQ fitting Connecting screws Door leaf thickness 32-49mm		Connecting screw set for respective door thickness
		TTBS80045	TECTIQ fitting Connecting screws Door leaf thickness 50-64mm		Connecting screw set for respective door thickness
		TTBS80046	TECTIQ fitting Connecting screws Door leaf thickness 65-79mm		Connecting screw set for respective door thickness
		TTBS80047	TECTIQ fitting Connecting screws Door leaf thickness 80-84mm		Connecting screw set for respective door thickness
		TTBS80048	TECTIQ fitting Connecting screws Door leaf thickness 85-109mm		Connecting screw set for respective door thickness
		TTBS80049	TECTIQ fitting Connecting screws Door leaf thickness 110-121mm		Connecting screw set for respective door thickness

all product images are exemplary images

TECTIQ READER UNITS



Item number	TTWL10044S	TTWL10044W
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Description	TECTIQ Reader unit indoor IP44 black	TECTIQ Reader unit indoor IP44 white
	<ul style="list-style-type: none">Indoor reader unit as RFID reader for operation with the TECTIQ update terminal control unit or TECTIQ control unit via encrypted RS485 busHigh tamper protection with separate installation of reader unit (outside) and control unit (inside flush-mounted or in surface-mounted housing) via encrypted RS485 bus connection (up to 250 m cable, without network cable accessible from outside)Elegant design with high-quality, scratch-resistant real glass in black (RAL 9005), in the GIRA TX44 frameSuitable for indoor use with protection class IP44Use in the temperature range from -10 °C to 60 °C at max. 80% humidity (non-condensing)Clear status feedback on the authorisation status through visual and acoustic signallingSimple installation on the control unit (PoE-capable); data transmission (RS485) and power supply via 4-pin connection cable6 m pre-assembled, moulded cable included in the scope of delivery with the reader unit, extension up to 250 m possible (4 × 0.34 mm², shielded)	<ul style="list-style-type: none">Indoor reader unit as RFID reader for operation with the TECTIQ update terminal control unit or TECTIQ control unit via encrypted RS485 busHigh tamper protection with separate installation of reader unit (outside) and control unit (inside flush-mounted or in surface-mounted housing) via encrypted RS485 bus connection (up to 250 m cable, without network cable accessible from outside)Elegant design with high-quality, scratch-resistant real glass in white (RAL 9010), in the GIRA TX44 frameSuitable for indoor use with protection class IP44Use in the temperature range from -10 °C to 60 °C at max. 80% humidity (non-condensing)Clear status feedback on the authorisation status through visual and acoustic signallingSimple installation on the control unit (PoE-capable); data transmission (RS485) and power supply via 4-pin connection cable6 m pre-assembled, moulded cable included in the scope of delivery with the reader unit, extension up to 250 m possible (4 × 0.34 mm², shielded)

Item abbreviation	TEC-WL-44-S	TEC-WL-44-W
Product range	TECTIQ	TECTIQ
Dimensions (W × H × D)	86 x 110 mm	86 x 110 mm
Area of application	Indoors and protected outdoor area	Indoors and protected outdoor area
Connections	RS485 (BUS A, B), 12 V DC, GND	RS485 (BUS A, B), 12 V DC, GND
Cabling	6 m cable included in scope of delivery, can be extended up to 250 m (4 x 0.34 mm², shielded)	6 m cable included in scope of delivery, can be extended up to 250 m (4 x 0.34 mm², shielded)
Installation type	Surface mounted	Surface mounted
Min. operating temperature	-10 °C	-10 °C
Max. operating temperature	60 °C	60 °C
Humidity	Max. 80 % relative humidity, non-condensing	Max. 80 % relative humidity, non-condensing
DC voltage supply	Via the control unit (TTSG10000, TTSG10010), 12 V	Via the control unit (TTSG10000, TTSG10010), 12 V
Frame	Compatible with GIRA System TX44	Compatible with GIRA System TX44
IP protection class	44	44
Programming technology	RFID (13,56 MHz), Bluetooth (2,4 GHz)	RFID (13,56 MHz), Bluetooth (2,4 GHz)
RS-485 interface	Connection to the control unit terminal 2/connection 15-18: Bus A, Bus B, 12 V DC and GND. RS485 termination: via slide switch on the control unit	Connection to the control unit terminal 2/connection 15-18: Bus A, Bus B, 12 V DC and GND. RS485 termination: via slide switch on the control unit
Signalling	Visual & acoustic	Visual & acoustic
Security features	Encrypted data transmission via RS485 between control unit and reader unit, separate installation of control unit and reader unit possible	Encrypted data transmission via RS485 between control unit and reader unit, separate installation of control unit and reader unit possible
Transponder encryption	AES-128 Bit	AES-128 Bit
RFID conformity	ETSI EN 300 330	ETSI EN 300 330
RFID frequency	13.56 MHz	13.56 MHz
RFID range	≤ 3 cm	≤ 3 cm
RFID technology	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
Scope of delivery	1 x TECTIQ Reader unit indoor IP44 black (incl. 6 m cable) • 2 x TX10 screw (for the frame) • 1 x Quick Guide	1 x TECTIQ Reader unit indoor IP44 white (incl. 6 m cable) • 2 x TX10 screw (for the frame) • 1 x Quick Guide
Required accessories	TTSG10000 TECTIQ Controller unit update terminal (in-wall) • TTSG10010 TECTIQ Controller unit wallreader (in-wall)	TTSG10000 TECTIQ Controller unit update terminal (in-wall) • TTSG10010 TECTIQ Controller unit wallreader (in-wall)
Recommended accessories	-	-



Item number	TTWL10067S	TTWL10067W
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Description	TECTIQ Reader unit outdoor IP67 black	TECTIQ Reader unit outdoor IP67 white
	<ul style="list-style-type: none">Outdoor reader unit as RFID reader for operation with the TECTIQ update terminal control unit or TECTIQ control unit via encrypted RS485 busHigh tamper protection with separate installation of reader unit (outside) and control unit (inside flush-mounted or in surface-mounted housing) via encrypted RS485 bus connection (up to 250 m cable, without network cable accessible from outside)Elegant design with high-quality, scratch-resistant real glass in white (RAL 9005), high impact resistance in a robust metal housing (stainless steel look)Suitable for use in unprotected outdoor areas with protection class IP67 (waterproof metal housing moulded at the rear)Use in the temperature range from -20 °C to 70 °C at max. 99% humidity (non-condensing)Clear status feedback on the authorisation status through visual and acoustic signallingSimple installation on the control unit (PoE-capable); data transmission (RS485) and power supply via 4-pin connection cable6 m pre-assembled, moulded cable included in the scope of delivery with the reader unit, extension up to 250 m possible (4 × 0.34 mm², shielded)	<ul style="list-style-type: none">Outdoor reader unit as RFID reader for operation with the TECTIQ update terminal control unit or TECTIQ control unit via encrypted RS485 busHigh tamper protection with separate installation of reader unit (outside) and control unit (inside flush-mounted or in surface-mounted housing) via encrypted RS485 bus connection (up to 250 m cable, without network cable accessible from outside)Elegant design with high-quality, scratch-resistant real glass in white (RAL 9010), high impact resistance in a robust metal housing (stainless steel look)Suitable for use in unprotected outdoor areas with protection class IP67 (waterproof metal housing moulded at the rear)Use in the temperature range from -20 °C to 70 °C at max. 99% humidity (non-condensing)Clear status feedback on the authorisation status through visual and acoustic signallingSimple installation on the control unit (PoE-capable); data transmission (RS485) and power supply via 4-pin connection cable6 m pre-assembled, moulded cable included in the scope of delivery with the reader unit, extension up to 250 m possible (4 × 0.34 mm², shielded)

Item abbreviation	TEC-WL-67-S	TEC-WL-67-W
Product range	TECTIQ	TECTIQ
Dimensions (W × H × D)	97 x 119 mm	97 x 119 mm
Area of application	Outdoor and indoor areas	Outdoor and indoor areas
Connections	RS485 (BUS A, B), 12 V DC, GND	RS485 (BUS A, B), 12 V DC, GND
Cabling	6 m cable included in scope of delivery, can be extended up to 250 m (4 x 0.34 mm², shielded)	6 m cable included in scope of delivery, can be extended up to 250 m (4 x 0.34 mm², shielded)
Installation type	Surface mounted	Surface mounted
Min. operating temperature	-20 °C	-20 °C
Max. operating temperature	70 °C	70 °C
Humidity	Max. 99 % relative humidity, non-condensing	Max. 99 % relative humidity, non-condensing
DC voltage supply	Via the control unit (TTSG10000, TTSG10010), 12 V	Via the control unit (TTSG10000, TTSG10010), 12 V
Frame	Metal frame in stainless steel look	Metal frame in stainless steel look
IP protection class	67	67
Programming technology	RFID (13,56 MHz), Bluetooth (2,4 GHz)	RFID (13,56 MHz), Bluetooth (2,4 GHz)
RS-485 interface	Connection to the control unit terminal 2/connection 15-18: Bus A, Bus B, 12 V DC and GND. RS485 termination: via slide switch on the control unit	Connection to the control unit terminal 2/connection 15-18: Bus A, Bus B, 12 V DC and GND. RS485 termination: via slide switch on the control unit
Signalling	Visual & acoustic	Visual & acoustic
Security features	Encrypted data transmission via RS485 between control unit and reader unit, separate installation of control unit and reader unit possible	Encrypted data transmission via RS485 between control unit and reader unit, separate installation of control unit and reader unit possible
Transponder encryption	AES-128 Bit	AES-128 Bit
RFID conformity	ETSI EN 300 330	ETSI EN 300 330
RFID frequency	13.56 MHz	13.56 MHz
RFID range	≤ 3 cm	≤ 3 cm
RFID technology	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
Scope of delivery	1 x TECTIQ Reader unit outdoor IP67 black (incl. 6 m cable) • 2 x TX10H screw (for the frame) • 1 x TX10H tool • 1 x Rubber seal • 1 x Quick Guide	1 x TECTIQ Reader unit outdoor IP67 white (incl. 6 m cable) • 2 x TX10H screw (for the frame) • 1 x TX10H tool • 1 x Rubber seal • 1 x Quick Guide
Required accessories	TTSG10000 TECTIQ Controller unit update terminal (in-wall) • TTSG10010 TECTIQ Controller unit wallreader (in-wall)	TTSG10000 TECTIQ Controller unit update terminal (in-wall) • TTSG10010 TECTIQ Controller unit wallreader (in-wall)
Recommended accessories	-	-



TECTIQ® CONTROLLER UNITS



Item number	TTSG10000	TTSG10010
Description	TECTIQ Controller unit update terminal (in-wall)	TECTIQ Controller unit wallreader (in-wall)
	• Update terminal controller unit for combination with the TECTIQ reader unit, for validating and updating permissions on locking media and for simultaneous activation of electronic door and gate drives and other actuators	• Flush-mounted controller unit for combination with the TECTIQ reader unit; for controlling electronic locking components such as door and gate drives, electric door openers, lifts, barriers, rolling grilles, turnstiles and other actuators
Item abbreviation	TEC-SG-UP-ON	TEC-SG-UP-OFF
Product range	TECTIQ	TECTIQ
Dimensions (W × H × D)	71 x 71 mm	71 x 71 mm
Area of application	Activation of electronic door and access control systems (e.g. electric door opener, motorised locks, gate and barrier systems) and other actuators	Activation of electronic door and access control systems (e.g. electric door opener, motorised locks, gate and barrier systems) and other actuators
Connections	Two plug-in connection terminals	Two plug-in connection terminals
Cabling	Up to 100 m distance between control unit and Ethernet adapter, up to 250 m distance between control unit and reader unit (4 x 0.34 mm², shielded)	Up to 250 m distance between control unit and reader unit (4 x 0.34 mm², shielded)
Installation type	Indoor, in dia. 60 mm flush-mounted or cavity wall appliance junction boxes with a minimum internal depth of 53 mm (66 mm recommended) or in surface-mounted industrial housings (to DIN VDE 0606, DIN VDE 0471, DIN IEC 695)	Indoor, in dia. 60 mm flush-mounted or cavity wall appliance junction boxes with a minimum internal depth of 53 mm (66 mm recommended) or in surface-mounted industrial housings (to DIN VDE 0606, DIN VDE 0471, DIN IEC 695)
Min. operating temperature	-20 °C	-20 °C
Max. operating temperature	60 °C	60 °C
Humidity	Max. 80 % relative humidity, non-condensing	Max. 80 % relative humidity, non-condensing
DC voltage supply	(terminal 1/connection 1 - 8) PoE IEEE 802.3af or (terminal 2/connection 13 - 14) external 12 V	(terminal 1/connection 1 - 8) PoE IEEE 802.3af or (terminals 2/connection 13 - 14) external 12 V
Max. Power consumption	100 mA/1.0 W (update terminal control unit without actuator/reader unit)	100 mA/1.0 W (wall reader control unit without actuator/reader unit)
IP protection class	20	20
Security features	End-to-end encrypted data transmission via RS485 between control unit and reader unit, separate installation of control unit and reader unit possible	End-to-end encrypted data transmission via RS485 between control unit and reader unit, separate installation of control unit and reader unit possible
Clock buffering for power failure	Max. 3 hours	Max. 3 hours
Interfaces	RS485, Micro-USB, Ethernet/PoE, relay output	RS485, Micro-USB, PoE, relay output
Ethernet interface	Terminal 1/connection 1 - 8 (see mounting instructions)	Power supply (terminal 1/connection 1 - 8)
RS-485 interface	Connection of an external reader unit to terminal 2/connection 15-18: Bus A, Bus B, 12 V DC and GND. Setting for number of reader units: via slide switch on the control unit	Connection of an external reader unit to terminal 2/connection 15-18: Bus A, Bus B, 12 V DC and GND. Setting for number of reader units: via slide switch on the control unit
Relay outputs	One potential-free relay output, dielectric strength: 60 V DC, 50 V AC, current carrying capacity: 1 A DC, 1 A AC	One potential-free relay output, dielectric strength: 60 V DC, 50 V AC, current carrying capacity: 1 A DC, 1 A AC
Special functions	Office Mode for permanent activation of the locking element, e.g. during business hours	Office Mode for permanent activation of the locking element, e.g. during business hours
Storage type	Circular buffer: 10,000 events	Circular buffer: 890 events
Communication protocols	TCP/IP, peer-to-peer mediation server	-
Scope of delivery	1 x TECTIQ Controller unit update terminal (in-wall) • 2 x Connection terminal • 1 x Quick Guide	1 x TECTIQ Controller unit wallreader (in-wall) • 2 x Connection terminal • 1 x Quick Guide
Required accessories	TTWL10044S TECTIQ Reader unit indoor IP44 black • TTWL10067S TECTIQ Reader unit outdoor IP67 black • TTWL10044W TECTIQ Reader unit indoor IP44 white • TTWL10067W TECTIQ Reader unit outdoor IP67 white	TTWL10044S TECTIQ Reader unit indoor IP44 black • TTWL10067S TECTIQ Reader unit outdoor IP67 black • TTWL10044W TECTIQ Reader unit indoor IP44 white • TTWL10067W TECTIQ Reader unit outdoor IP67 white
Recommended accessories	TTSG80002W TECTIQ Controller Unit blank cover with frame (white) • TTSG80001 TECTIQ Controller Unit surface-mounted housing • TTSG80003 TECTIQ controller unit DIN rail adapter • TTSG80002S TECTIQ Controller Unit blank cover with frame (black)	TTSG80002W TECTIQ Controller Unit blank cover with frame (white) • TTSG80001 TECTIQ Controller Unit surface-mounted housing • TTSG80003 TECTIQ controller unit DIN rail adapter • TTSG80002S TECTIQ Controller Unit blank cover with frame (black)

