



Security Tech Germany

CATALOGUE 2024/2025

# TECTIQ®

Electronic access control

Simple. Access. Organisation. With the electronic locking system for commercial and public buildings.



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### General information

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The General Terms and Conditions (GTC) apply in the respective valid version, which can be provided upon request.

The prices quoted are gross list prices for resellers. These prices are discounted by individual agreement. All prices are ex works plus packaging and shipping costs and the applicable statutory VAT.

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# WHAT IS TECTIQ?

## YOUR BUILDING. OUR SOLUTION.

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

## YOU ASK – WE ANSWER

### What advantages does TECTIQ offer?

In a nutshell: The completely user-friendly software provides the administrator with highly efficient, time-saving management, without much training, but with full data security for the operator.

### Mechanics or electronics? Does the end customer have to commit?

No. TECTIQ can also be installed in properties that are only partially converted to electronics. For example, the perimeter is managed in the software and interior doors keep their mechanical locking cylinders.

### Is the electronic locking system as secure as a mechanical locking system?

Yes. Electronic door components are as robust as mechanical components (IP67, SKG\*\*\*, T90). All data is highly encrypted. Access logging and immediate response in the event of lost keys offers additional security.

## YOUR BUILDING. OUR SOLUTION.



COMPANY

e.g. office & administration



CITIES & COMMUNITIES

e.g. schools & libraries



HEALTHCARE

e.g. rehab & health clinics



CULTURE & LEISURE

e.g. exhibition centre & halls



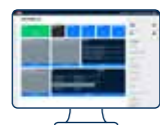
STORE OPERATIONS

e.g. retail



FEDERAL & STATE GOVERNMENTS

e.g. railway depots & operating sites



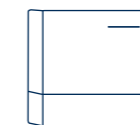
### Simply intuitive: the software with the best user experience

When developing the TECTIQ Access Manager, our aim was to create the most user-friendly locking system software on the market. Your advantage: Intuitive operation creates enjoyment for all users of the system to the operator's complete satisfaction.



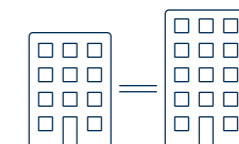
### Easy to plan and install: thanks to offline door components

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



### As simple as plug & play: IT installation & administration

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



### Easily networked locations: integrate decentralised buildings

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.

# OVERVIEW OF SYSTEM COMPONENTS

## 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.

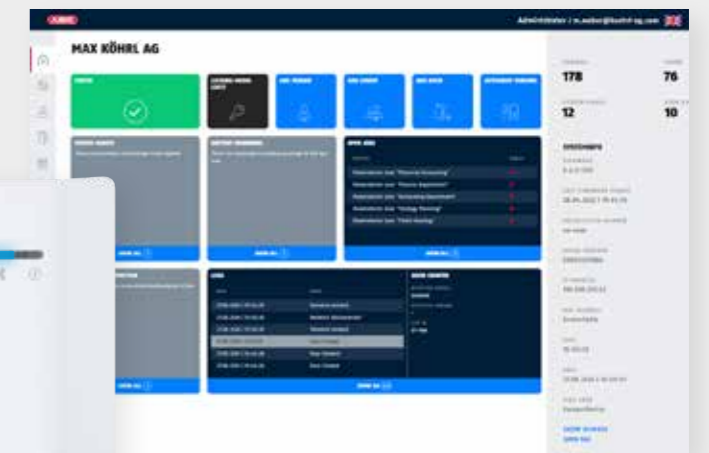
### DOOR CYLINDER:

robust & flexible use



### ACCESS CONTROL PANEL:

System control panel 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:

with cards & transponder tags

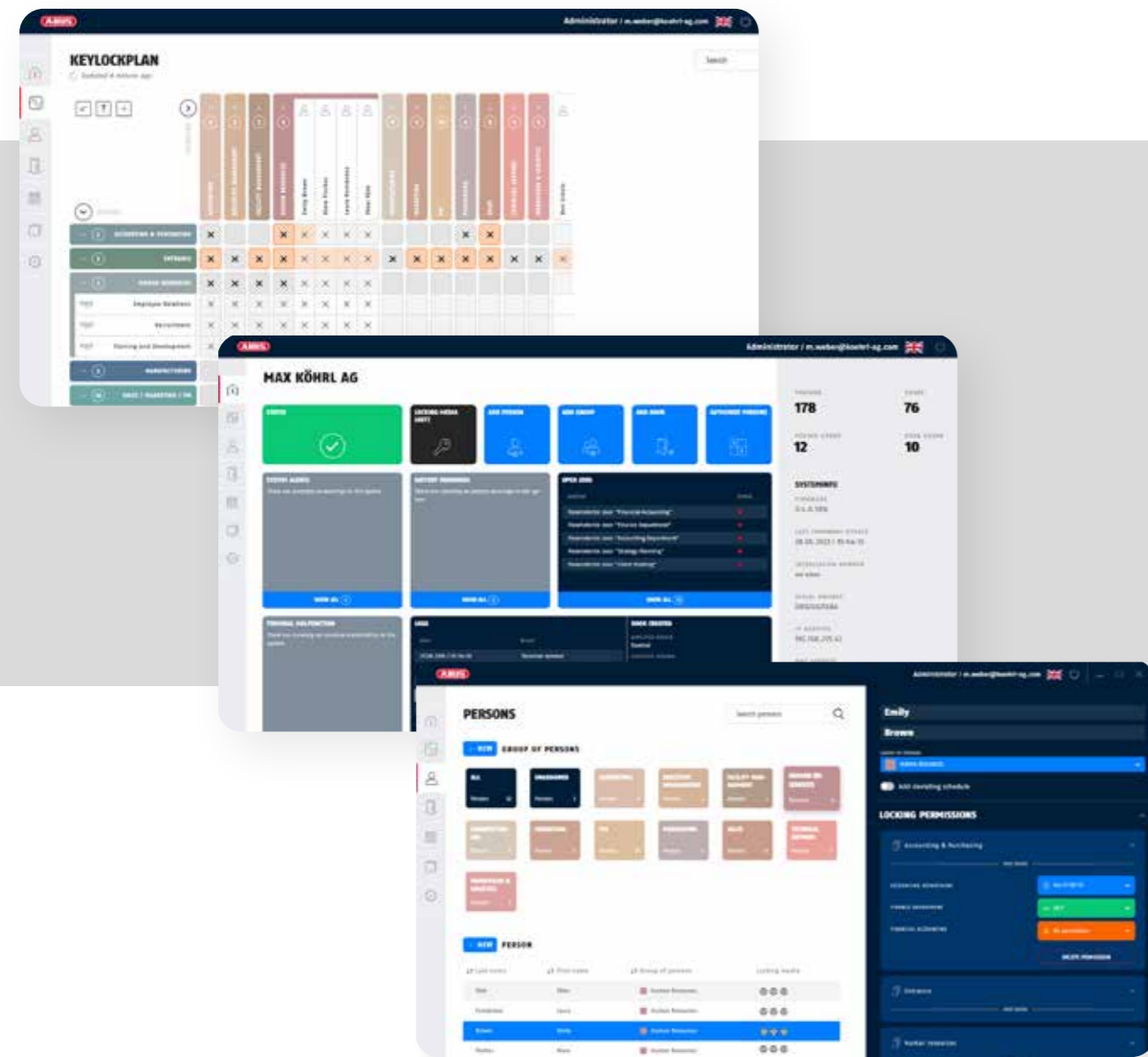


# ACCESS MANAGER

## 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.



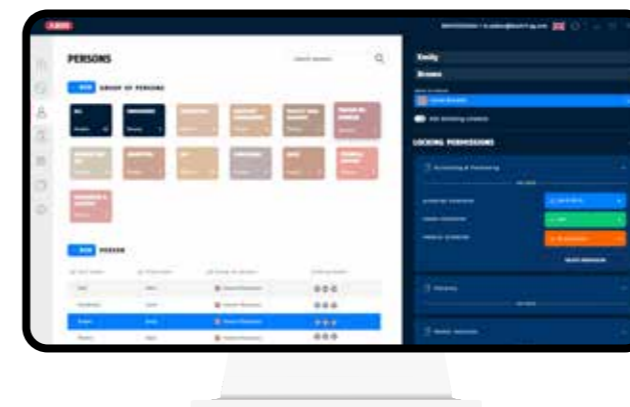
### UNIQUE: FLEXIBLE AUTHORISATION MANAGEMENT

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 "Cockpit" provides an optimum overview of the system status, system log and all pending administration and maintenance tasks.



### 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

## 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 6, 8, 12 hours or several days.

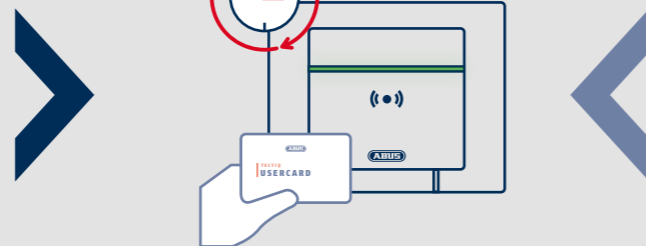
The update terminal is integrated into the network and connected to the access control panel. All other components such as cylinders and fittings are battery-operated and require no wiring.



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)



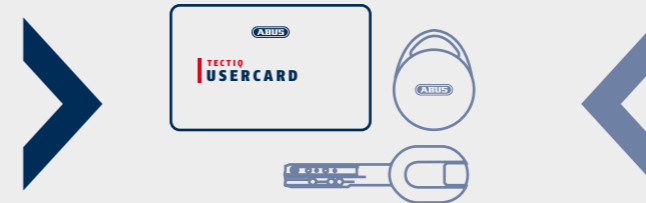
TECTIQ  
UPDATE TERMINAL

### 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

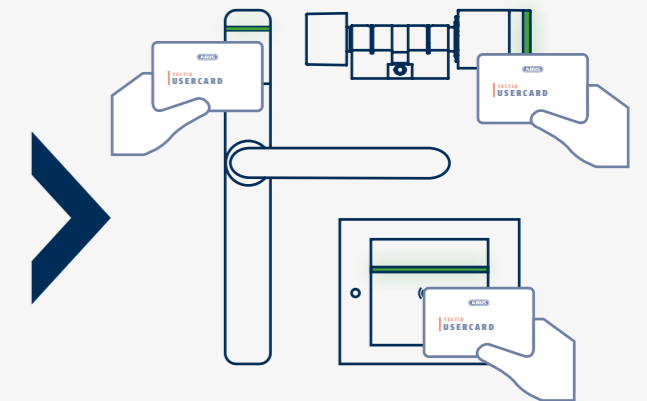
- Access events (logs)
- Battery/system warnings



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

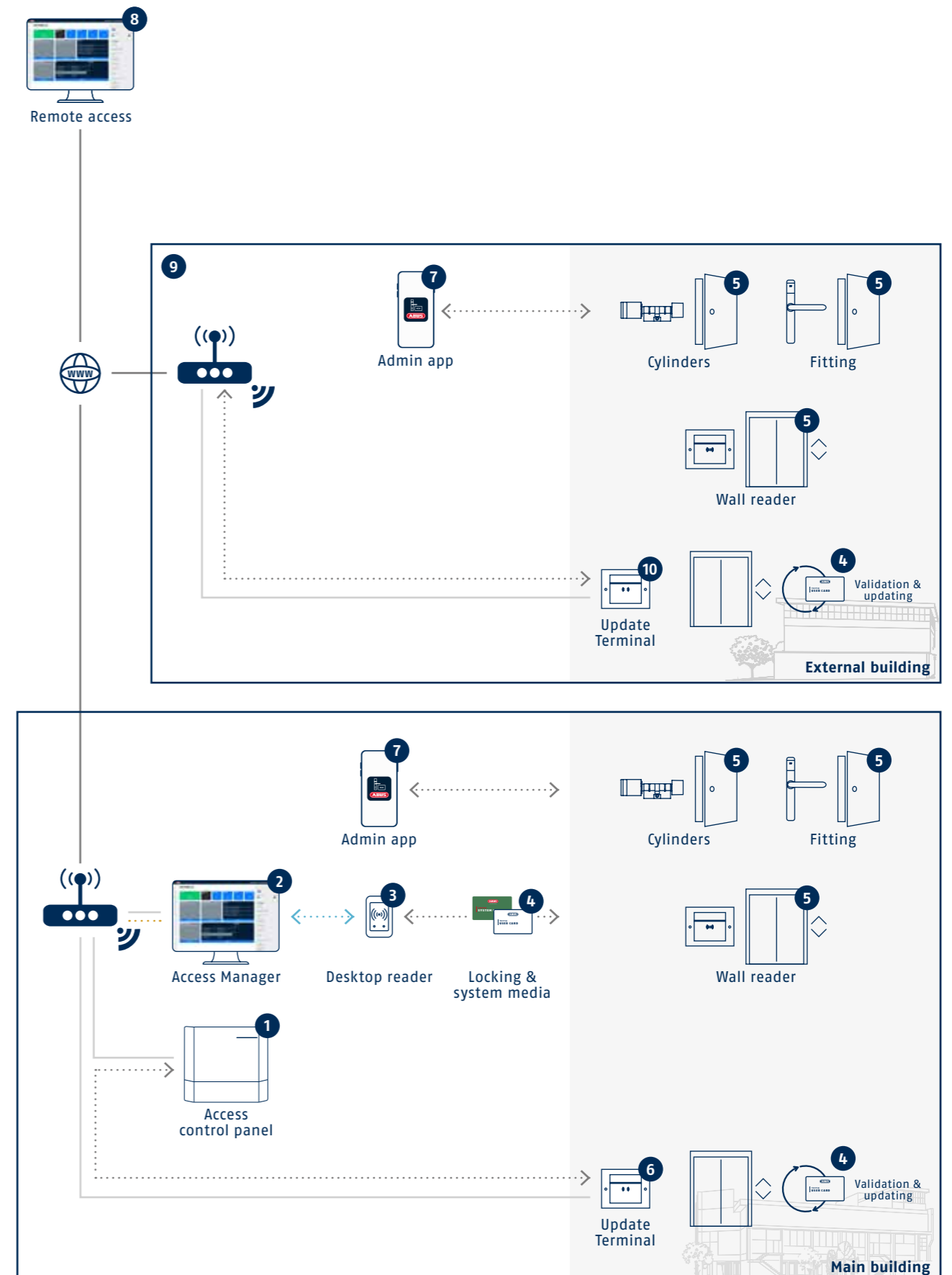
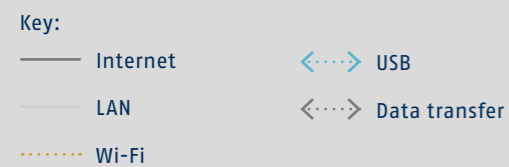
- Access events (logs)
- Battery/system warnings

