

Make the door a smart experience.

ekey dLine fingerprint scanner
for door leaf and door handle



ekey dLine fingerprint scanner

Enter a new age!

ekey presents a fingerprint scanner system that makes doors smart: the ekey dLine. Your door gets new functions. And you link building access with the smart home world.

With the ekey dLine you offer your customers a new sense of home! The comfort and security of a fingerprint scanner system combined with smart experiences.

And you are prepared for future customer requirements. The ekey dLine can be expanded to include devices, users and functions – whenever the customer wants.

Let's enter a new age together!

The world of Alexa and others is waiting to be conquered.



Key dLine – remote opening

“I wish I could let the handyman in while I’m at work.”

Never wait at home again just to let someone in. You can let someone in at any time in an emergency. Your customer can conveniently unlock the door with their smartphone – wherever they are.



ekey dLine – push notification

“I wish I could have peace of mind that my child got home safely after school.”

No more uncertainty! Your customer will automatically receive a message as soon as the door has been unlocked with the fingerprint scanner.



Key dLine – smart home

“I dream of a house that greets me, turns on the lights and raises the blinds when I walk in the door.”

Open up a world of possibilities for your customers! The door becomes smart and is thus prepared to be connected to smart home services.



Key dLine – access without tools

“I don't want to have to take anything with me when I go jogging.”

Open the door conveniently with your finger – without a key, smartphone or other aids. Be it for running, cycling, inline skating or when the dog wants out: your customer has the freedom to head on out.



ekey dLine – your advantages

- **The door becomes smart**
Additional functions and access to the smart home world
- **Future-proof system**
Expandable at any time with new features and devices
- **The door design is in the foreground**
The fingerprint scanner has the smallest possible construction, and design elements can be adapted to the door design
- **Uniform operating concept**
All new ekey products are managed via an app
- **One fingerprint scanner and one control unit for all applications**
One model for door leaf and door handle
- **New sensor technology**
Touch operation in ekey quality
- **Remote diagnosis**
Predictive maintenance by logging into the customer's system
- **Plug & play system**
The ekey dLine is ready to plug in



ekey dLine – the app



The ekey dLine fingerprint scanner system is managed with a smartphone or tablet. The newly developed ekey bionyx app can be operated in comfort mode via the internet or in local mode on site via wireless.

Comfort mode offers numerous advantages: remote opening, push notifications, silent alarm – but also remote support. The door becomes smart and is prepared for connection to smart home services. The world of Alexa and others opens up, and there are hardly any limits to your imagination.

But ekey offers much more: the new ekey dLine can be flexibly expanded at any time – with devices, users and functions. Everything is managed centrally with the ekey bionyx app. This means: an overview of all connected devices, access points and users, access log, data backup of the configuration and much more.

The ekey dLine is more than a fingerprint scanner! It is an easily expandable system with the highest security standard.

The future is smart: equip the door for a new age!

Features

- Intuitive administration with smartphone
- Open with fingerprint scanner
- Open with smartphone near the door⁴
- Different switching functions with different fingers³
- Firmware updates
- Remote administration of authorizations
- Data backup of the device configuration
- Access log
- Remote support
- Number of users
- Additional users available with extension²
- Number of relays in the door
- Number of external relays available with extension³
- Max. number of fingerprint scanners
- Time slots
(e.g. person X: access on Wednesday from 9:00 a.m. to 1:00 p.m.)²
- Time-controlled operation
(day/nighttime switching operation, e.g. door is open from 9:00 a.m. to 5:00 p.m.)²
- Smart home connectivity⁴
- Amazon Alexa voice assistant
- Remote opening/access*
- Push notifications when the door is opened*

Local mode¹

Comfort mode

- | | |
|----|----|
| ✓ | ✓ |
| ✓ | ✓ |
| ✓ | ✓ |
| ✓ | ✓ |
| ✓ | ✓ |
| — | ✓ |
| — | ✓ |
| — | ✓ |
| — | ✓ |
| 20 | 20 |
| — | ✓ |
| 1 | 1 |
| — | 18 |
| 1 | 5 |
| — | ✓ |
| — | ✓ |
| — | ✓ |
| — | ✓ |
| — | ✓ |

¹starting Q4/2021 | ²starting Q1/2022 | ³starting Q2/2022 | ⁴starting Q3/2022 | *2021 free

ekey dLine – advantages for end customers

More than one million satisfied customers in over 70 countries around the world prove that ekey products are quickly becoming widespread among end users and companies.

Unrivalled convenience

Impossible to lock yourself out, as your finger is always on hand!

Maximum security

- No lost or stolen keys!
- Maximum protection against fraud thanks to live finger detection with RF sensor technology!
- Not possible for access right to be passed on (using a card or key, for example)!
- 1,000 times more secure than a 4-digit code

User-friendly

Easy installation and administration!