ACCESSORIES TECTIQ CONTROLLER UNITS



Item number	TTSG80001	TTSG90001
Description	TECTIQ Controller Unit surface-mounted housing <ul style="list-style-type: none">• Surface-mounted industrial housing for the TECTIQ wall reader control unit and the update terminal control unit• Industrial housing for optimum protection of the control unit in the case of surface mounting• Protects the control unit from dust, liquids and vandalism• Industrial housing (IP66) for installation in protected outdoor or indoor areas• Robust housing with high impact resistance (IK07)• Housing dimensions: 130 x 94 x 81 mm; cable glands included in the scope of delivery.	TECTIQ Controller Unit connection terminals <ul style="list-style-type: none">• Connection terminals for the TECTIQ wallreader controller unit and the TECTIQ update terminal controller unit• Spare part for simple wiring of TECTIQ controller units• Set consisting of both connection terminals (1 & 2)
Item abbreviation	TEC-SG-Z	TEC-SG-E
Product range	TECTIQ	TECTIQ
Dimensions (W × H × D)	81 x 130 mm	18 x 37 mm
Scope of delivery	1 x Industrial housing • 1 x Mounting plate • 4 x Screws • 1 x M20 cable gland • 2 x M16 cable gland • 1 x Quick Guide	1 x Connection terminals (1 & 2)
Required accessories	-	-
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Item number	TTSG80002W	TTSG80002S
Description	TECTIQ Controller Unit blank cover with frame (white) <ul style="list-style-type: none">• Blank cover (white) for the TECTIQ controller units for discreet installation in the flush-mounted box• Accessory for separate installation of controller unit and reader unit• Blank cover suitable for indoor reader unit IP44 white (TTWL10044W)• Compatible with the GIRA TX44 frame and switch range	TECTIQ Controller Unit blank cover with frame (black) <ul style="list-style-type: none">• Blank cover (black) for the TECTIQ control units for discreet installation in the flush-mounted box• Accessory for separate installation of controller unit and reader unit• Blank cover suitable for indoor reader unit IP44 black (TTWL10044S)• Compatible with the GIRA TX44 frame and switch range
Item abbreviation	TEC-SG-Z	TEC-SG-Z
Product range	TECTIQ	TECTIQ
Dimensions (W × H × D)	86 x 110 mm	86 x 110 mm
Scope of delivery	1 x Frame (white) • 1 x Dummy cover (white)	1 x Frame (black) • 1 x Dummy cover (black)
Required accessories	-	-

TECTIQ CONTROL CENTER & SOFTWARE



Item number	TTC010000
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Description	TECTIQ Access control center
	<ul style="list-style-type: none">• Access control center of the TECTIQ Data-on-Card system in commercial and public buildings• TECTIQ Access Manager desktop software with intuitive user interface for efficient setup and management of the TECTIQ system• Storage of all data on the access control center, which can be easily integrated into the network as a complete solution including software/database regardless of the server architecture on site; local operation or with internet connection (optional)• PC access via TECTIQ Access Manager for up to 5 administrators to the access control center• Remote access (internet connection) to the entire system for location-independent administration via the TECTIQ Access Manager (e.g. from the company headquarters or from the home office)• Integration of up to 100 TECTIQ update terminals for validating & updating locking media in use (transponder, card or key fob), also across locations via secure peer-to-peer connection• Easily scalable and expandable at any time by adding electronic door and system components as required• Realise property-specific solutions flexibly and in line with requirements via TECTIQ Access Manager and program the door components easily with the parameter card• Simple connection to the infrastructure: Power supply 12 V DC and Ethernet RJ45 10/100 Mbit/s

Item abbreviation	TEC-CTRL
Product range	TECTIQ
Dimensions (W × H × D)	247 x 277 mm
Area of application	Protected indoor area (e.g. server and infrastructure rooms, secured indoor areas)
Connections	Power supply, network interface (Ethernet) RJ45, USB 2.0
Functions	Access control center for the TECTIQ system, locally integrated database, device management
Number of persons	Max. 2.000
Number of offline door components	Max. 3.000
Number of schedules	Up to 300 schedules can be set, a maximum of one individual overall schedule per person/person group with a maximum of 15 intervals and 30 blocking days can be assigned
DC voltage supply	12 V
Signalling	Status LEDs (power, update, terminal communication, internet status)
Clock buffering for power failure	Yes
Operation	TECTIQ Access Manager
Operating mode	Data-on-Card via desktop reader and optional online update terminals (also across locations)
Database type	Local database in the access control center
Remote access	Peer-to-peer mediation server, firewall/port settings: recommended from port 40000 (UDP): P2P communication, alternatively: Port 53 (UDP): DNS Service, Port 443 (UDP/TCP) HTTPS base station connection, Port 3478 (UDP): STUN server connection, Port 3479 (UDP): STUN server connection, Port 5566 (UDP) base station connection, Port 5568 (TCP): Gateway connection
Security features	Local data backup, housing lock with security Torx, time buffering in the event of power failure, data retention in the event of a power failure, password protection, secure internet connection
Network integration	Discovery service or manual addition
Internet communication connections	No internet connection required for local use, optional: NTP (date/time synchronisation), highly secure encrypted communication via peer-to-peer mediation server (remote access)
Scope of delivery	1 x TECTIQ Access control center • 1 x CR1220 3 V backup battery (article no: ACAC00074) • 1 x Quick Guide
Required accessories	TTTL10000 TECTIQ Desktop Reader USB • 505366 International plug-in power supply 12V/1.5A • TTAM10000 TECTIQ Access Manager
Recommended accessories	TTST10005 TECTIQ Sytemmedia Set



Item number	TTTL10000
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Description	TECTIQ Desktop Reader USB
	<ul style="list-style-type: none">• Reader for centralised teach-in, writing and updating of TECTIQ locking media directly on the PC• Equipment for managing every TECTIQ system, including remote access to the access control center via the TECTIQ Access Manager• Simple start-up via USB 2.0 (plug-and-play) without complex configuration• Compact design, space-saving and flexible for use at the desk, reception or gate• Compatible with all TECTIQ locking and system media (transponder, card, Pro Cap) with MIFARE® DESFire® EV1• Encrypted connection from the desktop reader to the TECTIQ access control center• Visual and acoustic signalling via coloured LED and confirmation tone to confirm the successful read/write process• RFID read/write process, contactless and fast
Item abbreviation	TEC-TL
Product range	TECTIQ
Dimensions (W × H × D)	56 x 88 mm
Area of application	Indoor
Connections	USB interface
Installation type	No assembly required, table stand
Cable length	2 m
Colour	Frame in black, printing in blue
DC voltage supply	Via USB connection, 5 V
IP protection class	30
Signalling	Acoustic and visual
RFID conformity	ETSI EN 300 330
RFID frequency	13.56 MHz
RFID range	≤ 3 cm
RFID technology	MIFARE® DESFire® EV1, EV2, EV3
Security features	Encrypted data transmission to Access Manager (AES-128)
Transponder encryption	AES-128 Bit
Scope of delivery	1 x TECTIQ Desktop Reader USB • 1 x Quick Guide
Required accessories	TTC010000 TECTIQ Access control center • TTAM10000 TECTIQ Access Manager

TECTIQ CONTROL CENTER ACCESSORIES

	Item no.	Description	Discount group	Additional information
	505366	International plug-in power supply 12V/1.5A		Power supply for the TECTIQ control center
	ACAC00043	ABUS Micro USB Updater Cable (TECTIQ/WLX Pro)		Cable for use of the Access Component Updater
	ACAC00073	Power supply 3 A with backup battery		Emergency power supply for the TECTIQ control center for at least 14 hours
	ACAC00074	CR1220 3V backup battery (TECTIQ/WLX Control)		Buffer battery of the TECTIQ control center

Legend:



TECTIQ program



Accessories



Item number TTAM10000

Description	TECTIQ Access Manager
	<ul style="list-style-type: none">• Desktop software for access management of the TECTIQ locking system for up to 5 administrators; flexible access from any PC• Convenient, flexible administration and maintenance of the TECTIQ system• Automated job list: the system automatically creates service orders for programming door components, e.g. using a parameter card• Intuitive dashboard for clear display of the system status, all parameters and open tasks for quick and easy operation• Flexible assignment of individual and group permissions for doors or door groups, as well as definition of specific individual authorisations• Locking plan matrix for organised display and easy management of all access authorisations for persons at access points (doors/persons) in a condensed and clear screen view• Simple creation of schedules and definition of blocking days for persons and groups of persons (incl. special permissions at person level)• Secure access to the TECTIQ database via LAN or remotely via an encrypted internet connection (online)• Flexible property-specific solutions, e.g. Office Mode (permanent opening), works council function• Simple configuration of door components, e.g. engagement time (opening time) of the TECTIQ cylinder

Item abbreviation	TEC-AM
Product range	TECTIQ
System requirements	Processor: 2.0 GHz or faster, RAM: 2 GB or more, storage space: 2 GB or more
Supported operating systems	Windows 10, Windows 11 (64-bit versions)
Supported languages	German, English, Dutch, Swedish, Danish, Italian, French, Norwegian, Finnish
Update capability	Auto-update in the application or via download from abus.com
Functions	Application and locking system software for the TECTIQ Data-on-Card locking system
Compatible with	TECTIQ access control center, TECTIQ update terminal, TECTIQ cylinder, TECTIQ narrow-frame fitting, TECTIQ wall reader, TECTIQ Admin app, TECTIQ system transponder, TECTIQ desktop reader USB
Display resolution	Mindestens: 1440 x 1080 px, ideal: 1600 x 900 px
Internet connection	Internet connection required at regular intervals to refresh the online account token and to download firmware and software updates
Initial installation	The application software can be installed on a PC/laptop via a setup file
Registration	Creation of an ABUS online account, e.g. in the TECTIQ Access Manager
GDPR compliance	Yes, processing of data only for the provision of existing functionalities
Number of administrators	Creation of a maximum of 5 equally authorised administrators
Number of offline door components	Max. 3.000
Number of online update terminals	Max. 100
Number of persons	Max. 2.000
Number of person groups	Max. 200
Number of SW accesses	Simultaneous access to a TECTIQ access control center, installation of the Access Manager at any number of workstations possible
Number of USB table readers	No limit
Remote access	Peer-to-peer mediation server, firewall/port settings: recommended from port 40000 (UDP): P2P communication, alternatively: Port 53 (UDP): DNS Service, Port 443 (UDP/TCP) HTTPS base station connection, Port 3478 (UDP): STUN server connection, Port 3479 (UDP): STUN server connection, Port 5566 (UDP): Base station connection, Port 5568 (TCP): Gateway connection
Security features	Login password protection, online verification token, including regular validity checks, password guidelines in accordance with GDPR, end-to-end encryption of the entire system
Availability	Available for download at www.abus.com



Item number TTAA10000

Description	TECTIQ Admin App
	<ul style="list-style-type: none">• Admin app (iOS/Android) for time-saving maintenance of TECTIQ door components via Bluetooth Low Energy (BLE)• Fast, wireless firmware updates for TECTIQ door components via BLE• Secure authentication at the door component by presenting a parameter card of the system before starting data exchange• Simple synchronisation of date and time in the app after battery replacement• Secure login in the Admin app via the ABUS Online account• Available soon: quick start-up and maintenance of the system by personalising components, transferring logs and events, transferring the blacklist and much more in the app• Available soon: real-time data exchange between TECTIQ Access Manager and Admin app conveniently via mobile data (GSM, 4G, 5G) or locally via Wi-Fi

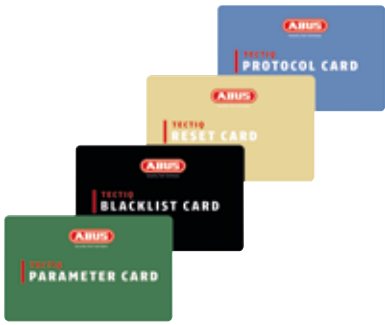
Item abbreviation	TEC-APP-ADMIN
Product range	TECTIQ
Functional principle	Programming tool for TECTIQ locking systems
Functions	Synchronisation of date/time, FW update of door components
Compatible with	TECTIQ cylinder, TECTIQ fitting, TECTIQ wall reader
Initial installation	Download the Admin app from the App Store (iOS) or Google Play Store (Android)
Registration	Login via the ABUS Online account in the app
Synchronisation	Synchronisation of the app with the ABUS Cloud: via Wi-Fi or mobile radio (GSM/LTE), communication with the TECTIQ door component: via Bluetooth Low Energy 2.4 GHz
Security features	Data transfer only possible with ABUS Online account and parameter card of the system, locking of taught-in parameter cards in the ABUS TECTIQ Access Manager, readout-protected data storage within the smartphone
Availability	iOS (App Store) & Android (Google Play Store)
Supported languages	German, English, Dutch, Swedish, Danish, Italian, French, Norwegian, Finnish



Item number	TTST10000	TTST10001	TTST10002
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Description	TECTIQ Parameter Card	TECTIQ Blacklist Card	TECTIQ Reset Card
	<ul style="list-style-type: none">• System card for secure data transfer between the TECTIQ Access Manager and the door components• Data-on-Card: Parameterises the door component with the information from the TECTIQ Access Manager (ID) and writes information (firmware & serial number) back again• For updating the date/time, e.g. after a battery change, and for transferring the programming after a change (e.g. relocation of a component)• MIFARE® DESFire® card structure enables convenient, secure, contactless and readout-protected data transmission• Smart card in cheque card format for wallet, card holder, etc.• Consecutively numbered	<ul style="list-style-type: none">• System card for transferring the current blacklist from the TECTIQ software to the access components (fitting, cylinder, wall reader)• To immediately deactivate access to a locking medium (transponder, card) blocked in the software at all relevant (access) doors, e.g. if the locking medium is lost or stolen• Using a blacklist card, the block is activated immediately - before the set validation period for the medium to be blocked expires• MIFARE® DESFire® card structure enables convenient, secure, contactless and readout-protected data transmission• Smart card in cheque card format for wallet, card holder, etc.• Consecutively numbered	<ul style="list-style-type: none">• System card for resetting TECTIQ access components (fittings, cylinders, wall readers) to the factory settings• A reset access component can thus be reused in this system.• Creating or programming the reset card on the TECTIQ desktop reader• MIFARE® DESFire® card structure enables convenient, secure, contactless and readout-protected data transmission• Smart card in cheque card format for wallet, card holder, etc.• Consecutively numbered

Item abbreviation	TEC-ST-Parameter	TEC-ST-Blacklist	TEC-ST-Reset
Product range	TECTIQ	TECTIQ	TECTIQ
Area of application	for parameterising the TECTIQ door products	for blocking transponders in the TECTIQ door component	to reset the door products in a TECTIQ system
Colour	Green	Black	Yellow
Programming technology	RFID (13,56 MHz)	RFID (13,56 MHz)	RFID (13,56 MHz)
RFID conformity	ISO 14443	ISO 14443	ISO 14443
RFID frequency	13.56 MHz	13.56 MHz	13.56 MHz
RFID technology	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
Security features	Copy and read protection through MIFARE® DESFire® + ABUS security application, cards are assigned to the customer's TECTIQ system	Copy and read protection through MIFARE® DESFire® + ABUS security application, cards are assigned to the customer's TECTIQ system	Copy and read protection through MIFARE® DESFire® + ABUS security application, cards are assigned to the customer's TECTIQ system
Transponder conformity	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)
Transponder programming	TECTIQ Access Manager via TECTIQ Card Reader	TECTIQ Access Manager via TECTIQ Card Reader	TECTIQ Access Manager via TECTIQ Card Reader
Transponder encryption	AES 128-Bit	AES 128-Bit	AES 128-Bit
Dimensions	86 x 54 x 1 mm	86 x 54 x 1 mm	86 x 54 x 1 mm



Item number	TTST10003	TTST10005
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Description	TECTIQ Protocol Card	TECTIQ Sytemmedia Set
	<ul style="list-style-type: none">• System card for reading out all logged events of the TECTIQ access components and exchanging them with the TECTIQ software (Access Manager)• The log card transmits the events of all persons at the respective component (in contrast to the personal transponder, which only transmits individual logs)• Depending on the setting, logs contain the access data (date, time, ID) and the status of the door component (e.g. battery level, firmware version)• The access logs are saved/read out in the software in accordance with data protection regulations (dual control principle)• MIFARE® DESFire® card structure enables convenient, secure, contactless and readout-protected data transmission• Smart card in cheque card format for wallet, card holder, etc.• Consecutively numbered	<ul style="list-style-type: none">• Set with all TECTIQ system cards• Included in the set: Parameter card, blacklist card, protocol card and reset card• MIFARE® DESFire® card structure enables convenient, secure, contactless and readout-protected data transmission• Smart card in cheque card format for wallet, card holder, etc.• Cards numbered consecutively