# SYSTEM DESIGN

## 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 panel 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



# ORDERING PROCESS

## 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.

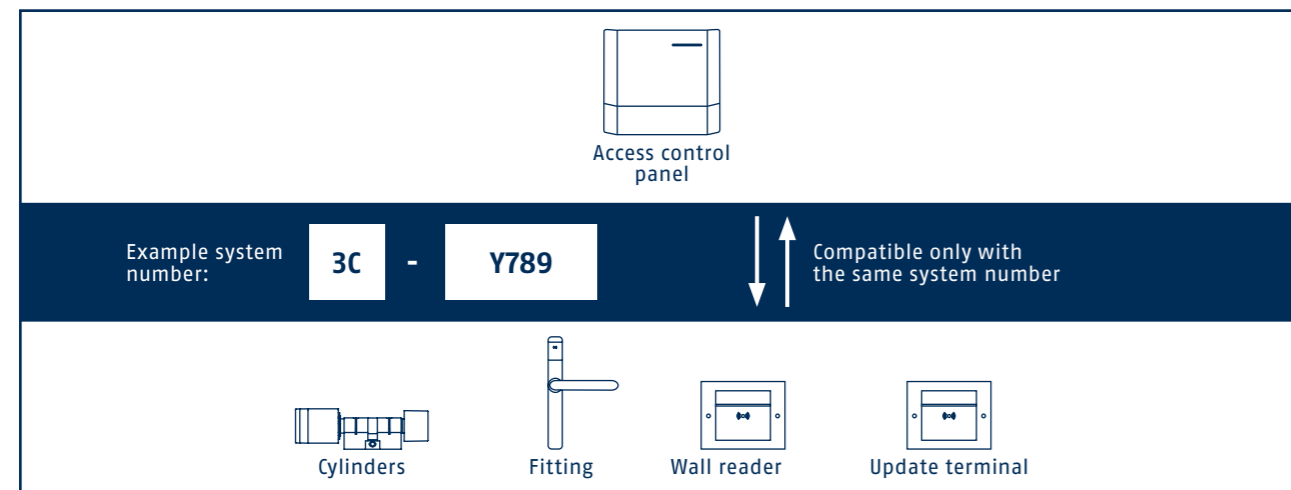
#### Warehouse/service components

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

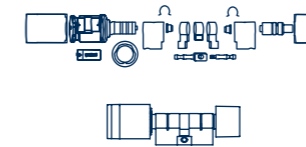
1.

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".

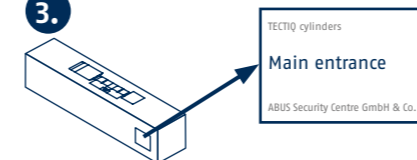
2.



#### 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.



# CYLINDER

## A REAL ALL-ROUNDER

The easiest way to retrofit an electronic locking system to existing doors. The battery-operated TECTIQ door cylinder is used for this purpose. The versatile all-rounder is a wirelessly integrated door component. It can be used universally on exterior and interior doors and, with a wide range of variants, offers the ideal equipment solution for all standard, security, escape and fire doors. Thanks to its modular design, the length of the TECTIQ cylinder can be flexibly adapted to the door thickness of the existing doors.

### SECURE, FLEXIBLE INSTALLATION

Absolutely quick, straightforward installation on all interior and exterior doors, without drilling or laying cables

### WEATHER-RESISTANT

Suitable for unprotected outdoor areas thanks to protection class IP67. Protection against dust and temporary submersion

### MOVING OR REPLACING THE DOOR?

Individual adaptation of the cylinder length to any door thickness possible on site thanks to the modular design

### OPTIMUM SECURITY AT THE DOOR

No access without authentication. With mechanical anti-drilling and tamper protection

### VISUAL SIGNALLING

With LED illuminated ring for signalling granted or denied access and other information such as battery warning

### BLUETOOTH LOW ENERGY (BLE)

Efficient, convenient maintenance including firmware updates via over-the-air wireless technology

### TESTED, CERTIFIED QUALITY

Robustly protected against tampering

### HIGH-QUALITY WORKMANSHIP

With stainless steel outside knob and stainless steel look throughout, in an understated, purist design

Very flexible: The TECTIQ cylinder can be configured for almost any door and is replaced in the existing fitting.

## OVERVIEW OF CYLINDERS



### TECTIQ double knob cylinder reader outside

Exterior and interior doors



### TECTIQ double knob cylinder reader outside without inside knob

Exterior doors



### TECTIQ double knob cylinder reader on both sides

Passage doors



### TECTIQ double knob cylinder reader outside panic

Emergency exit and panic doors  
(defined locking nose position)



### TECTIQ half cylinder

Key switches, garages, lift controls



### TECTIQ padlock

Containers, factory gates, sheds

#### GENERAL & SECURITY

IP67

IP67 completely dust-tight(6), protection against temporary submersion(7)



SKG\*\*\* security certification (option with drilling protection security)

EN 15684

EN 15684 European standard for mechatronic cylinders

#### ESCAPE/RESCUE ROUTES

EN 179

EN 179 Emergency exit devices operated by lever handle or push pad

EN 1125

EN 1125 Panic exit devices operated by a horizontal bar

FZG

FZG free-turning function suitable for FZG-tested doors (applies to TEC-Z-LA, LA-01, LA-T90 and LB)

#### FIRE SAFETY

T30

EN 1634 Fire doors with fire resistance class T30

T90

EN 1634 Fire doors with fire resistance class T90



#### SECURE

High level of mechanical tamper protection with extra-reinforced drilling and pulling protection  
Security up to level SKG\*\*\*.



#### MODULAR

Variable length adjustment for more flexibility on site.  
Up to 90 mm on each side by combining different extension modules.



#### POWERFUL

Efficient operation with standard battery: up to 60,000 opening and closing cycles or 3.5 years standby time.



#### ALL-ROUNDER

Secure installation on all doors in new and existing buildings.  
Ideal for retrofitting.



#### EXTERIOR DESIGN

Colour & shape in perfect harmony: on every door with black or grey outer caps in a square or round shape.



#### INTERIOR DESIGN

Square and narrow variants of mechanical inside knobs – an attractive interior design for every property.

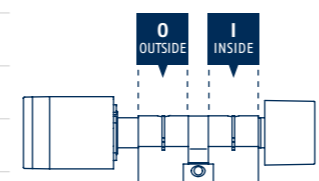
# CYLINDER CONFIGURATION

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

1 2 3 4 5

1 VARIANTS		
LA	Reader Outside, with inside knob <sup>3</sup>	
LA-OI	ReaderOutside, Without Inside knob <sup>3</sup>	
LA-P	Reader Outside, Panic, with inside knob	
LB	Reader Both sides <sup>3</sup>	
HZ	HalfCylinder	
LA-T90	Reader Outside, with inside knob, T90 <sup>3</sup>	
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	

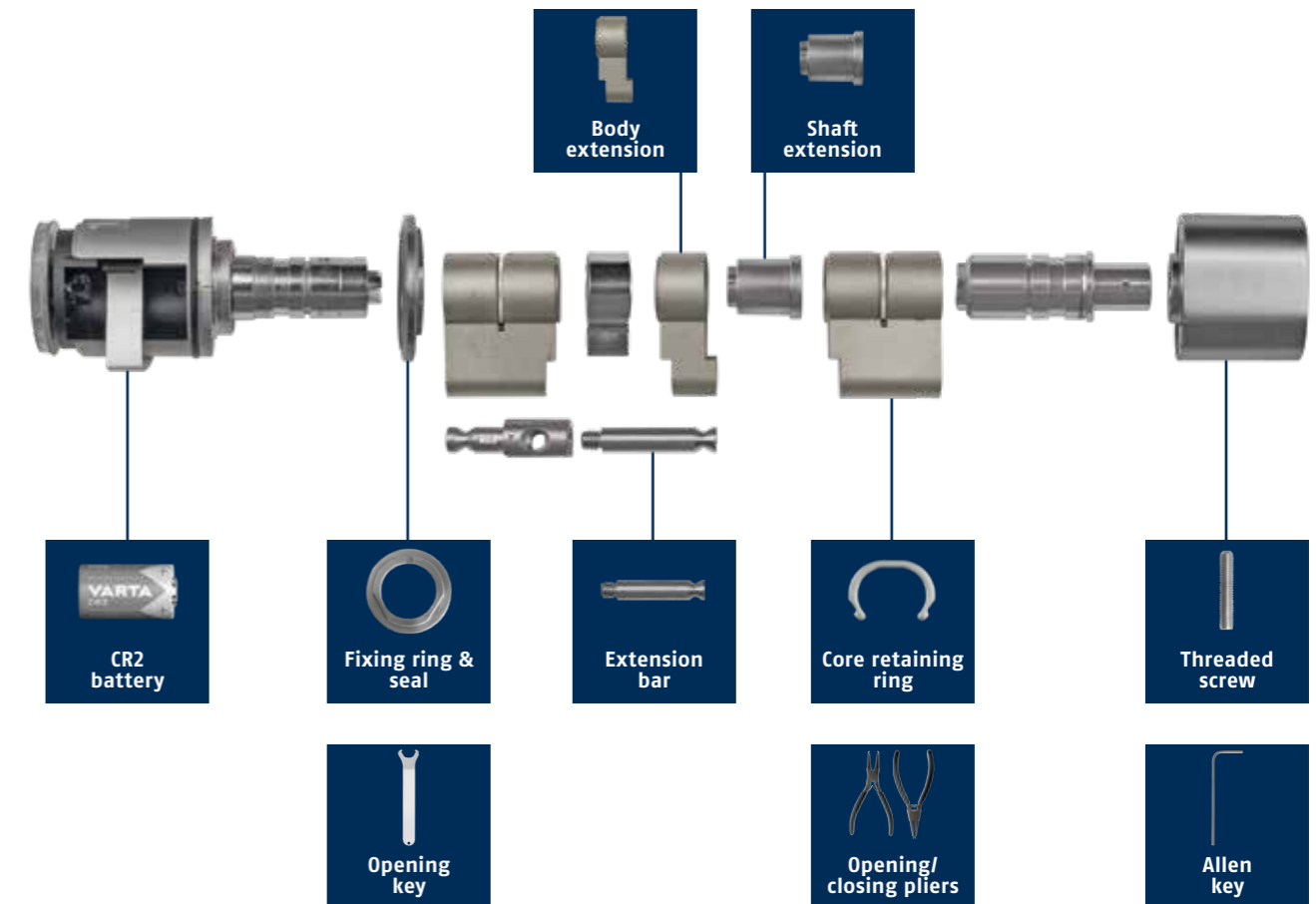
2 LENGTH				
TEC-Z- LA, LA-OI, LA-P, LB	0	30mm - 90mm	I	30mm - 90mm
TEC-Z-HZ	0	30mm - 60mm	I	10mm
TEC-Z- LA-T90, LA-P-T90	0	30mm - 90mm	I	35mm - 90mm
TEC-Z- CH-LA, CH-LB	0	32.5mm - 52.5mm	I	32.5mm - 52.5mm
TEC-Z- CH-HZ	0	32.5mm - 52.5mm	I	11mm



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

4 OUTSIDE KNOB		5 INSIDE KNOB			
ES	Stainless steel Black square				
EG	Stainless steel Grey square				
RS	Stainless steel Black Round				
			SQ	Stainless steel square	
			ES	Stainless steel Narrow	

## CYLINDER STRUCTURE



<sup>1</sup>OPZ: Special version of the axle for use in fittings with cylinder protection

<sup>2</sup>SKG\*\*\*

<sup>3</sup>FZG authorised

## CYLINDERS EURO PROFILE & PADLOCK



**Item number**      **TEC-Z-LA**                      **TEC-Z-LA-OI**                      **TEC-Z-LA-T90**

**Description**

- |   |   |  |
|---|---|--|
| <ul style="list-style-type: none"> <li>• Electronic TECTIQ double knob cylinder for secure, simple and flexible installation on almost all doors (solid leaf, profile frame, timber, aluminium, steel, plastic)</li> <li>• 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)</li> </ul> | <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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);</li> </ul> | <ul style="list-style-type: none"> <li>• Electronic TECTIQ double knob cylinder for secure yet simple and flexible installation on T90 fire doors</li> <li>• High-quality T90 double knob cylinder (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)</li> </ul> |
|---|---|--|

Item abbreviation	TEC-Z-LA	TEC-Z-LA-OI	TEC-Z-LA-T90
<b>Product range</b>	TECTIQ	TECTIQ	TECTIQ
<b>Dimensions</b>	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
<b>Cylinder profiles</b>	Euro profile	Euro profile	Euro profile
<b>Drill protection</b>	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)
<b>Modularity</b>	Yes	Yes	Yes
<b>Extension steps</b>	5 mm (modular)	5 mm (modular)	5 mm (modular)
<b>Colour</b>	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
<b>IP protection class</b>	67	67	67
<b>Battery - type</b>	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206
<b>Battery compartment</b>	In outer knob	In outer knob	In outer knob
<b>Battery - runtime</b>	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
<b>Battery warning stages</b>	2 levels	2 levels	2 levels
<b>Signalling</b>	Visual	Visual	Visual
<b>Security features</b>	Freely rotating outside knob to prevent manipulation, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection	Freely rotating knob to prevent manipulation, engagement only when an authorised locking medium is presented, predetermined breaking point on knob, drilling protection	Freely rotating outside knob to prevent manipulation, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection
<b>Transponder encryption</b>	AES 128-Bit	AES 128-Bit	AES 128-Bit
<b>RFID technology</b>	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
<b>Programming technology</b>	RFID (13.56 MHz)   Bluetooth (2.4 GHz)	RFID (13.56 MHz)   Bluetooth (2.4 GHz)	RFID (13.56 MHz)   Bluetooth (2.4 GHz)
<b>Wireless standard</b>	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz
<b>Certifications</b>	EN 15684:2020 1-6-B-4-x-D-3-A/D, optional SKG*** (with Security drilling protection)	EN 15684:2020 1-6-B-4-x-D-3-A/D, optional SKG*** (with Security drilling protection)	EN 15684:2020 1-6-B-4-x-D-3-A/D, optional SKG*** (with Security drilling protection)
<b>Scope of delivery</b>	1 x TECTIQ double knob cylinder, reader outside • 1 x VARTA Lithium battery 3V • 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 • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ double knob cylinder, reader outside T90 • 1 x VARTA Lithium battery 3V • 1 x Quick Guide • 1 x Fixing screw
<b>Required accessories</b>	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)
<b>Recommended accessories</b>	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**