Intelligent software

The ekey software is learning all the time – it can detect the growth of children's fingers as well as minor injuries and changes to users' habits.

New: smart home connectivity

Many customers want systems and devices to be connected in order to design the smart home according to their needs.

New: smart functions

Features that make everyday life easier for customers and offer additional value for the door.

New: flexibly expandable system

The ekey dLine can be expanded to include devices, users and functions at any time. The customer no longer has to determine the scope of their access control system in advance.



About ekey

ekey was founded in 2002 and is now Europe's no. 1 for fingerprint scanner access solutions.

ekey puts authorization into the customer's hands! Keys, cards, codes, etc., can be lost, forgotten, or stolen. "Your finger is always on hand!" The company offers a wide range of access solutions for doors, gates, alarm systems and time recording.

With the new fingerprint scanner generation ekey dLine, the company has entered the next age. The door becomes smart. Building access is being expanded to include additional functions and is conquering the smart home. The world of Alexa and others is knocking at your door.

ekey currently has over 100 employees at its 5 locations in Austria, Germany, Liechtenstein/Switzerland, Italy, and Slovenia, and exports its products to over 70 countries.

Exports are approximately 80% of its business. Other important sales markets are France, Poland, the USA, Russia and China.

More than one million satisfied users are the best possible recommendation for our products!

Both private households as well as leading companies, along with organizations such as fire and rescue services, have been putting their trust in the ekey fingerprint scanner for many years. Our formula for quality consists of the highest standards of functionality, reliability, and security, which are refined through extensive testing.