Item abbreviation	TEC-ST-Protocol	TEC-ST-Set
Product range	TECTIQ	TECTIQ
Area of application	to read out the logs in a TECTIQ door component	TECTIQ system media for daily operation
Colour	Blue	-
Programming technology	RFID (13,56 MHz)	RFID (13,56 MHz)
RFID conformity	ISO 14443	ISO 14443
RFID frequency	13.56 MHz	13.56 MHz
RFID technology	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
Security features	Copy and read protection through MIFARE® DESFire® + ABUS security application, cards are assigned to the customer's TECTIQ system	Copy and read protection through MIFARE® DESFire® + ABUS security application, cards are assigned to the customer's TECTIQ system
Transponder conformity	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)
Transponder programming	TECTIQ Access Manager via TECTIQ Card Reader	TECTIQ Access Manager via TECTIQ Card Reader
Transponder encryption	AES 128-Bit	AES 128-Bit
Dimensions	86 x 54 x 1 mm	86 x 54 x 4 mm


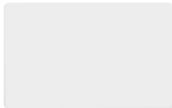

TECTIQ LOCKING MEDIA

			
Item number	TTTP10108G	TTTP10108B	TTTP10108R

Description	TECTIQ Transponder Advanced green MIFARE DESFire EV3 8K (Security UID)	TECTIQ Transponder Advanced blue MIFARE DESFire EV3 8K (Security UID)	TECTIQ Transponder Advanced red MIFARE DESFire EV3 8K (Security UID)
Item abbreviation	T-MIF-DES-ADV-8K-SEC-UID-G	T-MIF-DES-ADV-8K-SEC-UID-B	T-MIF-DES-ADV- K-SEC-UID-R
Product range	TECTIQ	TECTIQ	TECTIQ
Area of application	Locking media for ABUS TECTIQ access control system with static UID	Locking media for ABUS TECTIQ access control system with static UID	Locking media for ABUS TECTIQ access control system with static UID
Colour	green	blue	red
Programming technology	RFID (13,56 MHz)	RFID (13,56 MHz)	RFID (13,56 MHz)
RFID conformity	ISO 14443	ISO 14443	ISO 14443
RFID frequency	13.56 MHz	13.56 MHz	13.56 MHz
RFID technology	MIFARE® DESFire® EV3	MIFARE® DESFire® EV3	MIFARE® DESFire® EV3
Security features	Copy and read protection with MIFARE® DESFire® + ABUS security application with static UID	Copy and read protection with MIFARE® DESFire® + ABUS security application with static UID	Copy and read protection with MIFARE® DESFire® + ABUS security application with static UID
Transponder conformity	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)
Transponder programming	Access control software and card reader	Access control software and card reader	Access control software and card reader
Transponder encryption	AES 128-Bit	AES 128-Bit	AES 128-Bit
Dimensions	36,5 x 45,3 x 5,5 mm	36,5 x 45,3 x 5,5 mm	36,5 x 45,3 x 5,5 mm

			
Item number	TTTP10108W	TTTP10108S	TTTP20108S

Description	TECTIQ Transponder Advanced white MIFARE DESFire EV3 8K (Security UID)	TECTIQ Transponder Advanced black MIFARE DESFire EV3 8K (Security UID)	TECTIQ Dual Transponder Advanced black MIFARE DESFire EV3 8k / EM4102
Item abbreviation	T-MIF-DES-ADV-8K-SEC-UID-W	T-MIF-DES-ADV-8K-SEC-UID-S	T-MIF-DES-ADV-8K-SEC-UID-DUAL-S
Product range	TECTIQ	TECTIQ	TECTIQ
Area of application	Locking media for ABUS TECTIQ access control system with static UID	Locking media for ABUS TECTIQ access control system with static UID	Locking media for ABUS TECTIQ access control system with static UID
Colour	white	black	black
Programming technology	RFID (13,56 MHz)	RFID (13,56 MHz)	RFID (13,56 MHz / 125 KHz)
RFID conformity	ISO 14443	ISO 14443	ISO 14443
RFID frequency	13.56 MHz	13.56 MHz	13.56 MHz
RFID technology	MIFARE® DESFire® EV3	MIFARE® DESFire® EV3	MIFARE® DESFire® EV3 & EM4102
Security features	Copy and read protection with MIFARE® DESFire® + ABUS security application with static UID	Copy and read protection with MIFARE® DESFire® + ABUS security application with static UID	Copy and read protection with MIFARE® DESFire® + ABUS security application with static UID
Transponder conformity	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)
Transponder programming	Access control software and card reader	Access control software and card reader	Access control software and card reader
Transponder encryption	AES 128-Bit	AES 128-Bit	AES 128-Bit
Dimensions	36,5 x 45,3 x 5,5 mm	36,5 x 45,3 x 5,5 mm	36,5 x 45,3 x 5,5 mm

			
Item number	TTTP11108S	TTTK10108	TTST10004



Description	TECTIQ Transponder Basic black MIFARE DESFire EV3 8K (Security UID)	TECTIQ Transponder card MIFARE DESFire EV3 8K (Security UID)	TECTIQ Emergency Transponder
Item abbreviation	T-MIF-DES-BAS-8K-SEC-UID-S	K-MIF-DES-8K-SEC-UID	TEC-ST-Emergency
Product range	TECTIQ	TECTIQ	TECTIQ
Area of application	Locking media for ABUS TECTIQ access control system with static UID	Locking media for ABUS TECTIQ access control system with static UID	Emergency transponder for the fire brigade with general access and „permanently open“ function
Colour	black	white	Red
Programming technology	RFID (13,56 MHz)	RFID (13,56 MHz)	RFID (13,56 MHz)
RFID conformity	ISO 14443	ISO 14443	ISO 14443
RFID frequency	13.56 MHz	13.56 MHz	13.56 MHz
RFID technology	MIFARE® DESFire® EV3	MIFARE® DESFire® EV3	MIFARE® DESFire® EV1, EV2, EV3
Security features	Copy and read protection with MIFARE® DESFire® + ABUS security application with static UID	Copy and read protection with MIFARE® DESFire® + ABUS security application with static UID	Copy and read protection through MIFARE® DESFire® + ABUS security application, cards are assigned to the customer's TECTIQ system
Transponder conformity	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)
Transponder programming	Access control software and card reader	Access control software and card reader	TECTIQ Access Manager via TECTIQ Card Reader
Transponder encryption	AES 128-Bit	AES 128-Bit	AES 128-Bit
Dimensions	34,5 x 43,5 x 5 mm	86 x 54 x 1 mm	36 x 45 x 5 mm

			
Item number	ACAC00076	ACAC00077	ACAC00078

Description	Transponder card case	Jojo drawstring for card case	Keychain (Set of 10) blue
	<ul style="list-style-type: none">• Accessories for the transponder cards of ABUS access control systems• Card sleeve for secure storage• Perfect in combination with the yoyo drawstring	<ul style="list-style-type: none">• Accessories for the transponder cards of ABUS access control systems• Perfect in combination with the transponder card cover	<ul style="list-style-type: none">• Accessories for ABUS access control system transponders• Tools for labelling / identifying transponders• Useful from teaching in the access control centre to issuing the locking media to the user

TECTIQ SERVICE AND SUPPORT OFFER

SERVICES WITH STAFF ON SITE:



Service	Description	Additional note
Project planning (on site)	<p>Project planning services:</p> <ul style="list-style-type: none">• Creating the door list• Taking door measurements• Selecting the right door components according to customer requirements• Discussing the configuration features (drilling protection, design, etc.)• Planning the update terminals• Discussing and coordinating with site management, IT and tradesmen (electricians, fitters, planning officers)• Final documentation in digital form	Additional services due to customer-specific adaptations or interruptions/waiting times due to delays on site will be charged according to time and effort.


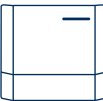


Service	Description	Additional note
Software training Administrator (on site)	<p>Administrator software training services (on site):</p> <p>Training for administrators in the TECTIQ software, including</p> <ul style="list-style-type: none">• Login• Dashboard• System settings• Permissions management• Execution of jobs• Lock plan matrix	max. 1 day no commissioning Training on and presentation of the software processes

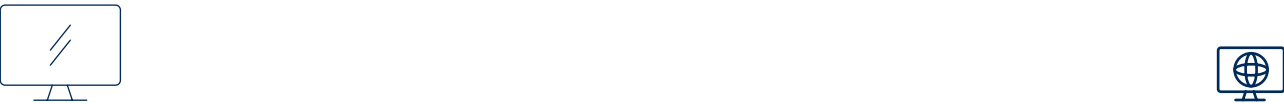


Service	Description	Additional note
Commissioning support (on site)	<p>Commissioning support services:</p> <p>Support with commissioning the TECTIQ system, including</p> <ul style="list-style-type: none">• Commissioning the TECTIQ access control panel• Configuring the system settings according to customer requirements• Programming system media• Programming all TECTIQ door components• Programming update terminals	no installation service Focus on support during system commissioning

REMOTE SERVICES ONLINE OR OVER THE PHONE:






Service	Description	Additional note
IT coordination (remote)	<p>IT coordination/remote services:</p> <ul style="list-style-type: none">• Appointment for team meeting with IT contact person• Explanation of and information on the TECTIQ system in relation to IT• Coordination and documentation of the required IP addresses• Coordination and documentation of the desired online connections• optional: Support with firewall settings• Final documentation in digital form for use during commissioning	no service provision in the form of network or firewall settings



Service	Description	Additional note
Administrator software training (remote)	<p>Administrator software training (remote)</p> <p>Remote instruction via Teams session for administrators in the TECTIQ software, including</p> <ul style="list-style-type: none">• Login• Dashboard• System settings• Permissions management• Execution of jobs• Locking plan matrix	max. 3 hours no commissioning Training on and presentation of the software processes

OTHER SERVICES



Service	Description	Additional note
other service & support services (on-site/remote)	<p>Other service and support services:</p> <p>Appointment request with a service technician for other service and support services relating to a specific project. Based on the information you have about the project, the next steps are discussed and any follow-up appointments are arranged</p>	Remote max. 3 hours On site full days only

WAPPLOXX PRO PLUS

WAPPLOXX
PRO PLUS

wAppLoxx Pro Plus is the ideal solution for equipping commercial properties and public institutions that want to manage access digitally and react quickly to permission changes and transponder losses at any time. With the integration of intruder alarm systems and IP cameras, wAppLoxx Pro Plus also offers many advantages across all trades.

The wAppLoxx Pro Plus app also offers the ideal opportunity to turn your smartphone into a key or to control access remotely.

wAppLoxx Pro Plus opens the door to larger projects: in terms of system scope, functionality and flexibility, wAppLoxx Pro Plus is the platform for your customised access solution – for up to 160 doors and 1,000 users in one system.

All wAppLoxx Pro cylinders and other wAppLoxx Pro components are fully compatible with the wAppLoxx Pro Control Plus system control.

With grey or black stripe on the outer cap:
timelessly elegant wAppLoxx Pro cylinders fit any door.

SYSTEM COMPONENTS

WAPPLOXX PRO PLUS

FUNCTIONALITY MEETS FLEXIBILITY

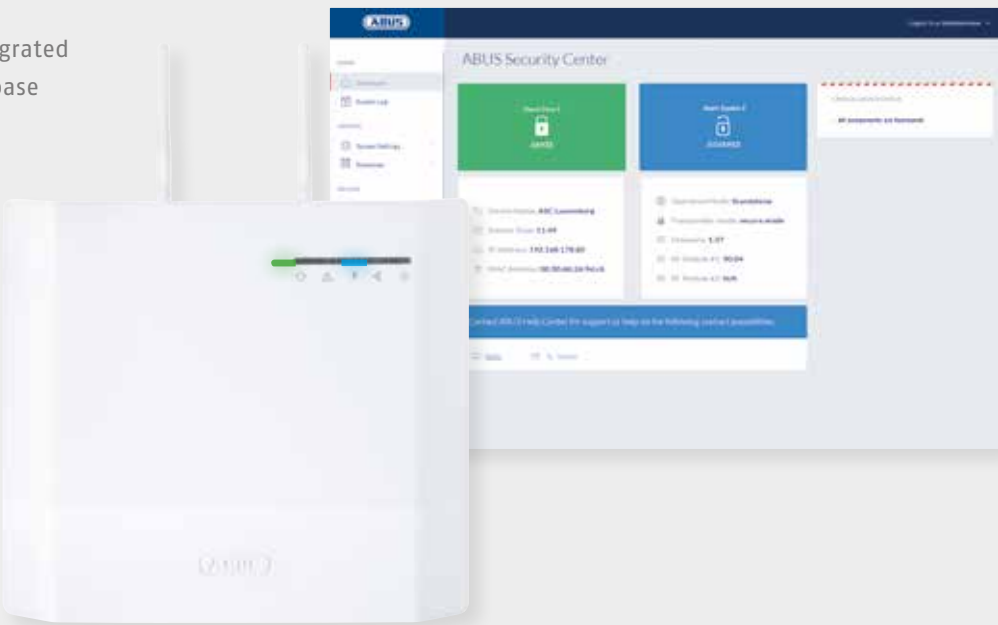
Meets the requirements of medium-sized and larger companies: the innovative, wirelessly networked all-in-one solution consisting of high-quality wAppLoxx Pro door cylinders and intuitive software. With simple locking rights management and app access, networked with alarm and video.