**Description**

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Electronic TECTIQ panic double knob cylinder for secure, simple and flexible installation on almost all doors (solid leaf, profile frame, timber, aluminium, steel, plastic)</li> <li>• 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)</li> <li>• 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</li> <li>• The cylinder can be programmed via Bluetooth with the TECTIQ Admin app and, for example, receive a new time or the latest firmware update</li> <li>• Elegant design in different Design variants to match the style of your building thanks to different colours and knobs</li> </ul> | <ul style="list-style-type: none"> <li>• 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.</li> <li>• High-quality T90 panic cylinder (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)</li> <li>• 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</li> <li>• The cylinder can be programmed via Bluetooth with the TECTIQ Admin app and, for example, receive a new time or the latest firmware update</li> <li>• Elegant design in different Design variants to match the style of your building thanks to different colours and knobs</li> </ul> |
|--|---|

Item abbreviation	TEC-Z-LA-P	TEC-Z-LA-P-T90
<b>Product range</b>	TECTIQ	TECTIQ
<b>Dimensions</b>	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
<b>Cylinder profiles</b>	Euro profile	Euro profile
<b>Drill protection</b>	Standard   Security (SKG***/EN 15684 clause 8 class D)	Standard   Security (SKG***/EN 15684 clause 8 class D)
<b>Modularity</b>	Yes	Yes
<b>Extension steps</b>	5 mm (modular)	5 mm (modular)
<b>Colour</b>	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
<b>IP protection class</b>	67	67
<b>Battery - type</b>	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206
<b>Battery compartment</b>	In outer knob	In outer knob
<b>Battery - runtime</b>	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
<b>Battery warning stages</b>	2 levels	2 levels
<b>Signalling</b>	Visual	Visual
<b>Security features</b>	Freely rotating outside knob to prevent manipulation, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection	Freely rotating outside knob to prevent manipulation, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection
<b>Transponder encryption</b>	AES 128-Bit	AES 128-Bit
<b>RFID technology</b>	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
<b>Programming technology</b>	RFID (13.56 MHz)   Bluetooth (2.4 GHz)	RFID (13.56 MHz)   Bluetooth (2.4 GHz)
<b>Wireless standard</b>	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz
<b>Certifications</b>	EN 15684:2020 1-6-B-4-x-D-3-A/D, optional SKG*** (with Security drilling protection)	EN 15684:2020 1-6-B-4-x-D-3-A/D, optional SKG*** (with Security drilling protection)
<b>Scope of delivery</b>	1 x TECTIQ double knob cylinder, reader outside panic • 1 x VARTA Lithium battery 3V • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ double knob cylinder, reader outside panic T90 • 1 x VARTA Lithium battery 3V • 1 x Quick Guide • 1 x Fixing screw
<b>Required accessories</b>	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)
<b>Recommended accessories</b>	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"> <li>Electronic TECTIQ double knob cylinder for secure, simple and flexible installation on almost all connecting doors (solid leaf, profile frame, timber, aluminium, steel, plastic)</li> <li>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)</li> </ul>	<ul style="list-style-type: none"> <li>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</li> <li>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)</li> </ul>	<ul style="list-style-type: none"> <li>Electronic TECTIQ padlock for use with ABUS TECTIQ, the electronic data-on-card locking system</li> <li>For securing chains, doors and gates, server and switch cabinets, medicine and filing cabinets, lockers, parcel, mesh and transport boxes, containers, sheds, etc.</li> </ul>

Item abbreviation	TEC-Z-LB	TEC-Z-HZ	TEC-VH-86TI-55
<b>Product range</b>	TECTIQ	TECTIQ	TECTIQ
<b>Dimensions</b>	knob: L = 48 mm, Ø = 38 mm	knob: L = 48 mm, Ø = 38 mm	knob: L = 48 mm, Ø = 38 mm
<b>Cylinder profiles</b>	Euro profile	Euro profile	Euro profile
<b>Drill protection</b>	Standard   Security (SKG***/EN 15684 clause 8 class D)	Standard   Security (SKG***/EN 15684 clause 8 class D)	Standard
<b>Modularity</b>	Yes	Yes	-
<b>Extension steps</b>	5 mm (modular)	5 mm (modular)	-
<b>Colour</b>	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
<b>IP protection class</b>	67	67	67
<b>Battery - type</b>	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206
<b>Battery compartment</b>	In knob	In knob	In knob
<b>Battery - runtime</b>	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
<b>Battery warning stages</b>	2 levels	2 levels	2 levels
<b>Signalling</b>	Visual	Visual	Visual
<b>Security features</b>	Freely rotating outside knob to prevent manipulation, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection	Freely rotating knob to prevent manipulation, engagement only when an authorised locking medium is presented, predetermined breaking point on knob, drilling protection	Freely rotating knob to prevent manipulation, engagement only when an authorised locking medium is presented, predetermined breaking point on knob, drilling protection
<b>Transponder encryption</b>	AES 128-Bit	AES 128-Bit	AES 128-Bit
<b>RFID technology</b>	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
<b>Programming technology</b>	RFID (13.56 MHz)   Bluetooth (2.4 GHz)	RFID (13.56 MHz)   Bluetooth (2.4 GHz)	RFID (13.56 MHz)   Bluetooth (2.4 GHz)
<b>Wireless standard</b>	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz
<b>Certifications</b>	EN 15684:2020 1-6-B-4-x-D-3-A/D, optional SKG*** (with Security drilling protection)	EN 15684:2020 1-6-B-4-x-D-3-A/D, optional SKG*** (with Security drilling protection)	-
<b>Scope of delivery</b>	1 x TECTIQ double knob cylinder, reader both sides • 2 x VARTA Lithium battery 3V • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ half cylinder • 1 x VARTA Lithium battery 3V • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ padlock 86TI/55 – black • 1 x VARTA Lithium battery 3V • 1 x Quick Guide
<b>Required accessories</b>	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)
<b>Recommended accessories</b>	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"> <li>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)</li> <li>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)</li> </ul>	<ul style="list-style-type: none"> <li>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)</li> <li>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)</li> </ul>	<ul style="list-style-type: none"> <li>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</li> <li>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)</li> </ul>

Item abbreviation	TEC-Z-CH-LA	TEC-Z-CH-LB	TEC-Z-CH-HZ
<b>Product range</b>	TECTIQ	TECTIQ	TECTIQ
<b>Dimensions</b>	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
<b>Cylinder profiles</b>	Swiss round	Swiss round	Swiss round
<b>Drill protection</b>	Security (EN 15684 Ziffer 8 Klasse D)	Security (EN 15684 Ziffer 8 Klasse D)	Security (EN 15684 Ziffer 8 Klasse D)
<b>Extension steps</b>	5 mm	5 mm	5 mm
<b>Colour</b>	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
<b>IP protection class</b>	67	67	67
<b>Battery - type</b>	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206
<b>Battery compartment</b>	In outer knob	In knob	In knob
<b>Battery - runtime</b>	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
<b>Battery warning stages</b>	2 levels	2 levels	2 levels
<b>Signalling</b>	Visual	Visual	Visual
<b>Security features</b>	Freely rotating outside knob to prevent manipulation, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection	Freely rotating outside knob to prevent manipulation, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection	Freely rotating outside knob to prevent manipulation, engagement only when an authorised locking medium is presented, predetermined breaking point on outside knob, drilling protection
<b>Transponder encryption</b>	AES 128-Bit	AES 128-Bit	AES 128-Bit
<b>RFID technology</b>	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
<b>Programming technology</b>	RFID (13.56 MHz)   Bluetooth (2.4 GHz)	RFID (13.56 MHz)   Bluetooth (2.4 GHz)	RFID (13.56 MHz)   Bluetooth (2.4 GHz)
<b>Wireless standard</b>	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz
<b>Certifications</b>	EN 15684:2020 1-6-B-4-x-D-3-A/D	EN 15684:2020 1-6-B-4-x-D-3-A/D	EN 15684:2020 1-6-B-4-x-D-3-A/D
<b>Scope of delivery</b>	1 x TECTIQ double knob cylinder, reader outside CH • 1 x VARTA Lithium battery 3V • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ double knob cylinder, reader both sides CH • 2 x VARTA Lithium battery 3V • 1 x Quick Guide • 1 x Fixing screw	1 x TECTIQ half cylinder CH • 1 x VARTA Lithium battery 3V • 1 x Quick Guide • 1 x Fixing screw
<b>Required accessories</b>	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)
<b>Recommended accessories</b>	-	-	-

## CYLINDERS SCANDINAVAN OVAL



Item number **TTZSKO-OS**















Item number **TTZSKO-IS**

















Description	TECTIQ double knob cylinder Scandinavian Oval (outside)	TECTIQ double knob cylinder Scandinavian Oval Rokoko (inside)
	<ul style="list-style-type: none"> <li>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)</li> <li>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)</li> <li>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</li> <li>The cylinder can be programmed via Bluetooth with the TECTIQ Admin app and, for example, receive a new time or the latest firmware update</li> <li>Elegant design in different Design variants to match the style of your building thanks to different colours and knobs</li> <li>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</li> <li>Tested, certified quality: CE, EN 15684, SKG*** (security drill protection) and fire protection T30</li> </ul>	<ul style="list-style-type: none"> <li>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)</li> <li>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)</li> <li>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</li> <li>The cylinder can be programmed via Bluetooth with the TECTIQ Admin app and, for example, receive a new time or the latest firmware update</li> <li>Elegant design in different Design variants to match the style of your building thanks to different colours and knobs</li> <li>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</li> <li>Tested, certified quality: CE, EN 15684 and fire protection T30</li> </ul>
<b>Item abbreviation</b>	TEC-Z-SKO-OS	TEC-Z-SKO-IS
<b>Product range</b>	TECTIQ	TECTIQ
<b>Dimensions</b>	knob: L = 48 mm, Ø = 38 mm	knob: L = 48 mm, Ø = 38 mm
<b>Cylinder profiles</b>	Scandinavian Oval	Scandinavian Oval
<b>Drill protection</b>	Security (SKG*** / EN 15684 clause 8 class D)	Standard
<b>Colour</b>	knob: brushed stainless steel black   Cylinder body: brushed stainless steel	knob: brushed stainless steel black   Cylinder body: brushed stainless steel
<b>IP protection class</b>	67	67
<b>Battery - type</b>	VARTA Lithium battery 3V CR2/CR15H270/6206	VARTA Lithium battery 3V CR2/CR15H270/6206
<b>Battery compartment</b>	In knob	In knob
<b>Battery - runtime</b>	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
<b>Battery warning stages</b>	2 levels	2 levels
<b>Signalling</b>	Visual	Visual
<b>Security features</b>	Freely rotating knob to prevent manipulation, engagement only when an authorised locking medium is presented, predetermined breaking point on knob, drilling protection	Freely rotating knob to prevent manipulation, engagement only when an authorised locking medium is presented, predetermined breaking point on knob, drilling protection
<b>Transponder encryption</b>	AES 128-Bit	AES 128-Bit
<b>RFID technology</b>	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
<b>Programming technology</b>	RFID (13.56 MHz)   Bluetooth (2.4 GHz)	RFID (13.56 MHz)   Bluetooth (2.4 GHz)
<b>Wireless standard</b>	Bluetooth Low Energy 2,4 GHz	Bluetooth Low Energy 2,4 GHz
<b>Certifications</b>	EN 15684:2020 1-6-B-4-x-D-3-A/D, optional SKG*** (with Security drilling protection)	EN 15684:2020 1-6-B-4-x-D-3-A/D, optional SKG*** (with Security drilling protection)
<b>Scope of delivery</b>	1 x TECTIQ double knob cylinder Scandinavian Oval (outside) · 1 x VARTA Lithium battery 3V · 1 x Quick Guide	1 x TECTIQ double knob cylinder Scandinavian Oval Rokoko (inside) · 1 x VARTA Lithium battery 3V · 1 x Quick Guide
<b>Required accessories</b>	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)	ACWZ00002 Tool set for battery exchange (TECTIQ/WLX Pro cylinder)
<b>Recommended accessories</b>	-	-

## 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
 TTY90001	TECTIQ electronic knob with motor Standard (spare part)		
 TTY90002	TECTIQ electronic knob with motor Security (spare part)		
 TTY90003	TECTIQ electronic 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

<b>TECTIQ:</b> TEC-Z-LA TEC-Z-LA-01 TEC-Z-LA-T90 TEC-Z-LA-P TEC-Z-LA-P-T90 TEC-Z-LB	<b>wAppLoxx:</b> WLX-PRO-LA WLX-PRO-LA-P WLX-PRO-LA-P-T90 WLX-PRO-LA-S-T90 WLX-PRO-LB	<b>Scope of delivery:</b> 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

<b>TECTIQ:</b> TEC-Z-LA TEC-Z-LA-01 TEC-Z-LA-T90 TEC-Z-LA-P TEC-Z-LA-P-T90 TEC-Z-LB	<b>wAppLoxx:</b> WLX-PRO-LA WLX-PRO-LA-P WLX-PRO-LA-P-T90 WLX-PRO-LA-S-T90 WLX-PRO-LB	<b>Scope of delivery:</b> 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

<b>TECTIQ:</b> TEC-Z-HZ	<b>wAppLoxx:</b> WLX-PRO-HZ	<b>Scope of delivery:</b> 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:



all product images are exemplary images



# NARROW FRAME FITTINGS

## A STRONG DESIGN ELEMENT

The high-quality TECTIQ narrow frame fitting blends into any environment with its clear design language and can be used universally as a battery-operated door component on interior and exterior doors. It couldn't be easier to use: Access is conveniently granted by presenting the locking medium and pressing the door handle in the usual way. With its wide range of variants, it is also the ideal solution for security, escape and fire doors.