DOOR CYLINDER:
robust & flexible use

ACCESS CONTROL & MANAGER-SOFTWARE:

System control with integrated software and local database



WALL READER:

Control of electronic door openers, barriers & gates



RFID LOCKING MEDIA:

Robust chip keys, transponder cards & combination keys

WAPPLOXX PRO PLUS APP:

The mobile phone as a locking medium;
Open doors while out and about

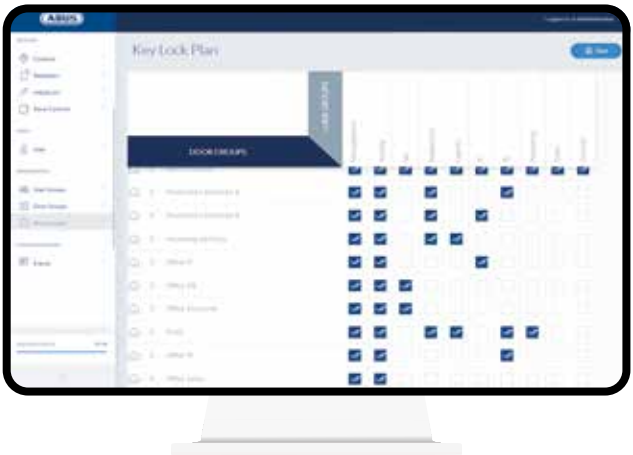
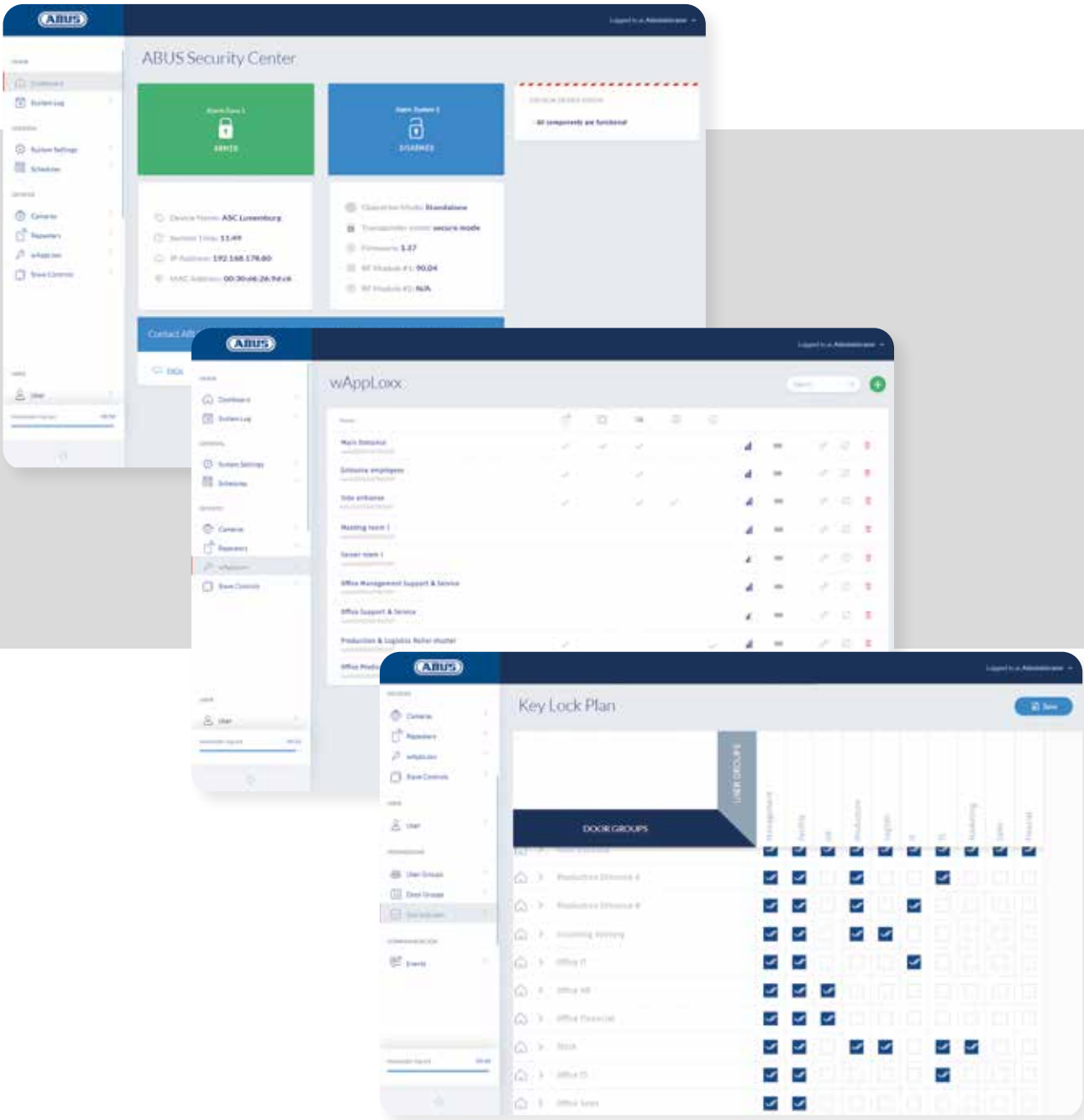


MANAGEMENT-SOFTWARE

WAPPLOXX PRO PLUS

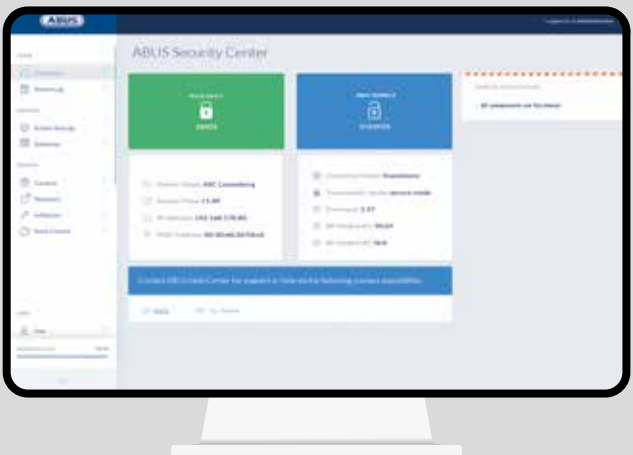
FAST AND SECURE ACCESS MANAGEMENT

The high-performance software is used to set up, manage and maintain the system. It handles commands and rights changes at the touch of a button – for efficient, time-saving use. The free software can be run on any number of PCs and saves you a lot of time, money and worry as the owner, administrator or user of the system. Lost keys, for example, are blocked with just a few clicks; changes are made to all door components via wireless transmission in a matter of seconds.



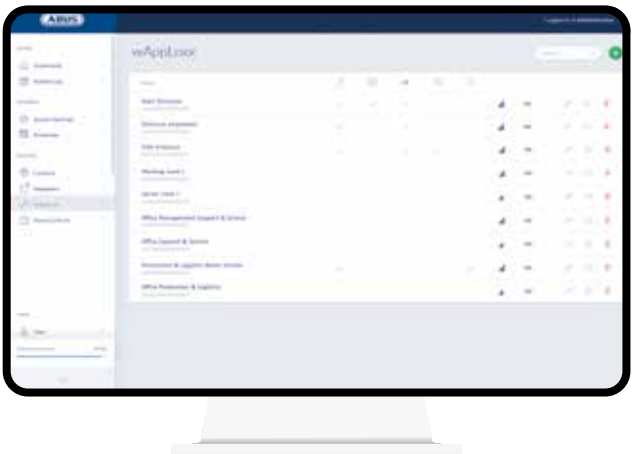
KEY PLAN MATRIX

The intuitive overview allows locking permissions to be assigned quickly. Doors, users and schedules are combined into logical access groups, e.g. “shift worker”, “external cleaner”, etc.



DASHBOARD

The administrator has a complete overview of the locking system in the dashboard. This means the administrator is informed about all components, their status and maintenance condition and can recognise any need for action immediately.



DOOR COMPONENTS

The highly flexible system and grouping ensure an optimum overview of all persons and departments. And assigning permissions is quick and easy using “drag & drop”.

NETWORKING

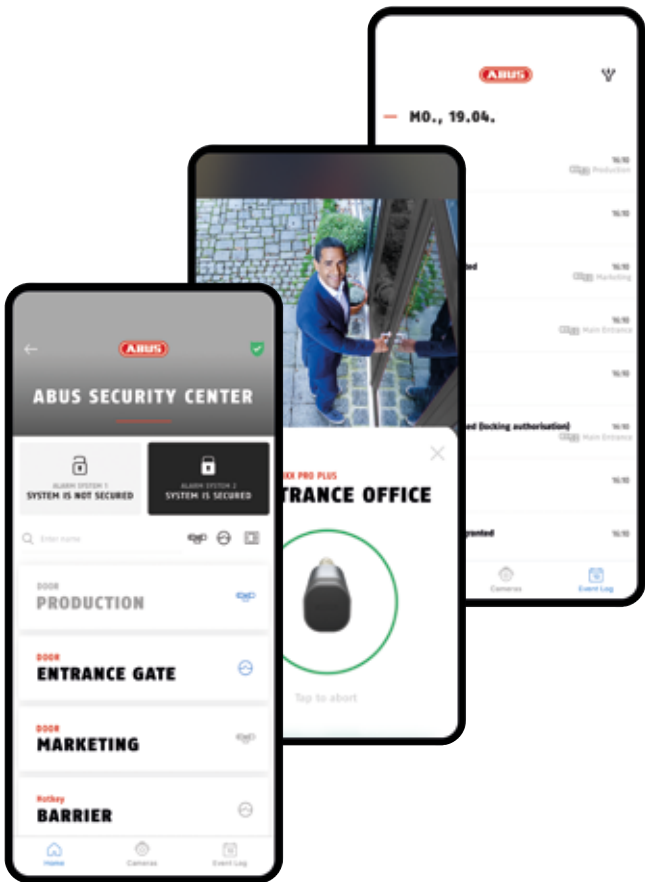
WAPPLOXX PRO PLUS

SMARTPHONE APP

Mobile and flexible: authorised users use the smartphone as a locking medium to open doors – without a transponder, without a card. Doors can also be released while on the go, e.g. for delivery persons. It is also possible to operate alarm systems and cameras (live image).

Smart and easy to use thanks to automatic saving of favourites and fast connection setup. At the same time, the encrypted communication to the control ensures the highest level of data security.

- Locking medium: release door via smartphone – directly to wAppLoxx Pro door components or by remote access
- Automatic favourites (frequent use) and fast connection setup for efficient working and maximum operating convenience
- Display of live images from integrated cameras, incl. snapshot function
- Arming and disarming of connected intruder alarm systems – inevitability principle for prevention of false alarms
- Access to all logbook entries and simple export (optional setting)
- App can be individually personalised with your own pictures and labels
- Secure peer-to-peer connection (P2P) and encrypted local connection (Secure LAN Connection) for protected communication



INTRUDER ALARM SYSTEMS

Up to two alarm or intruder alarm systems can be integrated into a wAppLoxx Pro Plus system. This not only controls access to the building, but also the alarm system.

The advantages: convenient operation of the alarm system when entering and leaving the building, without the secured area being entered unintentionally (inevitability principle). This provides effective protection against operating errors and the resulting false alarms. In addition, authorised users have the option of operating the intruder alarm system remotely via app.

Installation is simple: the intruder alarm system is connected to the wAppLoxx Pro Control Plus via wired connection. The permissions for activation/deactivation (switching on/off) are assigned in the Software Manager.




CAMERA INTEGRATION

Keep an eye on who enters and leaves with video verification, and confirm and log access via video image. If an employee enters a sensitive area (e.g. server room), the camera starts recording or sends a snapshot. The live images from the cameras can also be accessed at any time.

From the efficient entry-level camera to the professional model with 4K resolution: Selected ABUS IP cameras with alarm function work perfectly with the wAppLoxx Pro Plus system. Up to 10 cameras can be integrated per system. All you need to do is create the local connection data in the wAppLoxx Pro Plus Manager.






wAppLoxx Pro Plus App

GET IT ON Google Play

Download on the App Store

Access, alarm system
and video surveillance:
the wAppLoxx Pro Plus app



SYSTEM DESIGN

WAPPLOXX PRO PLUS

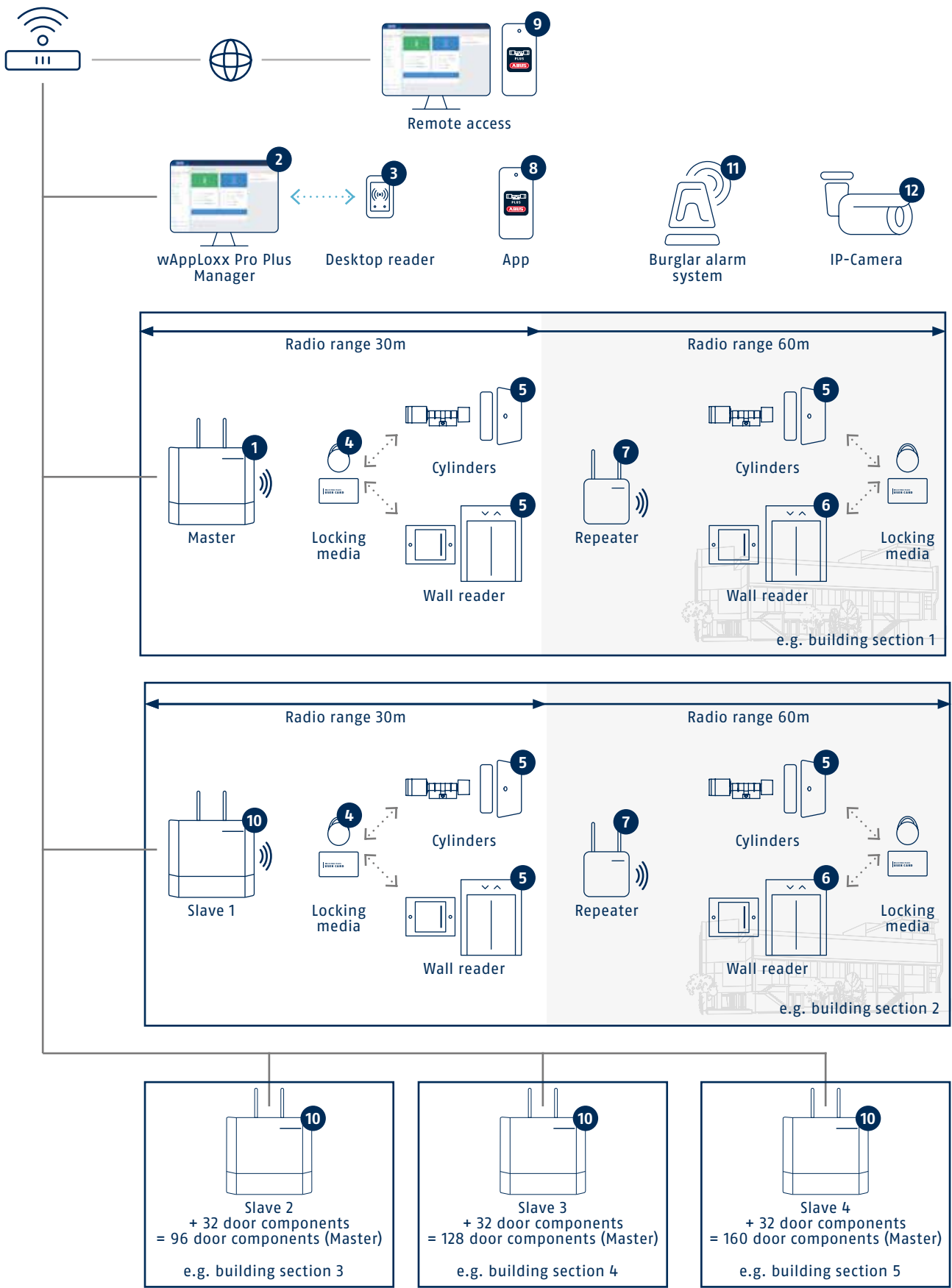
UPDATE PERMISSIONS IN REAL TIME

With the integrated software, the wAppLoxx Pro Plus Manager **2**, you can manage your system conveniently and efficiently. Consisting of up to five control units that work together in a master-slave configuration (basic system **1** + four additional controls **10**). The radio-based system optimally covers all parts of the building with the controls (each for 32 door components **5**, expandable by six repeaters **7** in each case), which can be freely placed on the premises. Whether in the local network or via remote access – all door components, permissions, alarm systems and IP cameras are managed in the software. Depending on permission, users can also release doors on the spot or on the go using the mobile phone app **8**.

- 1** Master Control
- 2** Access in the local network via wAppLoxx Pro Plus Manager
- 3** Desktop reader with USB connection
- 4** Locking media
- 5** Door cylinder
- 6** Wall reader
- 7** Repeater
- 8** wAppLoxx Pro Plus App (iOS/Android)
- 9** Online remote access via wAppLoxx Pro Plus Manager oder App
- 10** Slave Controls
- 11** Burglar alarm systems
- 12** IP-Cameras

Key:

- LAN
- Internet
- USB
- Data transfer



CONFIGURATION
WAPPLOXX PRO CYLINDER

WLX-PRO - LA - I - A30I30 - Y10 - ES - EQ

1 VARIANTS

LA	Reader outside, with inside knob 3	
LA-OI	Reader outside, without inside knob 3	
LA-P	Reader outside, panic, with inside knob	
LB	Reader both sides 3	
HZ	Halfcylinder	
LA-S-T90	Reader outside, special variant, T90 3	
LA-P-T90	Reader outside, panic, with inside knob, T90	
CH-LA	Swiss round profile (CH), reader outside, with inside knob	
CH-LB	Swiss round profile (CH), reader both sides	
CH-HZ	Swiss round profile (CH), halfcylinder	

2 ELEKTRONIC

A	Access (included in basic cylinder)
I	Inrusion

3 LENGTH

WLX-Pro-LA, LA-OI, LA-P, LB	A 30mm - 90mm	I 30mm - 90mm
WLX-Pro-HZ	A 30mm - 60mm	I 10mm
WLX-Pro-LA-S-T90, LA-P-T90	A 30mm - 90mm	I 35mm - 90mm
WLX-Pro-CH-LA, CH-LB	A 32.5mm - 52.5mm	I 32.5mm - 52.5mm
WLX-Pro-CH-HZ	A 32.5mm - 52.5mm	I 11mm

4 DRILLING PROTECTION/OPZ1

STD	Standard (included in basic cylinder)
SEC	Security 2
Y10	Security OPZ 10 2

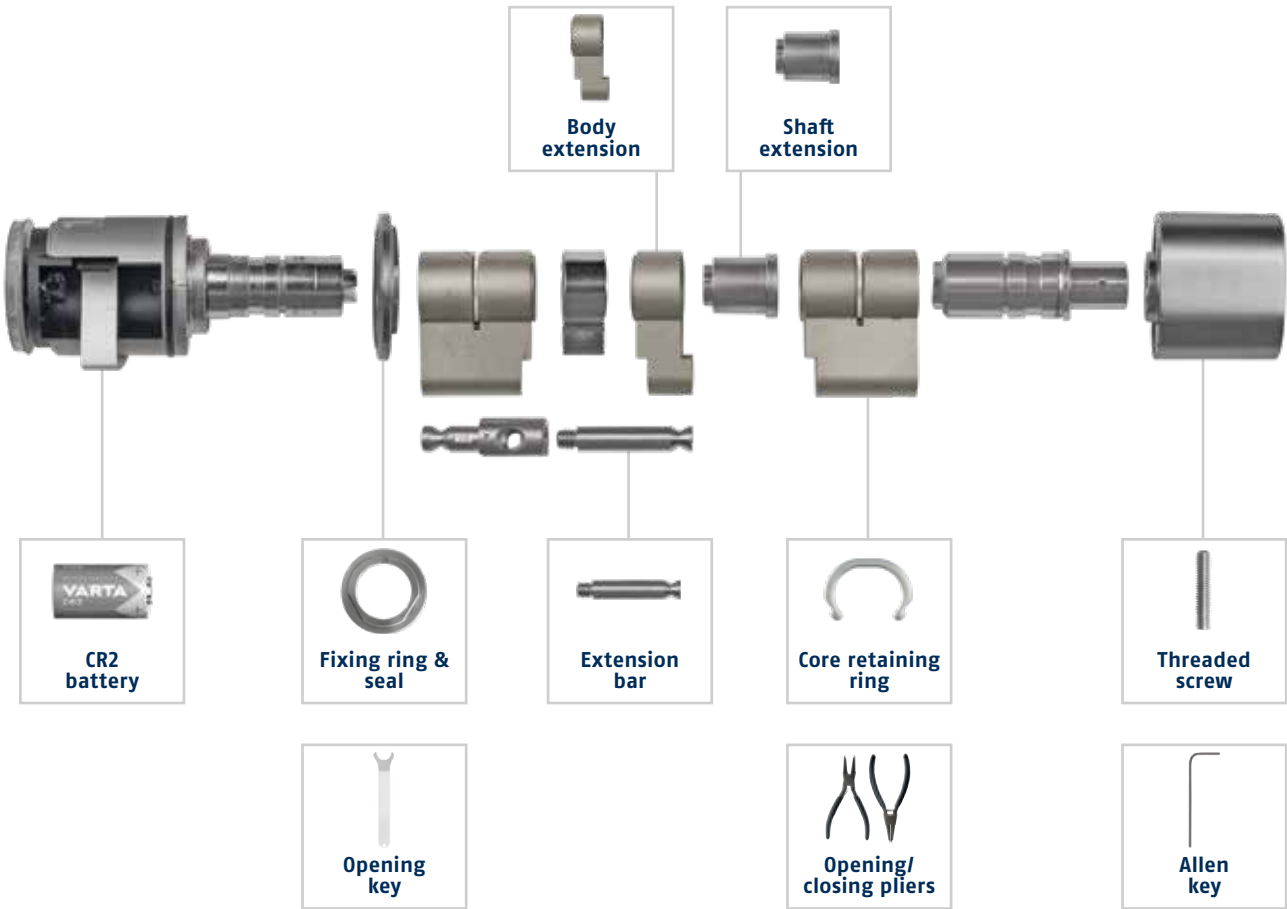
5 OUTSIDE KNOB

ES	Stainless steel black square	
EG	Stainless steel grey square	
RS	Stainless steel black Round	

6 INSIDE KNOB

SQ	Stainless steel square	
ES	Stainless steel narrow	
FQ	FLI stainless steel square 3	
FS	FLI Stainless steel narrow 3	

CYLINDER STRUCTURE



1oPZ: Special version of the axle for use in fittings with cylinder protection 2SKG*** 3FZG authorised

WAPPLOXX PRO CYLINDER



Item number	WLX-PRO-LA	WLX-PRO-LA-OI
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Description	WLX Pro double knob cylinder, reader outside	WLX Pro double knob cylinder, reader outside without inner knob
	<ul style="list-style-type: none">• Electronic double knob cylinder with Mifare reader: Read protected wireless connection between transponder and cylinder (Mifare Desfire EV1 in secure mode)• Individual length adjustment of up to 90 mm each side with extension modules• Encrypted AES 128 bit data transfer between all components• Logging of cylinder operation• High manipulation resistance with extra-reinforced drilling and pulling protection• Weather-resistant as per IP 67• A range of design options thanks to wide selection of colours and knobs• The status of the cylinder battery can be checked at any time via web or app• Activation/deactivation of connected alarm systems	<ul style="list-style-type: none">• Electronic WLX PRO double knob cylinder without inside knob for secure, simple and flexible installation on a wide range of doors with the requirement to prevent locking from the inside.• High-quality cylinder (RFID reader outside) with stainless steel outside knob and continuous stainless steel look, in a discreet, puristic design line; highly weather-resistant in the standard version (IP67);• WLX PRO cylinder with RFID reader for secure, readout-protected Data exchange with WLX PRO locking media (MIFARE® DESFire®); with free-running exterior knob: no access without authentication• Elegant design in different Design variants to match the style of your building thanks to different colours and knobs• Suitable for any door leaf thickness: cylinder length can be individually adjusted from 30 to 90 mm on each side thanks to the modular extension concept (length of the configured cylinder can still be adjusted on site)• Replace the cylinder instead of the fitting set: convert a mechanical to an electronic cylinder at a favourable price and integrate the door into the WLX PRO locking system (simple cylinder replacement using a screw)

Item abbreviation	WLX-PRO-LA	WLX-PRO-LA-OI
Dimensions	External knob: L = 48 mm, Ø = 38 mm, internal knob: L = 27 mm, Ø = 33 mm	knob: L = 48 mm, Ø = 38 mm
Variants	Drilling protection standard/security, core pull protection extension	Drilling protection standard/security, core pull protection extension
Drill protection	Standard Security (SKG***/EN 15684 clause 8 class D)	Standard Security (SKG***/EN 15684 clause 8 class D)
Axis length	60 - 180 mm	-
Colour	Outer knob: brushed stainless steel black or grey Inner knob: brushed stainless steel Cylinder body: brushed stainless steel	Outer knob: brushed stainless steel black or grey Inner knob: brushed stainless steel Cylinder body: brushed stainless steel
Protection class IP Outdoor	67	67
Battery - type	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206
Number of cycles/battery	At 20 °C (room temperature): up to 45,000 cycles or 3.5 years if not actuated	At 20 °C (room temperature): up to 45,000 cycles or 3.5 years if not actuated
Signalling	Visual	Visual
Electronics	Access, Intrusion	Access, Intrusion
Encryption	AES 128-Bit	AES 128-Bit
Locking media	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
Max. number of locking media	10 fallback transponders	10 fallback transponders
Programming	Programming/system management via WLX Pro Control Plus	Programming/system management via WLX Pro Control Plus
Radio frequency	868.3 MHz	868.3 MHz
Wireless range	Indoors: 30 m, outdoors: 100 m	Indoors: 30 m, outdoors: 100
Certifications	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)
Scope of delivery	1 x TECTIQ double knob cylinder, reader outside • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw	1 x WLX PRO double knob cylinder, reader outside without inner knob • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw
Required accessories	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder) • ACC016000 WLX Pro Control Plus	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder) • ACC016000 WLX Pro Control Plus
Recommended accessories	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro) • ACTP000085 ABUS Transponder Advanced black MIFARE DESFire EV3 8K (Security)	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro) • ACTP000085 ABUS Transponder Advanced black MIFARE DESFire EV3 8K (Security)



Item number	WLX-PRO-LA-S-T90	WLX-PRO-LA-P
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Description	WLX Pro double knob cylinder reader outside - special version T90	WLX Pro Double-knob cylinder, panic
	<ul style="list-style-type: none">• Electronic wAppLoxx Pro double knob cylinder for secure yet simple and flexible installation on T90 fire doors• High-quality T90 double knob cylinder (reader outside) with stainless steel outside knob and continuous stainless steel look, in a discreet, purist design line; highly weather-resistant in the standard version (IP67)• wAppLoxx Pro cylinder with RFID reader for secure, readout-protected Data exchange with wAppLoxx Pro locking media (MIFARE® DESFire®); with free-running exterior knob: no access without authentication• Elegant design in different Design variants to match the style of your building thanks to different colours and knobs• Suitable for any door leaf thickness: cylinder length can be individually adjusted from 30 to 90 mm on each side thanks to the modular extension concept (length of the configured cylinder can still be adjusted on site)• Replace the cylinder instead of the fitting set: convert a mechanical to an electronic cylinder at a favourable price and integrate the door into the wAppLoxx Pro locking system (simple cylinder replacement using a screw)	<ul style="list-style-type: none">• Electronic double knob cylinder with Mifare reader: Read protected wireless connection between transponder and cylinder (Mifare Desfire EV1 in secure mode)• Individual length adjustment with extension modules and shaft extensions (hardened) up to 90 mm per side• Encrypted AES 128 bit data transfer between all components• Logging of cylinder operation• High manipulation resistance with extra-reinforced drilling and pulling protection• Weather-resistant as per IP 67• A range of design options thanks to wide selection of colours and knobs• The status of the cylinder battery can be checked at any time via web or app• Activation/deactivation of connected alarm systems• Panic function: for locks with defined locking nose position (as per EN 179 and EN 1125)

Item abbreviation	WLX-PRO-LA-S-T90	WLX-PRO-LA-P
Dimensions	External knob: L = 48 mm, Ø = 38 mm, internal knob: L = 27 mm, Ø = 33 mm	External knob: L = 48 mm, Ø = 38 mm, internal knob: L = 27 mm, Ø = 33 mm
Variants	Drilling protection standard/security, core pull protection extension	Drilling protection standard/security, core pull protection extension
Drill protection	Standard Security (SKG***/EN 15684 clause 8 class D)	Standard Security (SKG***/EN 15684 clause 8 class D)
Axis length	65 - 180	60 - 180 mm
Colour	Outer knob: brushed stainless steel black or grey Inner knob: brushed stainless steel Cylinder body: brushed stainless steel	Outer knob: brushed stainless steel black or grey Inner knob: brushed stainless steel Cylinder body: brushed stainless steel
Protection class IP Outdoor	67	67
Battery - type	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206
Number of cycles/battery	At 20 °C (room temperature): up to 45,000 cycles or 3.5 years if not actuated	At 20 °C (room temperature): up to 45,000 cycles or 3.5 years if not actuated
Signalling	Visual	Visual
Electronics	Access, Intrusion	Access, Intrusion
Encryption	AES 128-Bit	AES 128-Bit
Locking media	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
Max. number of locking media	10 fallback transponders	10 fallback transponders
Programming	Programming/system management via WLX Pro Control Plus	Programming/system management via WLX Pro Control Plus
Radio frequency	868.3 MHz	868.3 MHz
Wireless range	Indoors: 30 m, outdoors: 100	Indoors: 30 m, outdoors: 100 m
Certifications	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)
Scope of delivery	1 x TECTIQ double knob cylinder, reader outside T90 • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ double knob cylinder, reader outside panic • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw
Required accessories	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder) • ACC016000 WLX Pro Control Plus	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder) • ACC016000 WLX Pro Control Plus
Recommended accessories	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro) • ACTP000085 ABUS Transponder Advanced black MIFARE DESFire EV3 8K (Security)	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro) • ACTP000085 ABUS Transponder Advanced black MIFARE DESFire EV3 8K (Security)



Item number	WLX-PRO-LA-P-T90	WLX-PRO-LB
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Description	WLX Pro Double-knob cylinder, panic - special version T90	WLX Pro double knob cylinder, reader both sides
	<ul style="list-style-type: none">• Electronic wAppLoxx Pro double knob cylinder for secure yet simple and flexible installation on T90 fire doors that require a defined reset of the lock cam in accordance with EN 179/1125.• High-quality T90 panic cylinder (reader outside) with stainless steel outside knob and continuous stainless steel look, in a discreet, purist design line; highly weather-resistant in the standard version (IP67)• wAppLoxx Pro cylinder with RFID reader for secure, readout-protected Data exchange with wAppLoxx Pro locking media (MIFARE® DESFire®); with free-running exterior knob: no access without authentication• Elegant design in different Design variants to match the style of your building thanks to different colours and knobs• Suitable for any door leaf thickness: cylinder length can be individually adjusted from 30 to 90 mm on each side thanks to the modular extension concept (length of the configured cylinder can still be adjusted on site)• Replace the cylinder instead of the fitting set: convert a mechanical to an electronic cylinder at a favourable price and integrate the door into the wAppLoxx Pro locking system (simple cylinder replacement using a screw)	<ul style="list-style-type: none">• Electronic double knob cylinder with Mifare reader: Read protected wireless connection between transponder and cylinder (Mifare Desfire EV1 in secure mode)• Additional double-sided reader for individually adjustable access authorisations• Individual length adjustment of up to 90 mm each side with extension modules• Encrypted AES 128 bit data transfer between all components• Logging of cylinder operation• High manipulation resistance with extra-reinforced drilling and pulling protection• Weather-resistant as per IP 67• A range of design options thanks to wide selection of colours and knobs• The status of the cylinder battery can be checked at any time via web or app• Activation/deactivation of connected alarm systems

Item abbreviation	WLX-PRO-LA-P-T90	WLX-PRO-LB
Dimensions	External knob: L = 48 mm, Ø = 38 mm, internal knob: L = 27 mm, Ø = 33 mm	knob: L = 48 mm, Ø = 38 mm
Variants	Drilling protection standard/security, core pull protection extension	Drilling protection standard/security, core pull protection extension
Drill protection	Standard Security (SKG***/EN 15684 clause 8 class D)	Standard Security (SKG***/EN 15684 clause 8 class D)
Colour	Outer knob: brushed stainless steel black or grey Inner knob: brushed stainless steel Cylinder body: brushed stainless steel	knob: brushed stainless steel black or grey Cylinder body: brushed stainless steel
Protection class IP Outdoor	67	67
Battery - type	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206
Number of cycles/battery	At 20 °C (room temperature): up to 45,000 cycles or 3.5 years if not actuated	At 20 °C (room temperature): up to 45,000 cycles or 3.5 years if not actuated
Signalling	Visual	Visual
Electronics	Access, Intrusion	Access, Intrusion
Encryption	AES 128-Bit	AES 128-Bit
Locking media	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
Max. number of locking media	10 fallback transponders	10 fallback transponders
Programming	Programming/system management via WLX Pro Control Plus	Programming/system management via WLX Pro Control Plus
Radio frequency	868.3 MHz	868.3 MHz
Wireless range	Indoors: 30 m, outdoors: 100	Indoors: 30 m, outdoors: 100 m
Certifications	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)
Scope of delivery	1 x TECTIQ double knob cylinder, reader outside panic T90 • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ double knob cylinder, reader both sides • 2 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw
Required accessories	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder) • ACC016000 WLX Pro Control Plus	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder) • ACC015000 WLX Pro Control • ACC016000 WLX Pro Control Plus
Recommended accessories	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro) • ACTP00008S ABUS Transponder Advanced black MIFARE DESFire EV3 8K (Security)	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro) • ACTP00008S ABUS Transponder Advanced black MIFARE DESFire EV3 8K (Security)