### SIMPLE, FLEXIBLE INSTALLATION

For all standard interior and exterior doors – battery-operated and integrated into the system without cables

### UNDERSTATED AND PURIST DESIGN

Fits beautifully and timelessly into the style of any building. Lever handles available in various shapes for even more customisation

### OPTIMUM SECURITY AT THE DOOR

High-quality mechanical burglary and tamper protection. Security variant with certified anti-drilling protection

### HIGH LEVEL OF CONVENIENCE

Intuitive access through familiar operation of the door handle, optionally with mechanical profile cylinder for redundant opening

### VISUAL SIGNALLING

With LED illuminated ring for signalling granted or denied access and other information such as battery warning

### NEW BUILD OR MODERNISATION?

Ideal for fitting in new or existing buildings thanks to uncomplicated installation, can be extended later at any time

### TESTED, CERTIFIED QUALITY

Robustly protected against tampering

### BLUETOOTH LOW ENERGY (BLE)

Efficient, convenient maintenance including firmware updates via over-the-air wireless technology

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



# OVERVIEW OF NARROW FRAME FITTINGS



### TECTIQ narrow frame fitting

3-point screw mounting exterior and interior doors

### TECTIQ Security narrow frame fitting

3-point screw mounting Exterior and security doors

### TECTIQ narrow frame fitting FIX-DIN-short

FH 2-point screw fitting for fire doors

### TECTIQ narrow frame fitting FIX-DIN-round

Round escutcheon screw mounting Office doors

## GENERAL & SECURITY

IP55

IP55 dust-proof, protection against water jets

IP56

IP56 dust-protected, protection against strong water jets



SKG\*\*\* safety certification (drilling, impact and core pulling protection)<sup>1</sup>

EN  
16867

EN 16867 European standard for mechatronic door fittings<sup>1</sup>

## ESCAPE/RESCUE ROUTES

EN  
179

EN 179 Emergency exit devices operated by lever handle or push pad

## FIRE SAFETY



EN 1634 Fire doors with fire resistance class T30



EN 1634 Fire doors with fire resistance class T90

<sup>1</sup> in preparation



### SECURE

Burglary and tamper protection for top security at the door. Also available as security fitting with high-quality SKG\*\*\* certification.



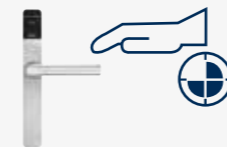
### MECHANICAL

Wide selection of variants with and without mechanical profile cylinder. For optional emergency locking and redundant locking.



### POWERFUL

With commercially available standard battery, up to 90,000 opening and closing cycles, up to 3 years standby time.



### CONVENIENCE

Convenient and secure, intuitive access by means of familiar operation. Optional: permanently open, e.g. during business hours.



### WEATHER PROTECTION

Weatherproof with protection class IP56: Ideal for flexible use on exterior doors.



### DESIGN

Simple and elegant appearance: Fitting body and lever handle in stainless steel look, reader unit in black. Various handle shapes.

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

### 3 APERTURES

Z0	0 closed	1 perforated	
ZZ	0 closed	1 closed	
OZ	0 perforated	1 closed	
00	0 perforated	1 perforated	

perforated      closed

### 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)	
56	IP protection class 56 (closed)	

### 9 COLOUR SELECTION RFID

SM	Black matt	
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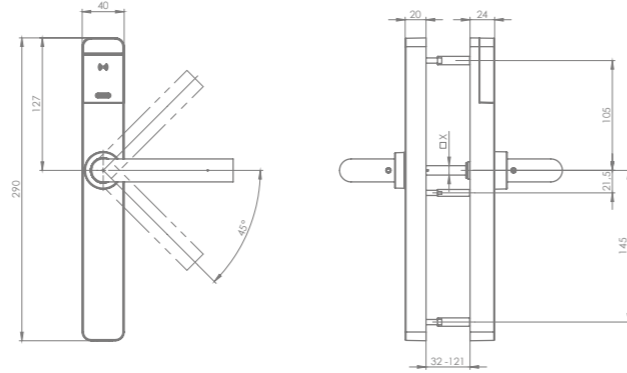
### 10 COLOUR SELECTION APERTURE

E	Stainless steel	
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### 11 COLOUR SELECTION HANDLE

E	Stainless steel	
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## NARROW FRAME FITTINGS

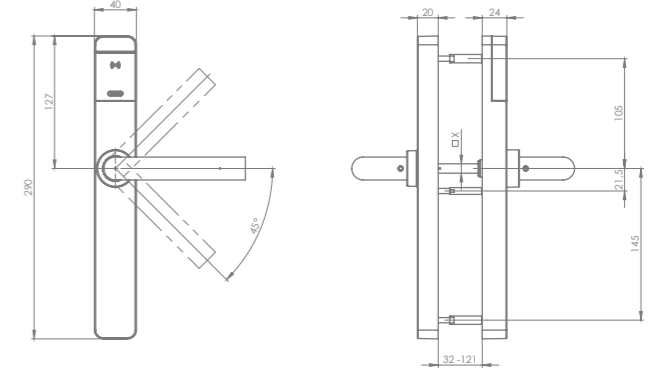


**Item number** TEC-B-LA

**Description** TECTIQ narrow frame fitting

- 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, SKG\*\*\* (Security), EN 1634-1, 2
- Discreet colouring; fitting body and lever handle: stainless steel; RFID reader unit: black

<b>Item abbreviation</b>	TEC-B-LA
<b>Product range</b>	TECTIQ
<b>Dimensions</b>	289 x 40 x 24 mm
<b>Design</b>	Narrow frame fitting
<b>Area of application</b>	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
<b>Fixing points</b>	3-point screw connection: 105 mm (above spindle), 21.5 mm, 145 mm (below spindle)
<b>Distance measure</b>	without profile cylinder perforation, Euro profile: 72 mm, 88 mm, 92 mm; Swiss round cylinder: 78 mm, 90 mm, 94 mm
<b>Selection of handle forms</b>	L-shaped, mitre, U-shaped, double mitre, U-shaped offset, double mitre offset, ball lever handle
<b>Handle travel</b>	Max: 45°, upward movement possible
<b>Colour</b>	Black / Silver
<b>Battery - type</b>	3 x Varta Ultra Lithium L92 Micro AAA
<b>Battery compartment</b>	In the interior fitting
<b>Battery - runtime</b>	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
<b>Battery warning stages</b>	2 levels (optical/delayed access)
<b>Signalling</b>	Optical
<b>Security features</b>	Freely operable external handle to prevent tampering, engagement only when an authorised locking medium is presented
<b>Transponder encryption</b>	AES 128-bit
<b>RFID technology</b>	MIFARE DESFire EV1, EV2, EV3
<b>Programming technology</b>	BLE 2.4 GHz, RFID 13.56 MHz
<b>Wireless standard</b>	Bluetooth Low Energie 2.4 GHz
<b>Certifications</b>	DIN EN16867 Class 4, EN179, IP53 (IP56)
<b>Scope of delivery</b>	1 x Fitting inside • 1 x External fitting, external adapter panel, renovation panel • 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 - 08.8 - galvanised 5 µm - TX • 2 x Standard threaded sleeves • 1 x Spindle • 1 x Threaded sleeves Security • 1 x Cable mounting aid

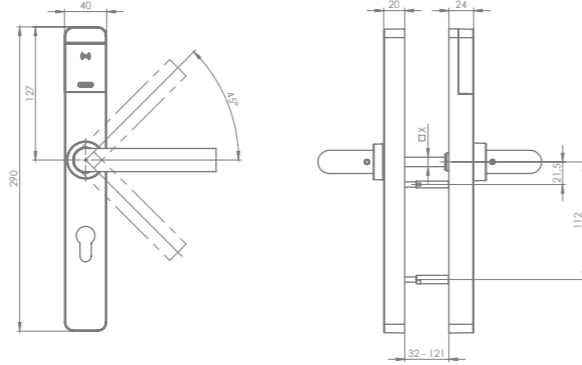


**Item number** TEC-B-LA-SEC

**Description** TECTIQ Security narrow frame fitting

- 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 (IP56) with door thicknesses of 32-121 mm, for installation with cylinder or without; flexible installation on any door (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

<b>Item abbreviation</b>	TEC-B-LA-SEC
<b>Product range</b>	TECTIQ
<b>Dimensions</b>	289 x 40 x 24 mm
<b>Design</b>	Narrow frame fitting
<b>Area of application</b>	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
<b>Fixing points</b>	3-point screw connection: 105 mm (above spindle), 21.5 mm, 145 mm (below spindle)
<b>Distance measure</b>	without profile cylinder perforation, Euro profile: 92 mm
<b>Selection of handle forms</b>	L-shaped, mitre, U-shaped, double mitre, U-shaped offset, double mitre offset, ball lever handle
<b>Handle travel</b>	Max: 45°, upward movement possible
<b>Colour</b>	Black / Silver
<b>Battery - type</b>	3 x Varta Ultra Lithium L92 Micro AAA
<b>Battery compartment</b>	In the interior fitting
<b>Battery - runtime</b>	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
<b>Battery warning stages</b>	2 levels (optical/delayed access)
<b>Signalling</b>	Optical
<b>Security features</b>	Freely operable external handle to prevent tampering, engagement only when an authorised locking medium is presented
<b>Transponder encryption</b>	AES 128-bit
<b>RFID technology</b>	MIFARE DESFire EV1, EV2, EV3
<b>Programming technology</b>	BLE 2.4 GHz, RFID 13.56 MHz
<b>Wireless standard</b>	Bluetooth Low Energie 2.4 GHz
<b>Certifications</b>	SKG***, DIN EN16867 Class 4, EN179, IP53 (IP56)
<b>Scope of delivery</b>	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 - 08.8 - galvanised 5 µm - TX • 2 x Standard threaded sleeves • 1 x Spindle • 1 x Threaded sleeves Security • 1 x Cable mounting aid

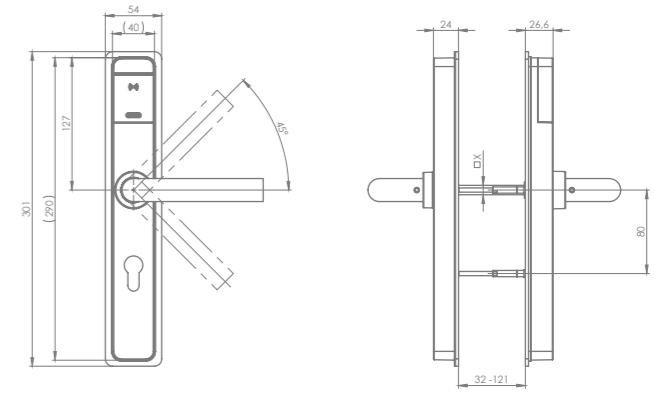


**Item number** TEC-B-LA-FIX-DK

**Description** TECTIQ narrow frame fitting FIX-DIN-short

- 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

<b>Item abbreviation</b>	TEC-B-LA-FIX-DK
<b>Product range</b>	TECTIQ
<b>Dimensions</b>	289 x 40 x 24 mm
<b>Design</b>	Narrow frame fitting
<b>Area of application</b>	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
<b>Fixing points</b>	DIN short shield screw connection
<b>Distance measure</b>	without profile cylinder perforation, Euro profile: 72 mm
<b>Selection of handle forms</b>	L-shaped, mitre, U-shaped, double mitre, U-shaped offset, double mitre offset, ball lever handle
<b>Handle travel</b>	Max: 45°, upward movement possible
<b>Colour</b>	Black / Silver
<b>Battery - type</b>	3 x Varta Ultra Lithium L92 Micro AAA
<b>Battery compartment</b>	In the interior fitting
<b>Battery - runtime</b>	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
<b>Battery warning stages</b>	2 levels (optical/delayed access)
<b>Signalling</b>	Optical
<b>Security features</b>	Freely operable external handle to prevent tampering, engagement only when an authorised locking medium is presented
<b>Transponder encryption</b>	AES 128-bit
<b>RFID technology</b>	MIFARE DESFire EV1, EV2, EV3
<b>Programming technology</b>	BLE 2.4 GHz, RFID 13.56 MHz
<b>Wireless standard</b>	Bluetooth Low Energie 2.4 GHz
<b>Certifications</b>	DIN EN16867 Class 4, EN179, IP53 (IP56)
<b>Scope of delivery</b>	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 - 08.8 - galvanised 5 µm - TX • 2 x Standard threaded sleeves • 1 x Spindle • 1 x Threaded sleeves Security • 1 x Cable mounting aid

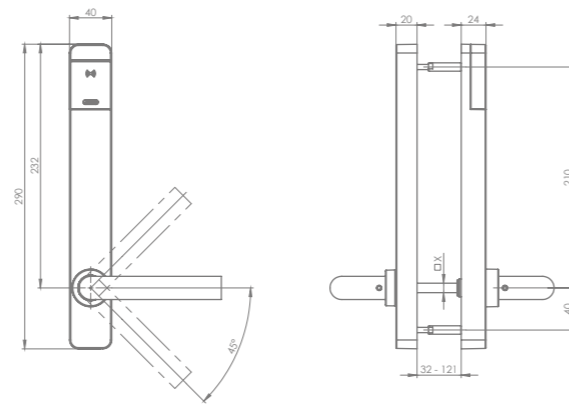


**Item number** TEC-B-LA-FIX-DR

**Description** TECTIQ narrow frame fitting FIX-DIN-round

- 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

<b>Item abbreviation</b>	TEC-B-LA-FIX-DR
<b>Product range</b>	TECTIQ
<b>Dimensions</b>	289 x 54 x 27 mm
<b>Design</b>	Narrow frame fitting with adapter plate
<b>Area of application</b>	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
<b>Fixing points</b>	DIN round rosette screw fitting
<b>Distance measure</b>	without profile cylinder perforation, Euro profile: 72 mm
<b>Selection of handle forms</b>	L-shaped, mitre, U-shaped, double mitre, U-shaped offset, double mitre offset, ball lever handle
<b>Handle travel</b>	Max: 45°, upward movement possible
<b>Colour</b>	Black / Silver
<b>Battery - type</b>	3 x Varta Ultra Lithium L92 Micro AAA
<b>Battery compartment</b>	In the interior fitting
<b>Battery - runtime</b>	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
<b>Battery warning stages</b>	2 levels (optical/delayed access)
<b>Signalling</b>	Optical
<b>Security features</b>	Freely operable external handle to prevent tampering, engagement only when an authorised locking medium is presented
<b>Transponder encryption</b>	AES 128-bit
<b>RFID technology</b>	MIFARE DESFire EV1, EV2, EV3
<b>Programming technology</b>	BLE 2.4 GHz, RFID 13.56 MHz
<b>Wireless standard</b>	Bluetooth Low Energie 2.4 GHz
<b>Certifications</b>	DIN EN16867 Class 4, EN179, IP53 (IP56)
<b>Scope of delivery</b>	1 x Fitting inside, adapter plate inside • 1 x Outside fitting • 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 - 08.8 - galvanised 5 µm - TX • 4 x Threaded sleeves standard, threaded sleeves adapter plate • 1 x Spindle • 1 x Threaded sleeves Security • 1 x Cable mounting aid