Item number	WLX-PRO-HZ	ACPD00005
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Description	WLX Pro Half cylinder	wAppLoxx Pro padlock 86TI/55 – black
	<ul style="list-style-type: none">• Electronic knob cylinder with Mifare reader: Read protected wireless connection between transponder and cylinder (Mifare Desfire EV1 in secure mode)• Individual length adjustment with extension modules up to 60 mm• Encrypted AES 128 bit data transfer between all components• Logging of cylinder operation• High manipulation resistance with extra-reinforced drilling and pulling protection• Weather-resistant as per IP 67• A range of design options thanks to wide selection of colours and knobs• The status of the cylinder battery can be checked at any time via web or app• Activation/deactivation of connected alarm systems	<ul style="list-style-type: none">• Electronic padlocks for securing machines, cupboards, package boxes, doors, gates, etc.• For use in combination with the electronic locking system wAppLoxx Pro• Sturdy design suitable for use in outdoor areas (IP67)• Control and programming via transponder, web and app• Padlock: ABUS Titantium 86TI/55• Reader cap colour: black

Item abbreviation	WLX-PRO-HZ	WLX-PRO-VH-86TI-55-S
Dimensions	knob: L = 48 mm, Ø = 38 mm	55 x 56 x 27 mm
Variants	Drilling protection standard/security	Europrofile
Drill protection	Standard Security (SKG***/EN 15684 clause 8 class D)	Standard
Axis length	30 - 60 mm	-
Colour	knob: brushed stainless steel black or grey Cylinder body: brushed stainless steel	Reader cap: black
IP protection class outside	67	67
Battery - type	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA CR2 / CR17355 3V Lithium Battery
Number of cycles/battery	At 20 °C (room temperature): up to 45,000 cycles or 3.5 years if not actuated	45.000
Signaling	Visual	Optical
Electronics	Access, Intrusion	Access
Encryption	AES 128-Bit	AES-128 Bit
Locking media	MIFARE® DESFire® EV1, EV2, EV3	ABUS Mifare Desfire EV1
Max. number of locking media	10 fallback transponders	500 authorisations, 10 fallback transponders
Programming	Programming/system management via WLX Pro Control Plus	Programming/system management via WLX Pro Control
Radio frequency	868.3 MHz	868.3 MHz
Wireless range	Indoors: 30 m, outdoors: 100 m	Indoors: 30 m, outdoors: 100 m
Certifications	EN 15684:2020 1-6-B-4-x-D-4-A/D, optional SKG*** (with Security drilling protection)	-
Scope of delivery	1 x TECTIQ half cylinder • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw	1 x wAppLoxx Pro padlock 86TI/55 – black • 1 x Quick Guide • 1 x VARTA CR2 / CR17355 3V Lithium Battery
Required accessories	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder) • ACC016000 WLX Pro Control Plus	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder) • ACC015000 WLX Pro Control • ACC016000 WLX Pro Control Plus
Recommended accessories	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro) • ACTP00008S ABUS Transponder Advanced black MIFARE DESFire EV3 8K (Security)	ACWZ00001 Tool set for cylinder extension (TECTIQ/WLX Pro) • ACTP00001 ABUS coloured locking media (5-pc set) MIFARE DESFire EV1 4K (Security)













WAPPLOXX PRO CYLINDER ROUND PROFILE SWISS

			
Item number	WLX-PRO-CH-LA	WLX-PRO-CH-LB	WLX-PRO-CH-HZ























Description	WLX Pro double knob cylinder, reader outside CH	WLX Pro double knob cylinder, reader both sides CH	WLX Pro half cylinder CH
	<ul style="list-style-type: none">• Electronic wAppLoxx Pro double knob cylinder (Switzerland round) for secure, simple and flexible installation on almost all doors (solid leaf, profile frame, timber, aluminium, steel, plastic)• High-quality cylinder (RFID reader outside) with stainless steel outside knob and continuous stainless steel look, in a discreet, purist design line; highly weather-resistant in the standard version (IP67)• wAppLoxx Pro cylinder with RFID reader for secure, readout-protected Data exchange with wAppLoxx Pro locking media (MIFARE® DESFire®); with free-running exterior knob: no access without authentication• Elegant design in different Design variants to match the style of your building thanks to different colours and knobs	<ul style="list-style-type: none">• Electronic wAppLoxx Pro double knob cylinder (Switzerland round) for secure, simple and flexible installation on almost all connecting doors (solid leaf, profile frame, timber, aluminium, steel, plastic)• High-quality cylinder (RFID reader on both sides) with stainless steel outside knob and continuous stainless steel look, in a discreet, purist design line; highly weather-resistant in the standard version (IP67)• wAppLoxx Pro cylinder with RFID reader for secure, readout-protected Data exchange with wAppLoxx Pro locking media (MIFARE® DESFire®); with free-running exterior knob: no access without authentication• Elegant design in different Design variants to match the style of your building thanks to different colours and knobs	<ul style="list-style-type: none">• Electronic wAppLoxx Pro Half cylinder (Switzerland round) for secure yet simple and flexible installation on doors (e.g. single-sided profile cylinder perforation), key switches or garage doors• High-quality finish Half cylinder with stainless steel outside knob and continuous stainless steel look, in a discreet purist design line; highly weather-resistant in the standard version (IP67)• wAppLoxx Pro cylinder with RFID reader for secure, readout-protected Data exchange with wAppLoxx Pro locking media (MIFARE® DESFire®); with free-running exterior knob: no access without authentication• Elegant design in different Design variants to match the style of your building thanks to different colours and knobs
Item abbreviation	WLX-PRO-CH-LA	WLX-PRO-CH-LB	WLX-PRO-CH-HZ
Dimensions	External knob: L = 48 mm, Ø = 38 mm, internal knob: L = 27 mm, Ø = 33 mm	knob: L = 48 mm, Ø = 38 mm	knob: L = 48 mm, Ø = 38 mm
Variants	-	-	-
Drill protection	Security (EN 15684 Ziffer 8 Klasse D)	Security (EN 15684 Ziffer 8 Klasse D)	Security (EN 15684 Ziffer 8 Klasse D)
Colour	Outer knob: brushed stainless steel black or grey Inner knob: brushed stainless steel Cylinder body: brushed stainless steel	knob: brushed stainless steel black or grey Cylinder body: brushed stainless steel	knob: brushed stainless steel black or grey Cylinder body: brushed stainless steel
Protection class IP Outdoor	67	67	67
Battery - type	VARTA Lithium battery 3V CR2/ CR15H270/6206	VARTA Lithium battery 3V CR2/ CR15H270/6206	VARTA Lithium battery 3V CR2/ CR15H270/6206
Number of cycles/battery	At 20 °C (room temperature): up to 45,000 cycles or 3.5 years if not actuated	At 20 °C (room temperature): up to 45,000 cycles or 3.5 years if not actuated	At 20 °C (room temperature): up to 45,000 cycles or 3.5 years if not actuated
Signalling	Visual	Visual	Visual
Electronics	Access, Intrusion	-	Access, Intrusion
Encryption	AES 128-Bit	AES 128-Bit	AES 128-Bit
Locking media	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
Max. number of locking media	10 fallback transponders	10 fallback transponders	10 fallback transponders
Programming	Programming/system management via WLX Pro Control Plus	Programming/system management via WLX Pro Control Plus	Programming/system management via WLX Pro Control Plus
Radio frequency	868.3 MHz	868.3 MHz	868.3 MHz
Wireless range	Indoors: 30 m, outdoors: 100	Indoors: 30 m, outdoors: 100	Indoors: 30 m, outdoors: 100
Certifications	EN 15684:2020 1-6-B-4-x-D-4-A/D	EN 15684:2020 1-6-B-4-x-D-4-A/D	EN 15684:2020 1-6-B-4-x-D-4-A/D
Scope of delivery	1 x TECTIQ double knob cylinder, reader outside CH • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ double knob cylinder, reader both sides CH • 2 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ half cylinder CH • 1 x VARTA Lithium battery 3V CR2 • 1 x Quick Guide • 1 x Fixing screw
Required accessories	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder) • ACC016000 WLX Pro Control Plus	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder) • ACC016000 WLX Pro Control Plus	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder) • ACC016000 WLX Pro Control Plus
Recommended accessories	ACTP00008S ABUS Transponder Advanced black MIFARE DESFire EV3 8K (Security)	ACTP00008S ABUS Transponder Advanced black MIFARE DESFire EV3 8K (Security)	ACTP00008S ABUS Transponder Advanced black MIFARE DESFire EV3 8K (Security)

WAPPLOXX PRO CYLINDERS ACCESSORIES

General cylinder accessories

Item no.	Description	Discount group	Additional information
 ACWZ00001	Tool set for cylinder extension (TECTIQ/WLX Pro)		includes: Opening pliers, locking pliers, opening key, 2x hexagon socket
 ACWZ00002	Tool set for battery exchange (TECTIQ/WLX Pro cylinder)		includes: Opening key, hexagon socket
 ACAC00075	Varta CR2 3V battery - set of 10 (TECTIQ/WLX Pro cylinder)		Battery management this battery
 ACAC00042	Core retaining ring 10pc (TECTIQ/WLX Pro cylinder)		Spare part for length adjustments, Replacement of the electronic knob
 ACAC00056	Electronic Screws 8pcs (TECTIQ/WLX Pro cylinder)		As a spare part for mounting from the inside
 ACAC00010	Dismantling Kit 30 mm (TECTIQ/WLX Pro cylinder)		Reconstruct cylinder to A30 or I30

Cylinder spare parts

Item no.	Description	Discount group	Additional information
 ACET00016	WLX Pro eletronic knob with motor Standard Access (spare part)		
 ACET00017	WLX Pro eletronic knob with motor Standard Intrusion (spare part)		
 ACET00018	WLX Pro eletronic knob with motor Security Access (spare part)		
 ACET00019	WLX Pro eletronic knob with motor Security Intrusion (spare part)		
 ACET00025	WLX Pro eletronic knob neck extension 10mm with motor SEC Access (spare part)		
 ACET00026	WLX Pro eletronic knob neck extension 10mm with motor SEC Intrusion (spare part)		
 ACET00008	Outer Cap black (TECTIQ/WLX Pro cylinder)		
 ACET00010	Outer Cap grey (TECTIQ/WLX Pro cylinder)		
 ACET00020	Outer Cap round/black (TECTIQ/WLX Pro cylinder)		
 ACET00011	Inner Knob Cube (TECTIQ/WLX Pro cylinder)		
 ACET00012	Inner Knob Narrow (TECTIQ/WLX Pro cylinder)		

Cylinder shaft extension, aluminum Alu WLX Pro

<ul style="list-style-type: none">• For use on the inside and outside of the cylinder• Hardened shaft extension
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Item no.	Description	Discount group	Additional information
 ACAC00003	Extension aluminum 5mm (TECTIQ/WLX Pro cylinder)		Spare part for locks with high force effect
 ACAC00004	Extension aluminum 10mm (TECTIQ/WLX Pro cylinder)		Spare part for locks with high force effect
 ACAC00005	Extension aluminum 15mm (TECTIQ/WLX Pro cylinder)		Spare part for locks with high force effect
 ACAC00006	Extension aluminum 30mm (TECTIQ/WLX Pro cylinder)		Spare part for locks with high force effect

Legend:



wAppLoxx Pro program



























Accessories

all product images are exemplary images


Cylinder extension sets inside for WLX Pro

WLX-PRO-LA WLX-PRO-LA-P WLX-PRO-LA-P-T90	WLX-PRO-LA-S-T90 WLX-PRO-LB	Scope of delivery: 1-3x body lengthening/s 1-3x shaft extension/s 1x inner extension bar 2x core holder rings
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Item no.	Description	Discount group	Additional information
 ACAC00028	Extension set, internal 5 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00029	Extension set, internal 10 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00030	Extension set, internal 15 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00031	Extension set, internal 20 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00032	Extension set, internal 25 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00033	Extension set, internal 30 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00034	Extension set, internal 35 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00035	Extension set, internal 40 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00036	Extension set, internal 45 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00037	Extension set, internal 50 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00038	Extension set, internal 55 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00039	Extension set, internal 60 mm (TECTIQ/WLX Pro cylinder)		

























Half cylinder extension set for WLX Pro

WLX-PRO-HZ	Scope of delivery: 1-2x body lengthening/s 1-2x shaft extension/s	1x extension bar half cylinder 1x core holder ring 2x fixing screw
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Item no.	Description	Discount group	Additional information
 ACAC00060	Extension set, half cylinder 5 mm (TECTIQ/WLX Pro)		
 ACAC00061	Extension set, half cylinder 10 mm (TECTIQ/WLX Pro)		
 ACAC00062	Extension set, half cylinder 15 mm (TECTIQ/WLX Pro)		
 ACAC00063	Extension set, half cylinder 20 mm (TECTIQ/WLX Pro)		
 ACAC00064	Extension set, half cylinder 25 mm (TECTIQ/WLX Pro)		
 ACAC00065	Extension set, half cylinder 30 mm (TECTIQ/WLX Pro)		

Cylinder extension sets outside for WLX Pro

WLX-PRO-LA WLX-PRO-LA-P WLX-PRO-LA-P-T90	WLX-PRO-LA-S-T90 WLX-PRO-LB	Scope of delivery: 1-3x body lengthening/s 1-3x shaft extension/s 1x external extension bar 2x core holder rings
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Item no.	Description	Discount group	Additional information
 ACAC00044	Extension set, external 5 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00045	Extension set, external 10 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00046	Extension set, external 15 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00047	Extension set, external 20 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00048	Extension set, external 25 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00049	Extension set, external 30 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00050	Extension set, external 35 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00051	Extension set, external 40 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00052	Extension set, external 45 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00053	Extension set, external 50 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00054	Extension set, external 55 mm (TECTIQ/WLX Pro cylinder)		
 ACAC00055	Extension set, external 60 mm (TECTIQ/WLX Pro cylinder)		

Legend:

wAppLoxx Pro program

Accessories

all product images are exemplary images

WAPPLOXX PRO PLUS WALL READER



Item number	ACSE00011	ACSE00012	ACSE00014
Description	WLX Pro Wall Reader-Set IP44 Access white	WLX Pro Wall Reader-Set IP44 Access black	WLX Pro Wall Reader-Set IP67 Access black
	<ul style="list-style-type: none">• Ideal for controlling electronic door and gate drives, door openers, lifts, barriers, rolling grilles, turnstiles• Wall Reader RFID reading unit with encrypted BUS connection to control unit (wAppLoxx Pro Bridge Box)• High manipulation resistance thanks to separation of reading and control unit	<ul style="list-style-type: none">• Ideal for controlling electronic door and gate drives, door openers, lifts, barriers, rolling grilles, turnstiles• Wall Reader RFID reading unit with encrypted BUS connection to control unit (wAppLoxx Pro Bridge Box)• High manipulation resistance thanks to separation of reading and control unit	<ul style="list-style-type: none">• Ideal for controlling electronic door and gate drives, door openers, lifts, barriers, rolling grilles, turnstiles• Wall Reader RFID reading unit with encrypted BUS connection to control unit (wAppLoxx Pro Bridge Box)• High manipulation resistance thanks to separation of reading and control unit
Item abbreviation	WLX-PRO-Set-WR-A-W	WLX-PRO-Set-WR-A-S	WLX-PRO-Set-WR-A-S-O
Scope of delivery	1 x wAppLoxx Pro Wall Reader IP44 white • 1 x wAppLoxx Pro Bridge Box Access • 1 x Gira TX44 frame white	1 x wAppLoxx Pro Wall Reader IP44 black • 1 x wAppLoxx Pro Bridge Box Access • 1 x Gira TX44 frame black	1 x wAppLoxx Pro Wall Reader IP67 black • 1 x wAppLoxx Pro Bridge Box Access
Required accessories	ACAC00058 International power supply 12V/3A	ACAC00058 International power supply 12V/3A	ACAC00058 International power supply 12V/3A