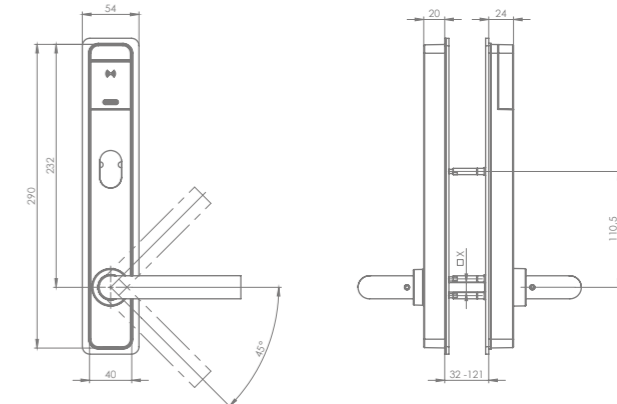


**Item number** TEC-B-SK-LA

**Description** TECTIQ narrow frame fitting Scandinavia

- 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, SKG\*\*\* (Security), EN 1634-1, 2
- Discreet colouring; fitting body and lever handle: stainless steel; RFID reader unit: black

<b>Item abbreviation</b>	TEC-B-SK-LA
<b>Product range</b>	TECTIQ
<b>Dimensions</b>	289 x 40 x 24 mm
<b>Design</b>	Narrow frame fitting
<b>Area of application</b>	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
<b>Fixing points</b>	2-point screw connection: 210 mm (above spindle), 40 mm (below spindle)
<b>Distance measure</b>	without profile cylinder perforation, Oval profile: 105 mm
<b>Selection of handle forms</b>	L-shaped, mitre, U-shaped, double mitre, U-shaped offset, double mitre offset, ball lever handle
<b>Handle travel</b>	Max: 45°, upward movement possible
<b>Colour</b>	Black / Silver
<b>Battery - type</b>	3 x Varta Ultra Lithium L92 Micro AAA
<b>Battery compartment</b>	In the interior fitting
<b>Battery - runtime</b>	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
<b>Battery warning stages</b>	2 levels (optical/delayed access)
<b>Signalling</b>	Optical
<b>Security features</b>	Freely operable external handle to prevent tampering, engagement only when an authorised locking medium is presented
<b>Transponder encryption</b>	AES 128-bit
<b>RFID technology</b>	MIFARE DESFire EV1, EV2, EV3
<b>Programming technology</b>	BLE 2.4 GHz, RFID 13.56 MHz
<b>Wireless standard</b>	Bluetooth Low Energie 2.4 GHz
<b>Certifications</b>	DIN EN16867 Class 4, EN179, IP53
<b>Scope of delivery</b>	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 - 08.8 - galvanised 5 µm - TX • 2 x Standard threaded sleeves • 1 x 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







- 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
- 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, SKG\*\*\* (Security), EN 1634-1, 2
- Colour of fitting body and lever handle: stainless steel; RFID reader unit: black

<b>Item abbreviation</b>	TEC-B-SK-LA-FIX-W
<b>Product range</b>	TECTIQ
<b>Dimensions</b>	289 x 54 x 27 mm
<b>Design</b>	Narrow frame fitting with adapter plate
<b>Area of application</b>	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
<b>Fixing points</b>	Scandinavian wide shield bolting
<b>Distance measure</b>	without profile cylinder perforation, Oval profile: 105 mm
<b>Selection of handle forms</b>	L-shaped, mitre, U-shaped, double mitre, U-shaped offset, double mitre offset, ball lever handle
<b>Handle travel</b>	Max: 45°, upward movement possible
<b>Colour</b>	Black / Silver
<b>Battery - type</b>	3 x Varta Ultra Lithium L92 Micro AAA
<b>Battery compartment</b>	In the interior fitting
<b>Battery - runtime</b>	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
<b>Battery warning stages</b>	2 levels (optical/delayed access)
<b>Signalling</b>	Optical
<b>Security features</b>	Freely operable external handle to prevent tampering, engagement only when an authorised locking medium is presented
<b>Transponder encryption</b>	AES 128-bit
<b>RFID technology</b>	MIFARE DESFire EV1, EV2, EV3
<b>Programming technology</b>	BLE 2.4 GHz, RFID 13.56 MHz
<b>Wireless standard</b>	Bluetooth Low Energie 2.4 GHz
<b>Certifications</b>	DIN EN16867 Class 4, EN179, IP53
<b>Scope of delivery</b>	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, Quickguide 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 - 08.8 - galvanised 5 µm - TX • 4 x Threaded sleeves standard, threaded sleeves adapter plate • 1 x Spindle • 1 x Threaded sleeves Security • 1 x Cable mounting aid

## ACCESSORIES NARROW FRAME FITTINGS





### 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 (w. PZ)/ IP56 (w. PZ)		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:



## 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



# READER & CONTROL UNITS

## HIGH PERFORMANCE AND ATTRACTIVE DESIGN

The TECTIQ reader units make a good impression at first glance and impress with their scratch-resistant glass surfaces in understated white or black. Operation is quick, secure and contactless by means of presenting RFID locking media. The reader unit provides clear feedback by means of a coloured LED strip and a signal tone.

The reader units are available for indoor and outdoor use and, together with the control units, form the perfect team for controlling electronic locking components such as electric door openers, motorised locks and gates. Depending on the control unit selected, the reader unit functions as a wall reader in stand-alone mode or as an update terminal, e.g. for validating and updating locking media.



Elegant, versatile, intelligent: The stylish wall reader fits any entrance or passageway and opens doors. As an update terminal, it is also used to validate/update RFID transponders, including software synchronisation.



### TECTIQ indoor reader unit IP44

With high-quality, tough and durable glass cover, RFID reader and BLE indoor area



### TECTIQ outdoor reader unit IP67

Waterproof version with robust metal housing  
Unprotected outdoor area



### TECTIQ control unit update terminal

Real-time connection to the system (online)  
For exchanging data with the software/database



### TECTIQ wall reader control unit

No connection to the system (offline)  
Stand-alone use

# OVERVIEW OF WALL READERS

## DESIGN MEETS FUNCTION

The TECTIQ wall reader makes a good impression at first glance with its high-quality design with real glass. Together with the control unit, the wall reader forms the perfect team for controlling electronic locking components such as electric door openers, motorised locks and gates.

### WALL READER IN STAND-ALONE OPERATION

Reader unit with RFID reader for operation with TECTIQ wall reader control unit

### OPTICAL & ACOUSTIC SIGNALLING

Confirmation of successful and unauthorised access by means of a confirmation tone and coloured status LED

### CONTROL LOCKING ELEMENTS

The wall reader integrates electric door openers, roller shutters, barriers, etc. into the TECTIQ system in order to manage them in the software and open them with TECTIQ locking media

### INDOOR & OUTDOOR USE

Available in IP44-Indoor for indoor use or IP67-Outdoor (waterproof) for unprotected outdoor use



**TECTIQ reader unit IP44**  
Indoor



**TECTIQ reader unit IP67**  
Outdoor use

READER & CONTROL UNITS



#### SECURELY PROTECTED

The intelligence is not in the reader but in the control unit. This is not accessible from the outside when mounted remotely.



#### SECURED

Buffering of date and time enables safe continued operation even after a power interruption.



#### FLEXIBLE MOUNTING

Freely positionable reader: up to 100 m cable length to the control unit – without any physical connection to the access control panel.

# OVERVIEW OF UPDATE TERMINAL

## THE INTELLIGENT REAL-TIME INTERMEDIARY

When new access authorisations are issued, changes made to the key plan or user profiles updated, the locking media must also be updated. Updates are carried out decentrally for all persons (employees and other authorised persons with locking media) via intelligent network-integrated control units with connected RFID readers, called update terminals.

TECTIQ update terminals simultaneously grant access to the building by activating electronic locking components such as electric door openers, motorised locks or barriers. This is why they are generally placed at main and staff entrances. In addition, information on access events and battery warnings for used door components are also fed back into the system when the locking media are presented at the update terminal.

To ensure that all locking media are regularly updated and a high level of security is maintained, it is advisable to limit the validity of access authorisations. The key permissions can then be refreshed and updated at the update terminal by validation, for example, on arrival at the property via the first access to the building.

### REAL-TIME CONNECTION TO THE SOFTWARE

All update terminals integrated into the system, regardless of their location, synchronise with the TECTIQ Access Manager

### VALIDATE, UPDATE & LOG

Bidirectional data exchange: write updated validity and permissions from the software to the locking media. Read out logs and system information from the locking media

### CONTROL LOCKING ELEMENTS

The Update Terminal offers the option of integrating electronic door openers, roller shutters, barriers etc. into the TECTIQ system in order to manage them in the software and open them with TECTIQ locking media

### CONVENIENT, EFFICIENT, SECURE

The use of update terminals offers a high level of user convenience for employees, efficient processes and the secure, prompt implementation of permission changes, e.g. when blocking a lost locking medium



**TECTIQ reader unit  
IP44**  
Indoor



**TECTIQ reader unit  
IP67**  
Outdoor use



#### INSTALLATION

Installation is the same as for the wall reader. The reader unit is identical, but in this case is connected to the online-capable control unit.



#### ONLINE CONTROL UNIT

The reader unit communicates with the control unit via RS485 bus wiring. This synchronises with the access control centre via LAN.



#### POWER SUPPLY

In LAN mode, simply via Power over Ethernet (PoE), alternatively via 12 V DC

# READER & CONTROL UNITS

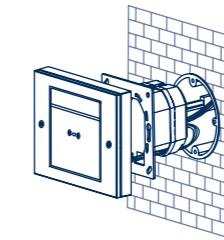
## CONTROL UNITS

Intelligent update terminal or wall reader in stand-alone mode? The choice of control unit determines the function of the reader unit. Two control units are available: the "wall reader" variant and the online-capable "update terminal" variant. For flush mounting in a switch box or optionally in a robust surface-mounted housing. The connection to the reader unit is established via a secure RS-485 interface. Power is supplied via Power-over-Ethernet (PoE) through the network cable or via a separate 12 V power supply unit.

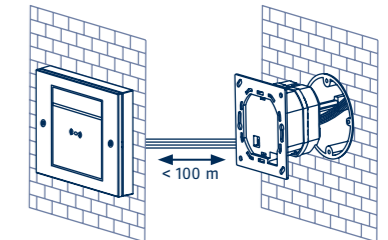
## READER UNITS

The TECTIQ reader units make a good impression at first glance and impress with their scratch-resistant glass surfaces in understated white or black. Operation is quick, secure and contactless via RFID. The reader unit signals operation visually and acoustically. The reader units are available for indoor and outdoor use and, together with the control units, form the perfect team for controlling electronic locking components such as electric door openers, motorised locks and gates. Depending on the control unit selected, the reader unit functions as a wall reader in stand-alone mode or as an update terminal, e.g. for validating and updating locking media.

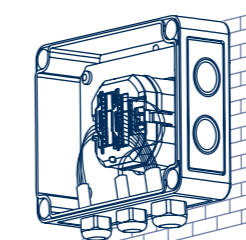
## MOUNTING OPTIONS



Compact installation



Remote installation < 100 m



Installation in surface-mounted housing

## SYSTEM COMPONENT

## CONTROL UNITS

### Update Terminal

- Validate & update locking media
- simultaneous control of door and gate drives
- secure continued operation even in the event of a network failure
- data retention after power failure



Control unit  
Flush-mounted  
update terminal

- online connection via Ethernet
- real-time communication with the access control panel
- Power over Ethernet (PoE)
- relay configuration: NO, NC, NO/NC pulse
- removable connection terminals

### Wall reader

- Offline wall reader (stand-alone)
- great for controlling door and gate drives
- secure continued operation even after a power failure



Control unit  
Flush-mounted  
wall reader

- relay configuration: NO, NC, NO/NC pulse
- removable connection terminals
- Power over Ethernet (PoE)

## READER UNITS



Reader units IP67

Reader units IP44

- **Elegant design** with high-quality, scratch-resistant real glass in an impact-resistant metal housing (IP67) or black (RAL9005) or white (RAL9010) in a GIRA TX44 frame (IP44)
- **Signalling** Status feedback through visual and acoustic signalling
- **Bluetooth Low Energy (BLE)** Efficient, convenient maintenance incl. firmware updates via wireless technology