Item number	ACSE00019	ACSE00020	ACSE00026
Description	WLX Pro Wall Reader-Set IP44 Intrusion white	WLX Pro Wall Reader-Set IP44 Intrusion black	WLX Pro Wall Reader-Set IP67 Intrusion black
	<ul style="list-style-type: none">• Ideal for controlling electronic door and gate drives, door openers, lifts, barriers, rolling grilles, turnstiles• Wall Reader RFID reading unit with encrypted BUS connection to control unit (wAppLoxx Pro Bridge Box)• High manipulation resistance thanks to separation of reading and control unit	<ul style="list-style-type: none">• Ideal for controlling electronic door and gate drives, door openers, lifts, barriers, rolling grilles, turnstiles• Wall Reader RFID reading unit with encrypted BUS connection to control unit (wAppLoxx Pro Bridge Box)• High manipulation resistance thanks to separation of reading and control unit	<ul style="list-style-type: none">• Ideal for controlling electronic door and gate drives, door openers, lifts, barriers, rolling grilles, turnstiles• Wall Reader RFID reading unit with encrypted BUS connection to control unit (wAppLoxx Pro Bridge Box)• High manipulation resistance thanks to separation of reading and control unit
Item abbreviation	WLX-PRO-Set-WR-I-W	WLX-PRO-Set-WR-I-S	WLX-PRO-Set-WR-I-S-O
Scope of delivery	1 x wAppLoxx Pro Wall Reader IP44 white • 1 x wAppLoxx Pro Bridge Box Intrusion • 1 x Gira TX44 frame white	1 x wAppLoxx Pro Wall Reader IP44 black • 1 x wAppLoxx Pro Bridge Box Intrusion • 1 x Gira TX44 frame black	1 x wAppLoxx Pro Wall Reader IP67 black • 1 x wAppLoxx Pro Bridge Box Industrial Access
Required accessories	ACAC00058 International power supply 12V/3A	ACAC00058 International power supply 12V/3A	ACAC00058 International power supply 12V/3A



Item number	ACSE00021	ACSE00022	ACSE00028
Description	WLX Pro Wall Reader-Set IP44 Industrial Access white	WLX Pro Wall Reader-Set IP44 Industrial Access black	WLX Pro Wall Reader-Set IP67 Industrial Access black
	<ul style="list-style-type: none">• Ideal for controlling electronic door and gate drives, door openers, lifts, barriers, rolling grilles, turnstiles• Wall Reader RFID reading unit with encrypted BUS connection to control unit (wAppLoxx Pro Bridge Box)• High manipulation resistance thanks to separation of reading and control unit	<ul style="list-style-type: none">• Ideal for controlling electronic door and gate drives, door openers, lifts, barriers, rolling grilles, turnstiles• Wall Reader RFID reading unit with encrypted BUS connection to control unit (wAppLoxx Pro Bridge Box)• High manipulation resistance thanks to separation of reading and control unit	<ul style="list-style-type: none">• Ideal for controlling electronic door and gate drives, door openers, lifts, barriers, rolling grilles, turnstiles• Wall Reader RFID reading unit with encrypted BUS connection to control unit (wAppLoxx Pro Bridge Box)• High manipulation resistance thanks to separation of reading and control unit
Item abbreviation	WLX-PRO-Set-WR-A-W-I	WLX-PRO-Set-WR-A-S-I	WLX-PRO-Set-WR-A-S-OI
Scope of delivery	1 x wAppLoxx Pro Wall Reader IP44 white • 1 x wAppLoxx Pro Bridge Box Industrial Access • 1 x Gira TX44 frame white	1 x wAppLoxx Pro Wall Reader IP44 black • 1 x wAppLoxx Pro Bridge Box Industrial Access • 1 x Gira TX44 frame black	1 x wAppLoxx Pro Wall Reader IP67 black • 1 x wAppLoxx Pro Bridge Box Industrial Access • 2 x PG screw connection
Required accessories	ACAC00058 International power supply 12V/3A	ACAC00058 International power supply 12V/3A	ACAC00058 International power supply 12V/3A



Item number	ACSE00023	ACSE00024	ACSE00030
Description	WLX Pro Wall Reader-Set IP44 Industrial Intrusion white	WLX Pro Wall Reader-Set IP44 Industrial Intrusion black	WLX Pro Wall Reader-Set IP67 Industrial Intrusion black
	<ul style="list-style-type: none">• Ideal for controlling electronic door and gate drives, door openers, lifts, barriers, rolling grilles, turnstiles• Wall Reader RFID reading unit with encrypted BUS connection to control unit (wAppLoxx Pro Bridge Box)• High manipulation resistance thanks to separation of reading and control unit	<ul style="list-style-type: none">• Ideal for controlling electronic door and gate drives, door openers, lifts, barriers, rolling grilles, turnstiles• Wall Reader RFID reading unit with encrypted BUS connection to control unit (wAppLoxx Pro Bridge Box)• High manipulation resistance thanks to separation of reading and control unit	<ul style="list-style-type: none">• Ideal for controlling electronic door and gate drives, door openers, lifts, barriers, rolling grilles, turnstiles• Wall Reader RFID reading unit with encrypted BUS connection to control unit (wAppLoxx Pro Bridge Box)• High manipulation resistance thanks to separation of reading and control unit
Item abbreviation	WLX-PRO-Set-WR-I-W-I	WLX-PRO-Set-WR-I-S-I	WLX-PRO-Set-WR-I-S-OI
Scope of delivery	1 x wAppLoxx Pro Wall Reader IP44 white • 1 x wAppLoxx Pro Bridge Box Industrial Intrusion • 1 x Gira TX44 frame white	1 x wAppLoxx Pro Wall Reader IP44 black • 1 x wAppLoxx Pro Bridge Box Industrial Intrusion • 1 x Gira TX44 frame black	1 x wAppLoxx Pro Wall Reader IP67 black • 1 x wAppLoxx Pro Bridge Box Industrial Intrusion
Required accessories	ACAC00058 International power supply 12V/3A	ACAC00058 International power supply 12V/3A	ACAC00058 International power supply 12V/3A

WAPPLOXX PRO PLUS CONTROL & SOFTWARE



Item number	ACC016000	ACC016500
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Description	WLX Pro Control Plus	WLX Pro Control Plus (WLX/WLX Pro)
	<ul style="list-style-type: none">• Central control unit for the wAppLoxx Pro Plus system operated via radio network• Integrated software for programming and managing the locking system by up to 1,000 users (wAppLoxx Pro Plus Manager)• Possible operating modes: offline, local network, and online with internet connection• Up to 32 wireless door components can be integrated per WLX Pro Control Plus, with a maximum of 6 WLX Pro Repeaters each• Up to 5 control units can be combined to scale the system up to a total of 160 WLX Pro door components• Locking permissions are assigned in the locking plan matrix for up to 160 door groups and 100 user groups• Flexible access release - even while on the road - for all wAppLoxx Pro door components via iOS/Android app (with costs)• Control of up to 2 intrusion alarm systems or 2 security areas directly at the door (forced protection against false alarms) as well as integration of up to 10 ABUS IP cameras for access verification (live image in the app)• Intelligent event control (e.g. e-mail sent in the event of an invalid access attempt)• Automatic provision of software updates	<ul style="list-style-type: none">• Central control unit of the wireless wAppLoxx Pro Plus system• Integrated software for programming and managing the key system for up to 1,000 users (wAppLoxx Pro Plus Manager)• Possible operating modes: Offline, local network and online with internet connection• Up to 32 wireless door components per WLX Pro Control Pro Plus and can be integrated with a maximum of 6 WLX Pro Repeaters each• Scale up the system by combining up to 5 Control Pro Plus units to a total of 160 WLX Pro door components• Assignment of locking permissions in the key plan matrix for up to 160 door groups and 100 user groups• Flexible access release - even while on the road - for all wAppLoxx Pro door components via iOS/Android app (with costs)• Control of up to 2 intruder alarm systems or 2 security zones directly at the door - convenient and secure, including forced protection against false alarms• Integration of 10 ABUS IP cameras for access verification (live image, snapshot) in the app• Intelligent event control, autom. provision of software updates and e-mail transmission via cloud

Item abbreviation	WLX-PP-CTRL	WLX-PP-CTRL2
Compatible with	WLX Pro	WLX Pro, wAppLoxx Gen 1.0/AE
Dimensions (W × H × D)	277 x 247 x 53 mm	277 x 247 x 53 mm
Environmental conditions	max. 80% relative humidity, non-condensing	max. 80% relative humidity, non-condensing
Connections	Relay 1-4: 30 V DC / 2A max. - Inputs 1-6: 0V/12V / 0.1A max.	Relay 1-4: 30 V DC / 2A max. - Inputs 1-6: 0V/12V / 0.1A max.
Functions	Permissions can be selected for access and/or arm/disarm, special keys for security services, remote access authorisation, remote arm/disarm, event control and email notification, log and time function, camera integration	Permissions can be selected for access and/or arm/disarm, special keys for security services, remote access authorisation, remote arm/disarm, event control and email notification, log and time function, camera integration
Locking media	1000	1000
DC voltage supply	1,5 A / 12 V	1,5 A / 12 V
Signalling	Status LEDs	Status LEDs
Radio frequency	868.3 MHz	868.3 MHz
Wireless range	up to 30m indoors / free field nominal 100 m	up to 30m indoor / 100m free field nominal m
Encryption	AES 128-bit	AES 128-bit
Logging and time function	Yes	Yes
Scope of delivery	1 x wAppLoxx Pro Control Plus • 1 x Quick Guide • 1 x System card • 1 x Reset card • 2 x Antennas	1 x wAppLoxx Pro Control Plus (WLX/WLX Pro) • 1 x Quick Guide • 1 x System card • 1 x Reset card • 2 x Antennas
Required accessories	505366 International plug-in power supply 12V/1.5A	505366 International plug-in power supply 12V/1.5A
Recommended accessories	ACPA00011 WLX Pro Card Reader • ACAC00069 External power antenna WLX Pro	ACPA00011 WLX Pro Card Reader • ACAC00069 External power antenna WLX Pro



Item number	ACPA000007
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Description	WLX Pro Repeater
	<ul style="list-style-type: none">• Wireless extension of the wAppLoxx Pro system• up to 32 door components (wAppLoxx Pro cylinder or wall reader) per repeater• Management via wAppLoxx Pro Control• Encrypted AES 128-bit radio transmission• Emergency power supply via battery (optional)

Item abbreviation	WLX-PRO-RP
Dimensions	164 x 164 x 37 mm
Environmental conditions	Indoor use, max. relative humidity: 80% - non-condensing
DC voltage supply	3 A / 12 V
Battery - type	Lead gel battery for at least 20 hours backup power supply (accessory: ACAC00068)
Signalling	optically
Programming	Programming/system management via wAppLoxx Pro Control Plus
Radio frequency	868.3 MHz
Wireless range	Indoors: 30 m, outdoors: 100 m
Encryption	AES 128-Bit
Scope of delivery	1 x WLX Pro Repeater • 1 x AC Adapter • 1 x Quick Guide
Required accessories	-
Recommended accessories	ACAC00069 External power antenna WLX Pro • ACAC00068 Battery Pack for WLX Pro Repeater



Item numberACAP00006

Description	wAppLoxx Pro Plus Manager
	<ul style="list-style-type: none">• Desktop software for access management of the wAppLoxx Pro Plus locking system for up to 2 administrators; flexible access from any PC• Convenient, flexible administration and maintenance of the wAppLoxx Pro Plus system with up to 1,000 users and 160 door components• Smart role management: With 5 administrator roles, everyone only gets the access they need• Intuitive dashboard for clear display of system status and latest logbook entries• Flexible assignment of authorisations for user groups and door groups with exception function at door level• Lock plan matrix for the orderly display and easy management of all access authorisations for user groups at access points• Easily create schedules and set restricted days for individuals and groups of people• Secure access to the wAppLoxx Pro Plus database via LAN or remotely via an encrypted Internet connection (online)• Flexible, object-specific solutions, e.g. Office Mode (permanent opening), two-person mode, etc.• Easy configuration of door components, e.g. engagement time (opening time) of the WLX Pro cylinder

Item abbreviation	WLX-PRO-AM
Product range	WLX Pro
System requirements	Processor: 2.0 GHz or faster, RAM: 2 GB or more, storage space: 2 GB or more
Supported operating systems	Windows 10, Windows 11 (64-Bit Versions)
Supported languages	German, English, Dutch, Swedish, Danish, Italian, French
Update capability	Download from abus.com
Functions	Application and locking system software for the wAppLoxx Pro Plus wireless online locking system
Compatible with	WLX Pro Control Plus, WLX Pro Card Reader, WLX Pro Cylinder, WLX Pro Wallreader, WLX Pro Repeater, WLX Pro Plus App
Display resolution	Minimum: 910 x 1200 px
Internet connection	Optional for operating the locking system, required for remote access via Access Manager and app, as well as for downloading firmware and software updates.
Initial installation	The application software can be installed on a PC/laptop using an .exe setup file
Registration	Up to 2 administrators can be added locally
GDPR compliance	Yes, processing of data only for the provision of existing functionalities
Number of administrators	Creation of a maximum of 2 administrators with equal rights. In addition, up to 10 main administrators, device administrators, user administrators, assistants and role administrators can be created.
Number of persons	Max. 1.000
Number of person groups	Max. 100
Number of SW accesses	Simultaneous access to up to 5 wAppLoxx Pro Control Plus, installation of the Access Manager on any number of workstations possible
Number of USB table readers	No limit
Remote access	Peer-to-peer relay server, firewall/port settings: recommended from port 40,000 (UDP): P2P communication, alternative: port 53 (UDP): DNS service, port 443 (UDP/TCP) HTTPS connection base station, port 3478 (UDP): connection STUN server, port 3479 (UDP): connection STUN server, port 5566 (UDP). Base station connection, port 5568 (TCP): gateway connection
Security features	Login password protection, password policies in accordance with GDPR, end-to-end encryption of the entire system
Availability	Available for download at www.abus.com



Item numberACAP00007

GET IT ON
Google Play

Download on the
App Store

Description	wAppLoxx Pro Plus App
	<ul style="list-style-type: none">• Operation of the wAppLoxx Pro Plus system: electronic locking system for up to 1,000 users and 160 doors• Smartphone as a full-fledged locking medium: Control building access (door opening) locally at the locking cylinder, wall reader, etc. or remotely (remote access)• See live images from up to 10 integrated IP cameras• Deactivation/activation of a connected burglar alarm system (BAS) with the best protection against false alarms (forced operation)• High data security thanks to secure peer-to-peer communication (P2P) and encrypted local area connection (LAN)• Personalizable: set favorites function, hotkeys, custom background images, etc.• Display logged events, storage and exporting of logs• Permission assignment from app to app

Item abbreviation	WLX-PP-APP
Product range	WLX Pro
Functions	Door opening (also remotely), arming and disarming the burglar alarm system, camera display, log access (adjustable)
Compatible with	WLX Pro Cylinder, WLX Pro Wallreader
Initial installation	Download the Admin App from the App Store (iOS) or Google Play Store (Android)
Registration	Login via accounts created in the manager
Synchronisation	Real-time communication with WLX Pro Control Plus
Availability	iOS (App Store) & Android (Play Store)
Supported languages	German, English, Dutch, Swedish, Danish, Italian, French





















Item numberACSE00035

Description	WLX Pro Plus Starter Kit Intrusion black
	<div><ul style="list-style-type: none">• Complete package of the wAppLoxx Pro Plus system• With wAppLoxx Pro cylinder Intrusion 30/30• Suitable for controlling intrusion detection systems• Including accessories such as power supply unit, network cable and transponder• Ideal as an entry-level package for any wAppLoxx Pro Plus system</div>

Item abbreviation	Starterkit WLX-PP-I-S
Scope of delivery	1 x WLX Pro Control Plus • 1 x WLX Pro LA 30/30 Intrusion • 1 x International plug-in power supply 12V/1.5A • 1 x WLX Cabel CAT 5 1m white • 5 x ABUS Transponder red • 1 x wAppLoxx Pro tool set small
Required accessories	-