## READER UNITS



**Item number** TTEWL10044S



**Item number** TTEWL10044W

Description	TECTIQ Reader unit indoor IP44 black	TECTIQ Reader unit indoor IP44 white
	<ul style="list-style-type: none"> <li>Indoor reader unit as RFID reader for operation with the TECTIQ update terminal control unit or TECTIQ control unit via encrypted RS485 bus</li> <li>High 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 100 m cable, without network cable accessible from outside)</li> <li>Elegant design with high-quality, scratch-resistant real glass in black (RAL 9005), in the GIRA TX44 frame</li> <li>Suitable for indoor use with protection class IP44</li> <li>Use in the temperature range from -10 °C to 60 °C at max. 80% humidity (non-condensing)</li> <li>Clear status feedback on the authorisation status through visual and acoustic signalling</li> <li>Simple installation on the control unit (PoE-capable); data transmission (RS485) and power supply via 4-pin connection cable</li> <li>6 m pre-assembled, moulded cable included in the scope of delivery with the reader unit, extension up to 100 m possible (4 × 0.34 mm<sup>2</sup>, shielded)</li> <li>Can be administered via Bluetooth (BLE) with the TECTIQ Admin app</li> </ul>	<ul style="list-style-type: none"> <li>Indoor reader unit as RFID reader for operation with the TECTIQ update terminal control unit or TECTIQ control unit via encrypted RS485 bus</li> <li>High 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 100 m cable, without network cable accessible from outside)</li> <li>Elegant design with high-quality, scratch-resistant real glass in white (RAL 9010), in the GIRA TX44 frame</li> <li>Suitable for indoor use with protection class IP44</li> <li>Use in the temperature range from -10 °C to 60 °C at max. 80% humidity (non-condensing)</li> <li>Clear status feedback on the authorisation status through visual and acoustic signalling</li> <li>Simple installation on the control unit (PoE-capable); data transmission (RS485) and power supply via 4-pin connection cable</li> <li>6 m pre-assembled, moulded cable included in the scope of delivery with the reader unit, extension up to 100 m possible (4 × 0.34 mm<sup>2</sup>, shielded)</li> <li>Can be administered via Bluetooth (BLE) with the TECTIQ Admin app</li> </ul>

Item abbreviation	TEC-WL-44-S	TEC-WL-44-W
Product range	TECTIQ	TECTIQ
Dimensions (W × H × D)	86 x 17 x 110 mm	86 x 17 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 100 m (4 × 0.34 mm <sup>2</sup> , shielded)	6 m cable included in scope of delivery, can be extended up to 100 m (4 × 0.34 mm <sup>2</sup> , 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 (TTS10000, TTS10010), 12 V	Via the control unit (TTS10000, TTS10010), 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	TTS10000 TECTIQ Controller unit update terminal (in-wall) · TTS10010 TECTIQ Controller unit wallreader (in-wall)	TTS10000 TECTIQ Controller unit update terminal (in-wall) · TTS10010 TECTIQ Controller unit wallreader (in-wall)
Recommended accessories	-	-



**Item number** TTEWL10067S



**Item number** TTEWL10067W

Description	TECTIQ Reader unit outdoor IP67 black	TECTIQ Reader unit outdoor IP67 white
	<ul style="list-style-type: none"> <li>Outdoor reader unit as RFID reader for operation with the TECTIQ update terminal control unit or TECTIQ control unit via encrypted RS485 bus</li> <li>High 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 100 m cable, without network cable accessible from outside)</li> <li>Elegant design with high-quality, scratch-resistant real glass in white (RAL 9005), high impact resistance in a robust metal housing (stainless steel look)</li> <li>Suitable for use in unprotected outdoor areas with protection class IP67 (waterproof metal housing moulded at the rear)</li> <li>Use in the temperature range from -20 °C to 70 °C at max. 99% humidity (non-condensing)</li> <li>Clear status feedback on the authorisation status through visual and acoustic signalling</li> <li>Simple installation on the control unit (PoE-capable); data transmission (RS485) and power supply via 4-pin connection cable</li> </ul>	<ul style="list-style-type: none"> <li>Outdoor reader unit as RFID reader for operation with the TECTIQ update terminal control unit or TECTIQ control unit via encrypted RS485 bus</li> <li>High 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 100 m cable, without network cable accessible from outside)</li> <li>Elegant design with high-quality, scratch-resistant real glass in white (RAL 9010), high impact resistance in a robust metal housing (stainless steel look)</li> <li>Suitable for use in unprotected outdoor areas with protection class IP67 (waterproof metal housing moulded at the rear)</li> <li>Use in the temperature range from -20 °C to 70 °C at max. 99% humidity (non-condensing)</li> <li>Clear status feedback on the authorisation status through visual and acoustic signalling</li> <li>Simple installation on the control unit (PoE-capable); data transmission (RS485) and power supply via 4-pin connection cable</li> </ul>

Item abbreviation	TEC-WL-67-S	TEC-WL-67-W
Product range	TECTIQ	TECTIQ
Dimensions (W × H × D)	97 x 20 x 119 mm	97 x 20 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 100 m (4 × 0.34 mm <sup>2</sup> , shielded)	6 m cable included in scope of delivery, can be extended up to 100 m (4 × 0.34 mm <sup>2</sup> , 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 (TTS10000, TTS10010), 12 V	Via the control unit (TTS10000, TTS10010), 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	TTS10000 TECTIQ Controller unit update terminal (in-wall) · TTS10010 TECTIQ Controller unit wallreader (in-wall)	TTS10000 TECTIQ Controller unit update terminal (in-wall) · TTS10010 TECTIQ Controller unit wallreader (in-wall)
Recommended accessories	-	-

## CONTROL UNITS



Item number **TTSG10000**



Item number **TTSG10010**

Description	TECTIQ Controller unit update terminal (in-wall)	TECTIQ Controller unit wallreader (in-wall)
	<ul style="list-style-type: none"> <li>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</li> </ul>	<ul style="list-style-type: none"> <li>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</li> </ul>
<b>Item abbreviation</b>	TEC-SG-UP-ON	TEC-SG-UP-OFF
<b>Product range</b>	TECTIQ	TECTIQ
<b>Dimensions (W × H × D)</b>	71 x 47 x 71 mm	71 x 47 x 71 mm
<b>Area of application</b>	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
<b>Connections</b>	Two plug-in connection terminals	Two plug-in connection terminals
<b>Cabling</b>	Up to 100 m distance between control unit and Ethernet adapter, up to 100 m distance between control unit and reader unit (4 x 0.34 mm <sup>2</sup> , shielded)	Up to 100 m distance between control unit and reader unit (4 x 0.34 mm <sup>2</sup> , shielded)
<b>Installation type</b>	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)
<b>Min. operating temperature</b>	-20 °C	-20 °C
<b>Max. operating temperature</b>	60 °C	60 °C
<b>Humidity</b>	Max. 80 % relative humidity, non-condensing	Max. 80 % relative humidity, non-condensing
<b>DC voltage supply</b>	(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
<b>Max. Power consumption</b>	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)
<b>IP protection class</b>	20	20
<b>Security features</b>	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
<b>Clock buffering for power failure</b>	Max. 3 hours	Max. 3 hours
<b>Interfaces</b>	RS485, Micro-USB, Ethernet/PoE, relay output	RS485, Micro-USB, PoE, relay output
<b>Ethernet interface</b>	Terminal 1/connection 1 - 8 (see mounting instructions)	Power supply (terminal 1/connection 1 - 8)
<b>RS-485 interface</b>	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
<b>Relay outputs</b>	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
<b>Special functions</b>	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
<b>Storage type</b>	Circular buffer: 10,000 events	Circular buffer: 890 events
<b>Communication protocols</b>	TCP/IP, peer-to-peer mediation server	-
<b>Certifications</b>	-	-
<b>Scope of delivery</b>	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
<b>Required accessories</b>	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
<b>Recommended accessories</b>	TTSG80002W TECTIQ Controller Unit blank cover with frame (white) • TTSG80001 TECTIQ Controller Unit surface-mounted housing • 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 • TTSG80002S TECTIQ Controller Unit blank cover with frame (black)

## ACCESSORIES CONTROL UNITS



Item number **TTSG80001**



Item number **TTSG90001**

Description	TECTIQ Controller Unit surface-mounted housing	TECTIQ Controller Unit connection terminals
	<ul style="list-style-type: none"> <li>Surface-mounted industrial housing for the TECTIQ wall reader control unit and the update terminal control unit</li> <li>Industrial housing for optimum protection of the control unit in the case of surface mounting</li> <li>Protects the control unit from dust, liquids and vandalism</li> <li>Industrial housing (IP66) for installation in protected outdoor or indoor areas</li> <li>Robust housing with high impact resistance (IK07)</li> <li>Housing dimensions: 130 x 94 x 81 mm; cable glands included in the scope of delivery.</li> </ul>	<ul style="list-style-type: none"> <li>Connection terminals for the TECTIQ wallreader controller unit and the TECTIQ update terminal controller unit</li> <li>Spare part for simple wiring of TECTIQ controller units</li> <li>Set consisting of both connection terminals (1 &amp; 2)</li> </ul>
<b>Item abbreviation</b>	TEC-SG-Z	TEC-SG-E
<b>Product range</b>	TECTIQ	TECTIQ
<b>Dimensions (W × H × D)</b>	94 x 81 x 130 mm	18 x 11 x 37 mm
<b>Scope of delivery</b>	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)



Item number **TTSG80002W**



Item number **TTSG80002S**

Description	TECTIQ Controller Unit blank cover with frame (white)	TECTIQ Controller Unit blank cover with frame (black)
	<ul style="list-style-type: none"> <li>Blank cover (white) for the TECTIQ controller units for discreet installation in the flush-mounted box</li> <li>Accessory for separate installation of controller unit and reader unit</li> <li>Blank cover suitable for indoor reader unit IP44 white (TTWL10044W)</li> <li>Compatible with the GIRA TX44 frame and switch range</li> </ul>	<ul style="list-style-type: none"> <li>Blank cover (black) for the TECTIQ control units for discreet installation in the flush-mounted box</li> <li>Accessory for separate installation of controller unit and reader unit</li> <li>Blank cover suitable for indoor reader unit IP44 black (TTWL10044S)</li> <li>Compatible with the GIRA TX44 frame and switch range</li> </ul>
<b>Item abbreviation</b>	TEC-SG-Z	TEC-SG-Z
<b>Product range</b>	TECTIQ	TECTIQ
<b>Dimensions (W × H × D)</b>	86 x 17 x 110 mm	86 x 17 x 110 mm
<b>Scope of delivery</b>	1 x Frame (white) • 1 x Dummy cover (white)	1 x Frame (black) • 1 x Dummy cover (black)

# CONTROL PANEL & SOFTWARE

## ACCESS CONTROL PANEL

The control panel is the heart of the TECTIQ system. The database that manages the entire system, including software, door components and update terminals, runs on its hardware.

The TECTIQ Access Manager software is already integrated. This allows administrators to access the database conveniently and flexibly and operate the locking system quickly and easily.

This means that the existing server and database structure in the company does not have to be adapted and a cloud service does not necessarily have to be used.

Smart & mobile: Maintenance tasks can be simplified by using the TECTIQ Admin App.

CONTROL PANEL & SOFTWARE

Easy to operate and respond immediately if keys are lost: The TECTIQ software provides real-time access to the local database of the access control panel.



### TECTIQ access control panel

Local database with integrated software  
Installation separate from the IT infrastructure



### TECTIQ Access Manager

User-friendly software  
Complete locking system management



### TECTIQ Admin App

For system maintenance via smartphone,  
e.g. simply transfer firmware updates via  
Bluetooth or read out door data



### TECTIQ system transponder

The right card for every maintenance task

## CONTROL PANEL & SOFTWARE



**Item number** TTC010000

Description	TECTIQ Access control center
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- 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

<b>Item abbreviation</b>	TEC-CTRL
<b>Product range</b>	TECTIQ
<b>Dimensions (W × H × D)</b>	247 x 53 x 277 mm
<b>Area of application</b>	Protected indoor area (e.g. server and infrastructure rooms, secured indoor areas)
<b>Connections</b>	Power supply, network interface (Ethernet) RJ45, USB 2.0
<b>Functions</b>	Access control panel for the TECTIQ system, locally integrated database, device management
<b>Number of persons</b>	Max. 2.000
<b>Number of offline door components</b>	When using ABUS MIFARE® DESFire® EV1 4K locking media: Total of offline door components and door groups = max. 4,008
<b>Number of schedules</b>	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
<b>DC voltage supply</b>	12 V
<b>Signalling</b>	Status LEDs (power, update, terminal communication, internet status)
<b>Clock buffering for power failure</b>	Yes
<b>Operation</b>	TECTIQ Access Manager
<b>Operating mode</b>	Data-on-Card via desktop reader and optional online update terminals (also across locations)
<b>Database type</b>	Local database in the access control panel
<b>Remote access</b>	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
<b>Security features</b>	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
<b>Network integration</b>	Discovery service or manual addition
<b>Internet communication connections</b>	No internet connection required for local use, optional: NTP (date/time synchronisation), highly secure encrypted communication via peer-to-peer mediation server (remote access)
<b>Scope of delivery</b>	1 x TECTIQ Access control center • 1 x CR1220 3 V backup battery (article no: ACAC00074) • 1 x Quick Guide
<b>Required accessories</b>	TTTL10000 TECTIQ Desktop Reader USB • 505366 International plug-in power supply 12V/1.5A • TTAM10000 TECTIQ Access Manager
<b>Recommended accessories</b>	-



**Item number** TTTL10000

Description	TECTIQ USB desktop reader
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- Reader for centralised registration, writing and updating of TECTIQ locking media directly on the PC
- Equipment for managing every TECTIQ system, including remote access to the access control panel 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 panel
- Visual and acoustic signalling via coloured LED and confirmation tone to confirm the successful read/write process
- RFID read/write process, contactless and fast

<b>Item abbreviation</b>	TEC-TL
<b>Product range</b>	TECTIQ
<b>Dimensions (W × H × D)</b>	56 x 18 x 88 mm
<b>Area of application</b>	Indoor
<b>Connections</b>	USB interface
<b>Installation type</b>	No assembly required, table stand
<b>Cable length</b>	2 m
<b>Colour</b>	Frame in black, printing in blue
<b>DC voltage supply</b>	Via USB connection, 5 V
<b>IP protection class</b>	30
<b>Signalling</b>	Acoustic and visual
<b>RFID conformity</b>	ETSI EN 300 330
<b>RFID frequency</b>	13.56 MHz
<b>RFID range</b>	≤ 3 cm
<b>RFID technology</b>	MIFARE® DESFire® EV1, EV2, EV3
<b>Security features</b>	Encrypted data transmission to Access Manager (AES-128)
<b>Transponder encryption</b>	AES-128 Bit
<b>Scope of delivery</b>	1 x TECTIQ Desktop Reader USB • 1 x Quick Guide
<b>Required accessories</b>	TTC010000 TECTIQ Access control center • TTAM10000 TECTIQ Access Manager
<b>Recommended accessories</b>	-



**Item number** 505366



**Item number** ACAC00074

Description	International plug-in power supply 12V/1.5A	CR1220 3V backup battery (TECTIQ/WLX Control)
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- Including adapter for EU, UK, AU
- Discreet design
- Power supply unit for WLX AE Control, WLX Repeater, WLX Pro Control Plus and TECTIQ access control center
- Compatible with all wAppLoxx Controls and the TECTIQ access control center
- Buffer battery for maintaining the date and time in the event of an interrupted power supply

<b>Dimensions (W × H × D)</b>	44 x 74 x 35 mm	12.5 x 2 x 12.5 mm
<b>Scope of delivery</b>	1 x Power supply unit, 12 V	1 x Duracell CR1220 3V





**Item number** TTAM10000

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

<b>Item abbreviation</b>	TEC-AM
<b>Product range</b>	TECTIQ
<b>System requirements</b>	Processor: 2.0 GHz or faster, RAM: 2 GB or more, storage space: 2 GB or more
<b>Supported operating systems</b>	Windows 10, Windows 11 (64-bit versions)
<b>Supported languages</b>	German, English, Dutch, Swedish, Danish, Italian, French, Norwegian, Finnish
<b>Update capability</b>	Auto-update in the application or via download from abus.com
<b>Functions</b>	Application and locking system software for the TECTIQ Data-on-Card locking system
<b>Compatible with</b>	TECTIQ access control panel, TECTIQ update terminal, TECTIQ cylinder, TECTIQ narrow-frame fitting, TECTIQ wall reader, TECTIQ Admin app, TECTIQ system transponder, TECTIQ desktop reader USB
<b>Display resolution</b>	Mindestens: 1440 x 1080 px, ideal: 1600 x 900 px
<b>Internet connection</b>	Internet connection required at regular intervals to refresh the online account token and to download firmware and software updates
<b>Initial installation</b>	The application software can be installed on a PC/laptop via a setup file
<b>Registration</b>	Creation of an ABUS online account, e.g. in the TECTIQ Access Manager
<b>GDPR compliance</b>	Yes, processing of data only for the provision of existing functionalities
<b>Number of administrators</b>	Creation of a maximum of 5 equally authorised administrators
<b>Number of offline door components</b>	When using MIFARE® DESFire® EV1 4K locking media: Total of offline door components and door groups = max. 4,008
<b>Number of online update terminals</b>	Max. 100
<b>Number of persons</b>	Max. 2.000
<b>Number of person groups</b>	Max. 200
<b>Number of SW accesses</b>	Simultaneous access to a TECTIQ access control panel, installation of the Access Manager at any number of workstations possible
<b>Number of USB table readers</b>	No limit
<b>Remote access</b>	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
<b>Security features</b>	Login password protection, online verification token, including regular validity checks, password guidelines in accordance with GDPR, end-to-end encryption of the entire system
<b>Availability</b>	Available for download at www.abus.com



**Item number** TTA10000

Description	TECTIQ Admin App
	<ul style="list-style-type: none"> <li>• Admin app (iOS/Android) for time-saving maintenance of TECTIQ door components via Bluetooth Low Energy (BLE)</li> <li>• Maintenance of door components also possible without a permanent internet connection</li> <li>• Fast, wireless firmware updates for TECTIQ door components via BLE</li> <li>• Secure authentication at the door component by presenting a parameter card of the system before starting data exchange</li> <li>• Simple synchronisation of date and time in the app after battery replacement</li> <li>• Secure login in the Admin app via the ABUS Online account</li> <li>• 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</li> <li>• 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</li> </ul>

<b>Item abbreviation</b>	TEC-APP-ADMIN
<b>Product range</b>	TECTIQ
<b>Functional principle</b>	Programming tool for TECTIQ locking systems
<b>Functions</b>	Synchronisation of date/time, FW update of door components
<b>Compatible with</b>	TECTIQ cylinder, TECTIQ fitting, TECTIQ wall reader
<b>Internet connection</b>	Updates can be carried out without an active internet connection
<b>Initial installation</b>	Download the Admin app from the App Store (iOS) or Google Play Store (Android)
<b>Registration</b>	Login via the ABUS Online account in the app
<b>Synchronisation</b>	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
<b>Security features</b>	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
<b>Availability</b>	iOS (App Store) & Android (Google Play Store)
<b>Supported languages</b>	German, English, Dutch, Swedish, Danish, Italian, French, Norwegian, Finnish



**Item number** TTST10000

**Item number** TTST10001

**Item number** TTST10002

Description	TECTIQ Parameter Card	TECTIQ Blacklist Card	TECTIQ Reset Card
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- 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

- System card for transferring the current blacklist from the TECTIQ software to the access components (fitting, cylinder, wall reader)
- For immediately deactivating access to a locking medium (transponder, card) blocked in the software at all relevant 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

- 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

<b>Item abbreviation</b>	TEC-ST-Parameter	TEC-ST-Blacklist	TEC-ST-Reset
<b>Product range</b>	TECTIQ	TECTIQ	TECTIQ
<b>Design</b>	Card	Card	Card
<b>Area of application</b>	for parameterising the TECTIQ door products	for blocking transponders in the TECTIQ door component	to reset the door products in a TECTIQ system
<b>Colour</b>	Green	Black	Yellow
<b>Programming technology</b>	RFID (13,56 MHz)	RFID (13,56 MHz)	RFID (13,56 MHz)
<b>RFID conformity</b>	ISO 14443	ISO 14443	ISO 14443
<b>RFID frequency</b>	13.56 MHz	13.56 MHz	13.56 MHz
<b>RFID technology</b>	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
<b>Security features</b>	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
<b>Transponder conformity</b>	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)
<b>Transponder programming</b>	TECTIQ Access Manager via TECTIQ Card Reader	TECTIQ Access Manager via TECTIQ Card Reader	TECTIQ Access Manager via TECTIQ Card Reader
<b>Transponder encryption</b>	AES 128-Bit	AES 128-Bit	AES 128-Bit
<b>Dimensions</b>	86 x 54 x 1 mm	86 x 54 x 1 mm	86 x 54 x 1 mm
<b>Scope of delivery</b>	1 x TECTIQ Parameter Card	1 x TECTIQ Blacklist Card	1 x TECTIQ Reset Card



**Item number** TTST10003



**Item number** TTST10005

Description	TECTIQ Protocol Card	TECTIQ System card Set
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- 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 back into the system (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

- 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 consecutively numbered

<b>Item abbreviation</b>	TEC-ST-Protocol	TEC-ST-Set
<b>Product range</b>	TECTIQ	TECTIQ
<b>Design</b>	Card	Card
<b>Area of application</b>	to read out the logs in a TECTIQ door component	TECTIQ system media for daily operation
<b>Colour</b>	Blue	-
<b>Programming technology</b>	RFID (13,56 MHz)	RFID (13,56 MHz)
<b>RFID conformity</b>	ISO 14443	ISO 14443
<b>RFID frequency</b>	13.56 MHz	13.56 MHz
<b>RFID technology</b>	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
<b>Security features</b>	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
<b>Transponder conformity</b>	Passive transponder ISO 14443 A (MIFARE® DESFire®)	Passive transponder ISO 14443 A (MIFARE® DESFire®)
<b>Transponder programming</b>	TECTIQ Access Manager via TECTIQ Card Reader	TECTIQ Access Manager via TECTIQ Card Reader
<b>Transponder encryption</b>	AES 128-Bit	AES 128-Bit
<b>Dimensions</b>	86 x 54 x 1 mm	86 x 54 x 4 mm
<b>Scope of delivery</b>	1 x TECTIQ Protocol Card	1 x TECTIQ Parameter Card • 1 x TECTIQ Blacklist Card • 1 x TECTIQ Reset Card • 1 x TECTIQ Protocol Card



# LOCKING MEDIA

## THE CONTACTLESS KEYS

With the battery-free and copy-protected RFID locking media, TECTIQ door components and ABUS security systems can be operated conveniently, reliably and securely. Whether a robust key fob, practical transponder card or integrated on a mechanical combination key: this variety offers the optimum solution for every property. Without compromising on security: with a highly secure encryption process (MIFARE® DESFire®) for maximum protection against copying and tampering.

LOCKING MEDIA



### TECTIQ locking media

With passive RFID transponder chip  
As a personal transponder for all users



### TECTIQ emergency transponder

For emergency opening of all access points  
As a fire brigade key for rescue services

One key for everything: The transponder with the locking permissions of the respective user is the universal key for all doors and access points where the user is authorised to enter.

## TECTIQ LOCKING MEDIA



Item number **TTTP10104G**



Item number **TTTP10104B**



Item number **TTTP10104R**

Description	TECTIQ Transponder Advanced green MIFARE DESFire EV1 4K (Security UID)	TECTIQ Transponder Advanced blue MIFARE DESFire EV1 4K (Security UID)	TECTIQ Transponder Advanced red MIFARE DESFire EV1 4K (Security UID)
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<b>Item abbreviation</b>	T-MIF-DES-ADV-4K-SEC-UID-G	T-MIF-DES-ADV-4K-SEC-UID-B	T-MIF-DES-ADV-4K-SEC-UID-R
<b>Product range</b>	TECTIQ	TECTIQ	TECTIQ
<b>Area of application</b>	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
<b>Programming technology</b>	RFID (13,56 MHz)	RFID (13,56 MHz)	RFID (13,56 MHz)
<b>RFID conformity</b>	ISO 14443	ISO 14443	ISO 14443
<b>RFID frequency</b>	13.56 MHz	13.56 MHz	13.56 MHz
<b>RFID technology</b>	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
<b>Security features</b>	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
<b>Transponder programming</b>	Access control software and card reader	Access control software and card reader	Access control software and card reader
<b>Transponder encryption</b>	AES 128-Bit	AES 128-Bit	AES 128-Bit
<b>Dimensions</b>	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 **TTTP10104S**



Item number **TTTP10104W**



Item number **TTST10004**

Description	TECTIQ Transponder Advanced black MIFARE DESFire EV1 4K (Security UID)	TECTIQ Transponder Advanced white MIFARE DESFire EV1 4K (Security UID)	TECTIQ Emergency Transponder
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<b>Item abbreviation</b>	T-MIF-DES-ADV-4K-SEC-UID-S	T-MIF-DES-ADV-4K-SEC-UID-W	TEC-ST-Emergency
<b>Product range</b>	TECTIQ	TECTIQ	TECTIQ
<b>Area of application</b>	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
<b>Programming technology</b>	RFID (13,56 MHz)	RFID (13,56 MHz)	RFID (13,56 MHz)
<b>RFID conformity</b>	ISO 14443	ISO 14443	ISO 14443
<b>RFID frequency</b>	13.56 MHz	13.56 MHz	13.56 MHz
<b>RFID technology</b>	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
<b>Security features</b>	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
<b>Transponder programming</b>	Access control software and card reader	Access control software and card reader	TECTIQ Access Manager via TECTIQ Card Reader
<b>Transponder encryption</b>	AES 128-Bit	AES 128-Bit	AES 128-Bit
<b>Dimensions</b>	36,5 x 45,3 x 5,5 mm	36,5 x 45,3 x 5,5 mm	36 x 45 x 5 mm



Item number **TTTP11108S**



Item number **TTTK10108**

Description	TECTIQ Transponder Basic black MIFARE DESFire EV3 8K (Security UID)	TECTIQ Transponder card MIFARE DESFire EV3 8K (Security UID)
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<b>Item abbreviation</b>	T-MIF-DES-BAS-8K-SEC-UID-S	K-MIF-DES-8K-SEC-UID
<b>Product range</b>	TECTIQ	TECTIQ
<b>Area of application</b>	Locking media for ABUS TECTIQ access control system with static UID	Locking media for ABUS TECTIQ access control system with static UID
<b>Programming technology</b>	RFID (13,56 MHz)	RFID (13,56 MHz)
<b>RFID conformity</b>	ISO 14443	ISO 14443
<b>RFID frequency</b>	13.56 MHz	13.56 MHz
<b>RFID technology</b>	MIFARE® DESFire® EV3	MIFARE® DESFire® EV3
<b>Security features</b>	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
<b>Transponder programming</b>	Access control software and card reader	Access control software and card reader
<b>Transponder encryption</b>	AES 128-Bit	AES 128-Bit
<b>Dimensions</b>	34,5 x 43,5 x 5 mm	86 x 54 x 1 mm



Item number **ACAC00076**



Item number **ACAC00077**



Item number **ACAC00078**

Description	Transponder card case	Drawstring for card case	Keychain (Set of 10) blue
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- Accessories for the transponder cards of ABUS access control systems
- Card sleeve for secure storage
- Perfect in combination with the yoyo drawstring

- Accessories for the transponder cards of ABUS access control systems
- Perfect in combination with the transponder card cover

- 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

## ABUS LOCKING MEDIA



Item number **ACTP00004G**



Item number **ACTP00004B**



Item number **ACTP00004R**

Description	ABUS Transponder green MIFARE DESFire EV1 4K (Security)	ABUS Transponder blue MIFARE DESFire EV1 4K (Security)	ABUS Transponder red MIFARE DESFire EV1 4K (Security)
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<b>Item abbreviation</b>	T-MIF-DES-4K Security-G	T-MIF-DES-4K Security-B	T-MIF-DES-4K Security-R
<b>Product range</b>	ZUBEHÖR_AC	ZUBEHÖR_AC	ZUBEHÖR_AC
<b>Area of application</b>	Locking medium for ABUS access control systems (wAppLoxx & TECTIQ)	Locking medium for ABUS access control systems (wAppLoxx & TECTIQ)	Locking medium for ABUS access control systems (wAppLoxx & TECTIQ)
<b>Programming technology</b>	RFID (13,56 MHz)	RFID (13,56 MHz)	RFID (13,56 MHz)
<b>RFID conformity</b>	ISO 14443	ISO 14443	ISO 14443
<b>RFID frequency</b>	13.56 MHz	13.56 MHz	13.56 MHz
<b>RFID technology</b>	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
<b>Security features</b>	Copy and read protection through MIFARE® DESFire® + ABUS security application	Copy and read protection through MIFARE® DESFire® + ABUS security application	Copy and read protection through MIFARE® DESFire® + ABUS security application
<b>Transponder programming</b>	Access control software and card reader	Access control software and card reader	Access control software and card reader
<b>Transponder encryption</b>	AES 128-Bit	AES 128-Bit	AES 128-Bit
<b>Dimensions</b>	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 **ACTP00004S**