WAPLOXX PRO PLUS CONTROL ACCESSORIES

Item no.	Description	Discount group	Additional information
 505366	International plug-in power supply 12V/1.5A		Power supply for WLX Pro Control Plus
 ACAC00058	International power supply 12V/3A		Power supply for WLX Pro Repeater and Bridge Box
 ACPA00011	WLX Pro Card Reader		For programming locking media on the PC
 ACAC00069	External power antenna WLX Pro		For use in the WLX PP system (control/repeater)
 ACAC00043	ABUS Micro USB Updater Cable (TECTIQ/WLX Pro)		Cable for use of the Access Component Updater
 ACAC00068	Battery Pack for WLX Pro Repeater		Emergency power supply for the WLX Pro repeater
 ACAC00070	Terminal blocks WLX Pro Plus (set of 12)		
 ACAC00073	Power supply 3 A with backup battery		Emergency power supply for the WLX PP control panel for at least 14 hours
 ACAC00074	CR1220 3V backup battery (TECTIQ/WLX Control)		Buffer battery of the WLX PP control panel

Legend:



wAppLoxx Pro program



Accessories

WAPPLOXX PRO PLUS LOCKING MEDIA



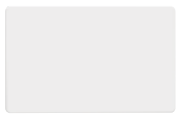
Item number	ACTP00008G	ACTP00008B	ACTP00008R
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Description	ABUS Transponder Advanced green MIFARE DESFire EV3 8K (Security)	ABUS Transponder Advanced blue MIFARE DESFire EV3 8K (Security)	ABUS Transponder Advanced red MIFARE DESFire EV3 8K (Security)
Item abbreviation	T-MIF-DES-ADV-8K-SEC-G	T-MIF-DES-ADV-8K-SEC-B	T-MIF-DES-ADV-8K-SEC-R
Product range	ZUBEHÖR_AC	ZUBEHÖR_AC	ZUBEHÖR_AC
Area of application	Locking medium for ABUS access control systems (WLX Pro & TECTIQ)	Locking medium for ABUS access control systems (WLX Pro & TECTIQ)	Locking medium for ABUS access control systems (WLX Pro & TECTIQ)
Colour	green	blue	red
Programming technology	RFID (13,56 MHz)	RFID (13,56 MHz)	RFID (13,56 MHz)
RFID conformity	ISO 14443	ISO 14443	ISO 14443
RFID frequency	13.56 MHz	13.56 MHz	13.56 MHz
RFID technology	MIFARE® DESFire® EV3	MIFARE® DESFire® EV3	MIFARE® DESFire® EV3
Security features	Copy and read protection with MIFARE® DESFire® + ABUS security application and Random ID	Copy and read protection with MIFARE® DESFire® + ABUS security application and Random ID	Copy and read protection with MIFARE® DESFire® + ABUS security application and Random ID
Transponder conformity	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)
Transponder programming	Access control software and card reader	Access control software and card reader	Access control software and card reader
Transponder encryption	AES 128-Bit	AES 128-Bit	AES 128-Bit
Dimensions	36,5 x 45,3 x 5,5 mm	36,5 x 45,3 x 5,5 mm	36,5 x 45,3 x 5,5 mm



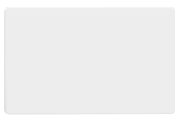
Item number	ACTP00008W	ACTP00008S	ACTP20008S
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Description	ABUS Transponder Advanced white MIFARE DESFire EV3 8K (Security)	ABUS Transponder Advanced black MIFARE DESFire EV3 8K (Security)	ABUS Dual Transponder black MIFARE DESFire EV3 8k (Security)/EM4102
Item abbreviation	T-MIF-DES-ADV-8K-SEC-W	T-MIF-DES-ADV-8K-SEC-S	T-MIF-DES-8K-SEC-DUAL-S
Product range	ZUBEHÖR_AC	ZUBEHÖR_AC	ZUBEHÖR_AC
Area of application	Locking medium for ABUS access control systems (WLX Pro & TECTIQ)	Locking medium for ABUS access control systems (WLX Pro & TECTIQ)	Locking medium for ABUS access control systems (WLX Pro & TECTIQ)
Colour	white	black	black
Programming technology	RFID (13,56 MHz)	RFID (13,56 MHz)	RFID (13,56 MHz / 125 KHz)
RFID conformity	ISO 14443	ISO 14443	ISO 14443
RFID frequency	13.56 MHz	13.56 MHz	13.56 MHz
RFID technology	MIFARE® DESFire® EV3	MIFARE® DESFire® EV3	MIFARE® DESFire® EV3 & EM4102
Security features	Copy and read protection with MIFARE® DESFire® + ABUS security application and Random ID	Copy and read protection with MIFARE® DESFire® + ABUS security application and Random ID	Copy and read protection with MIFARE® DESFire® + ABUS security application and Random ID
Transponder conformity	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)
Transponder programming	Access control software and card reader	Access control software and card reader	Access control software and card reader
Transponder encryption	AES 128-Bit	AES 128-Bit	AES 128-Bit
Dimensions	36,5 x 45,3 x 5,5 mm	36,5 x 45,3 x 5,5 mm	36,5 x 45,3 x 5,5 mm



Item number	ACTK00001	ACTP00008
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Description	ABUS Transponder card MIFARE DESFire EV3 8K (Security)	WLX transponder cards (5-piece set)
Item abbreviation	K-MIF-DES-8K-SEC	K-MIF-DES-4K-SEC-SET
Product range	ZUBEHÖR_AC	ZUBEHÖR_AC
Area of application	Locking medium for ABUS access control systems (wAppLoxx & TECTIQ)	Locking medium for ABUS access control systems (wAppLoxx & TECTIQ)
Colour	white	blue
Programming technology	RFID (13,56 MHz)	RFID (13,56 MHz)
RFID conformity	ISO 14443	ISO 14443
RFID frequency	13.56 MHz	13.56 MHz
RFID technology	MIFARE® DESFire® EV3	MIFARE® DESFire® EV1
Security features	Copy and read protection with MIFARE® DESFire® + ABUS security application and Random ID	Copy and read protection with MIFARE® DESFire® + ABUS security application and Random ID
Transponder conformity	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)
Transponder programming	Access control software and card reader	Access control software and card reader
Transponder encryption	AES 128-Bit	AES 128-Bit
Dimensions	86 x 54 x 1 mm	86 x 54 x 1 mm



Item number	ACTP00011	ACTP00015
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Description	Locking media with individual laser engraving (100 pieces MOQ)	ABUS Dual transponder cards MIFARE DESFire EV1 4K (Security) /EM4200 (5 pieces)
Item abbreviation	T-MIF-DES-KD	K-Dual-Set
Product range	ZUBEHÖR_AC	ZUBEHÖR_AC
Area of application	Locking medium for ABUS access control systems (wAppLoxx & TECTIQ)	Locking medium for ABUS access control systems (wAppLoxx & TECTIQ)
Colour	-	black
Programming technology	RFID (13,56 MHz)	RFID (13,56 MHz / 125 KHz)
RFID conformity	ISO 14443	ISO 14443
RFID frequency	13.56 MHz	13.56 MHz
RFID technology	MIFARE® DESFire®	MIFARE® DESFire® EV1 & EM4103
Security features	Copy and read protection with MIFARE® DESFire® + ABUS security application and Random ID	Copy and read protection with MIFARE® DESFire® + ABUS security application and Random ID
Transponder conformity	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)
Transponder programming	Access control software and card reader	Access control software and card reader
Transponder encryption	AES 128-Bit	AES 128-Bit
Dimensions	36,5 x 45,3 x 5,6 mm	86 x 54 x 1 mm

ITEM NUMBER INDEX

ACAC00076	Transponder card case	59	ACTP00008R	ABUS Transponder Advanced red MIFARE DESFire EV3 8K (Security)	90
ACAC00077	Jojo drawstring for card case	59	ACTP00008S	ABUS Transponder Advanced black MIFARE DESFire EV3 8K (Security)	90
ACAC00078	Keychain (Set of 10) blue	59	ACTP00008W	ABUS Transponder Advanced white MIFARE DESFire EV3 8K (Security)	90
ACAP00006	wAppLoxx Pro Plus Manager	86	ACTP00011	Locking media with individual laser engraving (100 pieces MOQ)	91
ACAP00007	wAppLoxx Pro Plus App	87	ACTP00015	ABUS Dual transponder cards MIFARE DESFire EV1 4K (Security) /EM4200 (5 pieces)	91
ACCO16000	WLX Pro Control Plus	84	ACTP20008S	ABUS Dual Transponder black MIFARE DESFire EV3 8k (Security)/EM4102	90
ACCO16500	WLX Pro Control Plus (WLX/WLX Pro)	84	TEC- B- LA	TECTIQ narrow frame fitting	36
ACPA00007	WLX Pro Repeater	85	TEC- B- LA- FIX- DK	TECTIQ narrow frame fitting FIX-DIN-short	38
ACPD00005	wAppLoxx Pro padlock 86Ti/55 – black	77	TEC- B- LA- FIX- DR	TECTIQ narrow frame fitting FIX-DIN-round	39
ACSE00011	WLX Pro Wall Reader-Set IP44 Access white	82	TEC- B- LA- SEC	TECTIQ Security narrow frame fitting	37
ACSE00012	WLX Pro Wall Reader-Set IP44 Access black	82	TEC- B- SK- LA	TECTIQ narrow frame fitting Scandinavia	40
ACSE00014	WLX Pro Wall Reader-Set IP67 Access black	82	TEC- B- SK- LA- FIX- W	TECTIQ narrow frame fitting Scandinavia FIX-wide	41
ACSE00019	WLX Pro Wall Reader-Set IP44 Intrusion white	83	TEC- Z- CH- HZ	TECTIQ half cylinder CH	29
ACSE00020	WLX Pro Wall Reader-Set IP44 Intrusion black	83	TEC- Z- CH- LA	TECTIQ double knob cylinder, reader outside CH	29
ACSE00021	WLX Pro Wall Reader-Set IP44 Industrial Access white	82	TEC- Z- CH- LB	TECTIQ double knob cylinder, reader both sides CH	29
ACSE00022	WLX Pro Wall Reader-Set IP44 Industrial Access black	82	TEC- Z- HZ	TECTIQ half cylinder	28
ACSE00023	WLX Pro Wall Reader-Set IP44 Industrial Intrusion white	83	TEC- Z- LA	TECTIQ double knob cylinder, reader outside	26
ACSE00024	WLX Pro Wall Reader-Set IP44 Industrial Intrusion black	83	TEC- Z- LA- OI	TECTIQ double knob cylinder, reader outside without inner knob	26
ACSE00026	WLX Pro Wall Reader-Set IP67 Intrusion black	83	TEC- Z- LA- P	TECTIQ double knob cylinder, reader outside panic	27
ACSE00028	WLX Pro Wall Reader-Set IP67 Industrial Access black	82	TEC- Z- LA- P- T90	TECTIQ double knob cylinder, reader outside panic T90	27
ACSE00030	WLX Pro Wall Reader-Set IP67 Industrial Intrusion black	83	TEC- Z- LA- T90	TECTIQ double knob cylinder, reader outside T90	26
ACSE00035	WLX Pro Plus Starter Kit Intrusion black	88	TEC- Z- LB	TECTIQ double knob cylinder, reader both sides	28
ACTK00001	ABUS Transponder card MIFARE DESFire EV3 8K (Security)	91	TTAA10000	TECTIQ Admin App	55
ACTP00008	WLX transponder cards (5-piece set)	91	TTAM10000	TECTIQ Access Manager	54
ACTP00008B	ABUS Transponder Advanced blue MIFARE DESFire EV3 8K (Security)	90	TTCO10000	TECTIQ Access control center	52
ACTP00008G	ABUS Transponder Advanced green MIFARE DESFire EV3 8K (Security)	90			

TTSG10000	TECTIQ Controller unit update terminal (in-wall)	50	TTTP20108S	TECTIQ Dual Transponder Advanced black MIFARE DESFire EV3 8k / EM4102	58
TTSG10010	TECTIQ Controller unit wallreader (in-wall)	50	TTVH10000	TECTIQ padlock 86Ti/55 – black	28
TTSG80001	TECTIQ Controller Unit surface-mounted housing	51	TTWL10044S	TECTIQ Reader unit indoor IP44 black	48
TTSG80002S	TECTIQ Controller Unit blank cover with frame (black)	51	TTWL10044W	TECTIQ Reader unit indoor IP44 white	48
TTSG80002W	TECTIQ Controller Unit blank cover with frame (white)	51	TTWL10067S	TECTIQ Reader unit outdoor IP67 black	49
TTSG90001	TECTIQ Controller Unit connection terminals	51	TTWL10067W	TECTIQ Reader unit outdoor IP67 white	49
TTST10000	TECTIQ Parameter Card	56	TTZSKO- IS	TECTIQ knob cylinder Scandinavian Oval Rokoko (inside)	30
TTST10001	TECTIQ Blacklist Card	56	TTZSKO- OS	TECTIQ knob cylinder Scandinavian Oval (outside)	30
TTST10002	TECTIQ Reset Card	56	WLX- PRO- CH- HZ	WLX Pro half cylinder CH	78
TTST10003	TECTIQ Protocol Card	57	WLX- PRO- CH- LA	WLX Pro double knob cylinder, reader outside CH	78
TTST10004	TECTIQ Emergency Transponder	59	WLX- PRO- CH- LB	WLX Pro double knob cylinder, reader both sides CH	78
TTST10005	TECTIQ Sytemmedia Set	57	WLX- PRO- HZ	WLX Pro Half cylinder	77
TTTK10108	TECTIQ Transponder card MIFARE DESFire EV3 8K (Security UID)	59	WLX- PRO- LA	WLX Pro double knob cylinder, reader outside	74
TTTL10000	TECTIQ Desktop Reader USB	53	WLX- PRO- LA- OI	WLX Pro double knob cylinder, reader outside without inner knob	74
TTTP10108B	TECTIQ Transponder Advanced blue MIFARE DESFire EV3 8K (Security UID)	58	WLX- PRO- LA- P	WLX Pro Double-knob cylinder, panic	75
TTTP10108G	TECTIQ Transponder Advanced green MIFARE DESFire EV3 8K (Security UID)	58	WLX- PRO- LA- P- T90	WLX Pro Double-knob cylinder, panic - special version T90	76
TTTP10108R	TECTIQ Transponder Advanced red MIFARE DESFire EV3 8K (Security UID)	58	WLX- PRO- LA- S- T90	WLX Pro double knob cylinder reader outside - special version T90	75
TTTP10108S	TECTIQ Transponder Advanced black MIFARE DESFire EV3 8K (Security UID)	58	WLX- PRO- LB	WLX Pro double knob cylinder, reader both sides	76
TTTP10108W	TECTIQ Transponder Advanced white MIFARE DESFire EV3 8K (Security UID)	58			
TTTP11108S	TECTIQ Transponder Basic black MIFARE DESFire EV3 8K (Security UID)	59			



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	sales@abus-sc.com support@abus-sc.com	sales@abus-uk.com support@abus-uk.com	contact@abus.fr videoalarme@abus.fr
SALES TECHNICAL SUPPORT E- MAIL	NL 	DK 	
	+31 499 47 78 76	+45 70 60 60 00	
	+31 499 47 78 76	+45 88 81 80 41	
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ABUS I Security Center GmbH & Co. KG
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Linker Kreuthweg 5
86444 Affing

Germany
Tel: +49 8207 959 90-0
sales@abus-sc.com

ABUS I (UK) Ltd
www.abus.com

Unit 30, Portishead Business Park
Old Mill Road | Portishead
BS20 7BX

United Kingdom
+44 (0)117 204 7000
info@abus-uk.com

ABUS | France S.A.S
www.abus.fr

15 Voie La Gravière
94290 Villeneuve Le Roi

France
Ventes: +33 149 61 67 67
contact@abus.fr

ABUS-Gruppen Nordic A/S
www.abus.dk

Egeskovvej 41
8700 Horsens

Denmark
Tlf: +45 70 60 60 00
elektronisk@abus-nordic.com

ABUS Nederland BV
www.abus.com

Esp 310
5633 AE Eindhoven

Nederland
Telefoon: +31 499 47 78 76
sales@abus.nl