Item number **ACTP00004W**



Item number **ACTP00001**

Description	ABUS Transponder black MIFARE DESFire EV1 4K (Security)	ABUS Transponder white MIFARE DESFire EV1 4K (Security)	ABUS coloured locking media (5-pc set) MIFARE DESFire EV1 4K (Security)
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<b>Item abbreviation</b>	T-MIF-DES-4K Security-S	T-MIF-DES-4K Security-W	T-MIF-DES-4K-SEC-F
<b>Product range</b>	ZUBEHÖR_AC	ZUBEHÖR_AC	ZUBEHÖR_AC
<b>Area of application</b>	Locking medium for ABUS access control systems (wAppLoxx & TECTIQ)	Locking medium for ABUS access control systems (wAppLoxx & TECTIQ)	Locking medium for ABUS access control systems (wAppLoxx & TECTIQ)
<b>Programming technology</b>	RFID (13,56 MHz)	RFID (13,56 MHz)	RFID (13,56 MHz)
<b>RFID conformity</b>	ISO 14443	ISO 14443	ISO 14443
<b>RFID frequency</b>	13.56 MHz	13.56 MHz	13.56 MHz
<b>RFID technology</b>	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3
<b>Security features</b>	Copy and read protection through MIFARE® DESFire® + ABUS security application	Copy and read protection through MIFARE® DESFire® + ABUS security application	Copy and read protection through MIFARE® DESFire® + ABUS security application
<b>Transponder programming</b>	Access control software and card reader	Access control software and card reader	Access control software and card reader
<b>Transponder encryption</b>	AES 128-Bit	AES 128-Bit	AES 128-Bit
<b>Dimensions</b>	36,5 x 45,3 x 5,5 mm	36,5 x 45,3 x 5,5 mm	36,5 x 45,3 x 5,6 mm



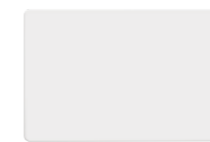
Item number **506613**



Item number **ACTP20004S**

Description	ABUS Transponder Diskus MIFARE DESFire EV1 4K (Security)	ABUS Dual Transponder black MIFARE DESFire EV1 4K (Security)/EM4102
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<b>Item abbreviation</b>	T-Mif-Des-4K-Security	T-MIF-DES-4K-SEC-DUAL-S
<b>Product range</b>	ZUBEHÖR_AC	ZUBEHÖR_AC
<b>Area of application</b>	Locking medium for ABUS access control systems (wAppLoxx & TECTIQ)	Locking medium for ABUS access control systems (wAppLoxx & TECTIQ)
<b>Programming technology</b>	RFID (13,56 MHz)	RFID (13,56 MHz / 125 KHz)
<b>RFID conformity</b>	ISO 14443	ISO 14443
<b>RFID frequency</b>	13.56 MHz	13.56 MHz
<b>RFID technology</b>	MIFARE® DESFire® EV1, EV2, EV3	MIFARE® DESFire® EV1, EV2, EV3 & EM4102
<b>Security features</b>	Copy and read protection through MIFARE® DESFire® + ABUS security application	Copy and read protection through MIFARE® DESFire® + ABUS security application
<b>Transponder programming</b>	Access control software and card reader	Access control software and card reader
<b>Transponder encryption</b>	AES 128-Bit	AES 128-Bit
<b>Dimensions</b>	34 x 33 x 5,5 mm	36,5 x 45,3 x 5,5 mm



Item number **ACTK00001**

Description	ABUS Transponder card MIFARE DESFire EV3 8K (Security)
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<b>Item abbreviation</b>	K-MIF-DES-8K-SEC
<b>Product range</b>	ZUBEHÖR_AC
<b>Area of application</b>	Locking medium for ABUS access control systems (wAppLoxx & TECTIQ)
<b>Programming technology</b>	RFID (13,56 MHz)
<b>RFID conformity</b>	ISO 14443
<b>RFID frequency</b>	13.56 MHz
<b>RFID technology</b>	MIFARE® DESFire® EV3
<b>Security features</b>	Copy and read protection through MIFARE® DESFire® + ABUS security application
<b>Transponder programming</b>	Access control software and card reader
<b>Transponder encryption</b>	AES 128-Bit
<b>Dimensions</b>	86 x 54 x 1 mm

# SERVICE, SUPPORT & ADVICE

## MORE THAN JUST A PRODUCT: OUR TEAM AT WORK FOR TECTIQ PARTNERS

Successful right from the start: When installing a sophisticated locking system, it is your expertise as a specialist partner that counts! You are not alone in this: You can count on our manufacturing expertise, especially for initial projects or extensive project planning. Whether you need presales advice, planning support, on-site technical support or user training – our TECTIQ team is there for you. With a wide range of services, consisting of free basic support and extra services that can be booked at any time to save you a lot of time, money and stress in your project business.

Whether project planning, commissioning or user training:  
The ABUS specialists are ready to assist with help and advice.

# SERVICE AND SUPPORT OFFER

## SERVICES WITH STAFF ON SITE:



Service	Description	Additional note
<b>Project planning (on site)</b>	<p>Project planning services:</p> <ul style="list-style-type: none"> <li>• Creating the door list</li> <li>• Taking door measurements</li> <li>• Selecting the right door components according to customer requirements</li> <li>• Discussing the configuration features (drilling protection, design, etc.)</li> <li>• Planning the update terminals</li> <li>• Discussing and coordinating with site management, IT and tradesmen (electricians, fitters, planning officers)</li> <li>• Final documentation in digital form</li> </ul>	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
<b>Software training Administrator (on site)</b>	<p>Administrator software training services (on site):</p> <p>Training for administrators in the TECTIQ software, including</p> <ul style="list-style-type: none"> <li>• Login</li> <li>• Dashboard</li> <li>• System settings</li> <li>• Permissions management</li> <li>• Execution of jobs</li> <li>• Lock plan matrix</li> </ul>	max. 1 day no commissioning Training on and presentation of the software processes



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

## REMOTE SERVICES ONLINE OR OVER THE PHONE:



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



Service	Description	Additional note
<b>Administrator software training (remote)</b>	<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"> <li>• Login</li> <li>• Dashboard</li> <li>• System settings</li> <li>• Permissions management</li> <li>• Execution of jobs</li> <li>• Locking plan matrix</li> </ul>	max. 3 hours no commissioning Training on and presentation of the software processes

## OTHER SERVICES



Service	Description	Additional note
<b>other service &amp; support services (on-site/remote)</b>	<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

# EXPERTISE IN ELECTRONICS & MECHANICS

## HYBRID LOCKING SYSTEM: THE BEST OF TWO WORLDS

Building owners are often faced with the question of when the time is right to switch from a mechanical to an electronic locking system. That is why you should With ABUS, you can count on a manufacturer that is at home in both worlds – and with TECTIQ you have the choice.

Easy changeover: mixed operation of mechanical and electronic systems in one building. With a combination key for all doors, you can lock your mechanical cylinders as usual and open all electronic components using the transponder integrated in the key head. An intelligent and economically attractive combination of both worlds.

Simple installation: The mechanical cylinder is replaced by the electronic cylinder – without removing the existing fitting set.



Digital and future-proof: the fully electronic locking system. This means that you immediately benefit from the advantages of an electronic locking system on all doors.

However, you are also well equipped for the future, as an electronic locking system offers you maximum flexibility. Changes to your organisational structure can be transferred directly to the authorisation structure, lost keys are a thing of the past and you have control over everything at all times. Benefit automatically from future system developments – we always keep your system up to date and expand the range of functions.



# YOUR PROJECT – OUR SERVICE

## ABUS SALES & SERVICE TEAM: STRONG TOGETHER

When planning an electronic locking system, it must be ensured that your individual wishes, the specific requirements of your building and all standards and building regulations are completely fulfilled. We ensure this hand in hand with our qualified ABUS specialist partners and the manufacturer consulting provided by our team of property consultants, sales and service specialists. Regionally available throughout Germany and therefore very close to you.

### EVERY STEP TOGETHER:



#### On-site advice

**Step 1:** We establish your wishes, requirements and security goals.

**Step 2:** We inspect your property together and record all relevant points, e.g. to assess the escape and rescue routes.



#### Planning & project planning

We develop a customised TECTIQ solution for you with a detailed offer and project schedule. On the basis of a security concept including risk assessment and compliance with the relevant legal regulations and company agreements.



#### Installation & commissioning

Experts install the door and system components including software, make all settings and start the system. After thorough instruction and user training for administrators and other contacts, your TECTIQ locking system is ready to use.



#### Operation & maintenance

An ABUS specialist partner is also available to you during operation. Simple maintenance work (e.g. battery replacement) can be carried out independently or by the specialist partner, e.g. as part of a maintenance contract.



# TRAINING ACADEMY

## BY PROFESSIONALS FOR PROFESSIONALS

Get to know the TECTIQ system right from the start. Know and be able to use the technology, scope of services, project planning, software and programming. This means you are equipped for your projects and can offer your customers the best advice, professional installation and service.

### TRAINING OFFER FOR TECTIQ PARTNERS:

#### In-person training: Your tools



Understand the system inside and out. Touch the components, operate the software live. Direct queries to our TECTIQ trainers. You will quickly become a professional TECTIQ specialist partner, master the system from A to Z and be able to provide competent service to the customer.

#### Free webinar: the first impression



Want to try it out first? Get to know the system or a central component in a nutshell. Form an opinion on the potential of TECTIQ. The best way to do this is in a webinar, in just one hour, easily and conveniently from your PC. No travel, no costs.

#### Online courses: repeat & immerse



Work through lessons on your own. Want to pause at any time and resume the saved lesson at a later time? Simply book the relevant online course. Ideal for immersion and repetition if you have already completed a classroom training course.


#### By appointment: In-house training courses




Do you want to train several employees at your location? Ask your sales contact for an in-house training course. After clarifying your specific requirements, they will forward the enquiry to our Academy team with the aim of offering you the desired training format.

Please also note the possibility of on-site employee briefings or software training for users (administrators). For details, see the service and support offer.

### ACADEMY CONTACT DETAILS:

 [academy.abus@abus-sc.com](mailto:academy.abus@abus-sc.com)

 <https://academy.abus-sc.com>






# TECHNICAL SUPPORT & FIELD SERVICE

## OUR TECHNICAL SPECIALISTS ON THE PHONE & ON SITE

Do you have any questions or a technical fault? A locking system requires a quick solution so that access remains open for authorised users and security against unauthorised access is maintained.

### QUICK HELP OVER THE PHONE: TECHNICAL SUPPORT (TS)

As an ABUS partner, our Technical Support (TS) is available by telephone for technical questions, component malfunctions, etc. They will work with you to determine the source of the fault and rectify the problem.




 [support@abus-sc.com](mailto:support@abus-sc.com)  
 +49 8207 / 959 90 - 802  
 Mon-Thu: 08:00 - 17:00  
Fri: 08:00 - 15:00



SERVICE, SUPPORT  
& ADVICE

### SUPPORT ON SITE: TECHNICAL FIELD SUPPORT (TFS)

If assistance is required on site at the property, our Technical Field Support (TFS) can be requested. They will assist you with project planning, commissioning or other technical challenges. Request the TFS via your personal customer advisor team. Our service technicians take on a wide range of tasks, including support with TECTIQ commissioning. For details, see the service and support offer here in the catalogue.

 [sales@abus-sc.com](mailto:sales@abus-sc.com)  
 +49 8207 / 959 90 - 333  
 Mon-Thu: 08:00 - 17:00  
Fri: 08:00 - 15:00



# RETURNS MANAGEMENT (RMA)

## RETURNS MANAGEMENT/RMA PROCESSING

We handle repairs, exchanges or returns of components quickly and without red tape.

### HERE'S HOW YOU CAN HELP US IN THE PROCESS:

1



#### Registration

Please contact our Technical Support before returning a defective device for repair or warranty. Please have the serial number of the component to hand (can be found on a sticker on the component, e.g. under the knob cap in the case of cylinders).

2



#### RMA processing number

You will receive a processing number (RMA) from our Technical Support. This allows us to track the service case and you can view the current status in the Partner Portal.

3



#### Returns

Please enclose the RMA voucher sent to you with every return and every product.

#### Important notes:

- In urgent cases, we offer advance replacement with priority delivery. However, if no error can be traced at the factory, the new product sent in advance will be charged retroactively.
- You will receive a cost estimate for components outside the warranty period. Flat rates apply (to be offset against repair costs).
- Exchange and return of functional products: only possible in exceptional cases. Only goods in their original packaging without signs of use. Processing fees apply.

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# SERVICE & CONTACT

### INTERNAL AND FIELD SERVICE

As a specialist dealer partner, you can benefit from your own, dedicated team of representatives for your region. Our team will be available to support you with comprehensive, specialist expertise no matter what you need. This of course also covers any questions relating to your project, so you can count on both our internal support office and our on-site field service.

### THE ONLINE STORE

Take advantage of the quick and easy ordering process at [www.abus.com](http://www.abus.com)

Your user account is where you can conveniently carry out all of your orders and track your order status in real time. This is also where we provide comprehensive information and sales support documents for your convenience.

	<b>DE</b> 	<b>UK</b> 	<b>FR</b> 
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<b>TECHNICAL SUPPORT</b>	+49 82 07 959 90- 0	+44 (0)117 204 7000	+33 149 61 67 67
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	<a href="mailto:support@abus-sc.com">support@abus-sc.com</a>	<a href="mailto:support@abus-uk.com">support@abus-uk.com</a>	<a href="mailto:videoalarme@abus.fr">videoalarme@abus.fr</a>
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### TECHNICAL SUPPORT (TS)

If problems occur with our products, our technical support team is ready to take your call to find the source of the issue and work with you to find a solution. And when on-site assistance is required, our technical field service representatives are always on hand.

### QUALITY ASSURANCE – SERVICE – PRODUCTION (QSP)

In the event of a technical defect, our QSP department will perform a thorough check of your device and repair or replace it immediately if possible.

### PLANNING SUPPORT

Are you planning a new building or a larger property? We offer you knowledgeable planning support incl. tender data, calculation tools, etc.

	<b>DE</b> 
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	<a href="mailto:planung@abus-sc.com">planung@abus-sc.com</a>

We are always there for you: when ordering, for advice, for technical questions or for your complex electrical planning.

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