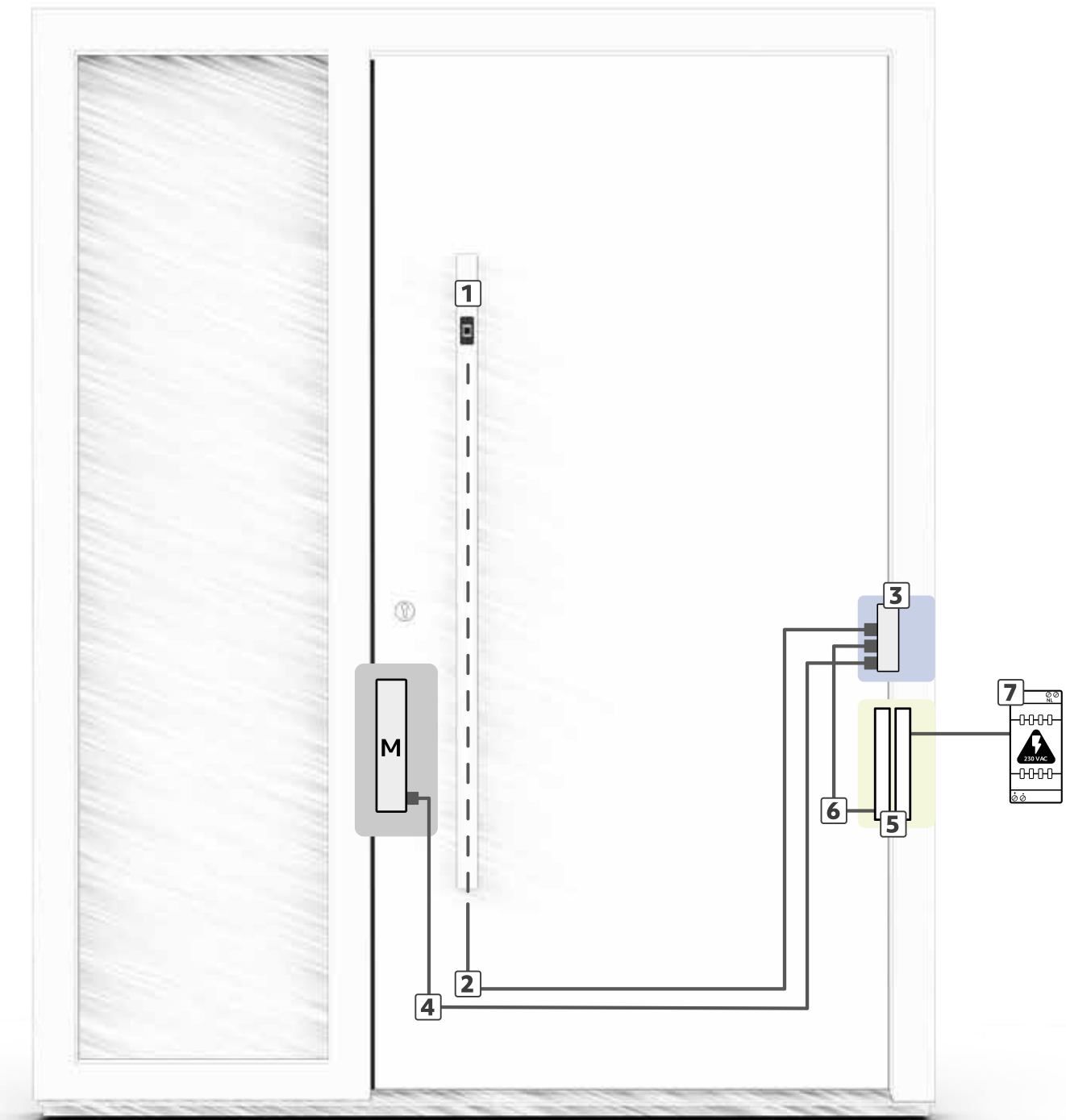


ekey dLine – the system

- 1 ekey dLine fingerprint scanner + design element**
- 2 ekey dLine fingerprint scanner control unit cable**
- 3 ekey dLine control unit + mounting plate**
- 4 ekey dLine control unit motorized lock cable**
Optional component:
only required if there is no cable supplied with the motorized lock.
- 5 ekey dLine cable transfer**

Optional accessories:

- 6 ekey dLine control unit cable transfer cable**
Optional component:
only required if no ekey dLine cable transfer is used.
- 7 ekey power supply**



ekey dLine – the products



1 ekey dLine fingerprint scanner

Part no. 201001

Description:

- 4-segment light ring for optical signaling
 - Brightness can be continuously adjusted or switched off
- Buzzer for acoustic signaling (coming soon)
 - Volume can be continuously adjusted or switched off
- One model for door handle and door leaf

Technical specifications:

Supply voltage: 12–24 VDC
 Dimensions W x H x D: 22.5 x 47 x 16 mm
 Power consumption: approx. < 0.5 W
 Temperature range: -25 to +70 °C
 IP code: IP54
 Recommended mounting height: 155 cm



3 ekey dLine control unit

Part no. 201201

Description:

- Dual LED for optical signaling
- WLAN/BLE wireless connection module
- Two RS-485 interfaces
 - Connection to the fingerprint scanner
 - Connection for external components (extensions)
- Reset button (for resetting to default settings)
- Prepared for faceplate mounting

Technical specifications:

Supply voltage: 12–24 VDC
 Dimensions W x H x D: 16 x 117 x 33 mm
 Power consumption: approx. < 0.5 W
 Temperature range: -25 to +70 °C
 IP code: IP30
 Number of relays: 1 (dry contact/wet contact)
 Digital input: 1 (dry contact)

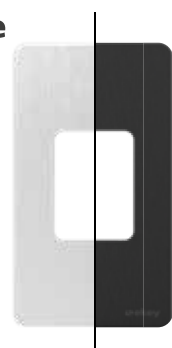


1 ekey dLine design element door handle

Part no. 201101 stainless steel gray
 Part no. 201102 black (RAL 9005)

Technical specifications:

Dimensions W x H x D: 25 x 52 x 0.5 mm
 Material: stainless steel V4A
 The design element is glued on.



1 ekey dLine design element door leaf

Part no. 201111 stainless steel gray
 Part no. 201112 black (RAL 9005)

Technical specifications:

Dimensions W x H x D: 34.5 x 61.5 x 3 mm
 Material: stainless steel V4A
 The design element is glued on.
 Customizable design elements (colors/logos).



3 ekey dLine control unit mounting plate

Part no. 201211 round-cut 20 mm Part no. 201213 square-cut 20 mm
 Part no. 201212 round-cut 24 mm Part no. 201214 square-cut 24 mm

Technical specifications:

Length: 160 mm
 Depth: 2.7 mm
 Color: black
 Material: ABS plastic

2 ekey dLine fingerprint scanner control unit cable

This cable connects the ekey dLine fingerprint scanner with the ekey dLine control unit.



Continuous cable

Part no. 201301 0.6 m
 Part no. 201302 1.2 m
 Part no. 201303 2.0 m
 Part no. 201304 2.5 m
 Part no. 201305 3.0 m
 Part no. 201306 3.5 m
 Part no. 201307 4.0 m



Separable cables (round plug d = 6.5 mm)

Part no. 201321 0.6 m	for fingerprint scanner
Part no. 201322 1.2 m	
Part no. 201323 2.0 m	
Part no. 201324 2.5 m	for control unit
Part no. 201325 3.0 m	
Part no. 201326 3.5 m	



4 ekey dLine control unit motorized lock cable

Part no. 201341 0.3 m Part no. 201342 3.5 m

Description:

This cable connects the ekey dLine control unit to the motorized lock.
 Optional component:
 only required if there is no cable supplied with the motorized lock.

Technical specifications:

Type of cable: LiYY, 0.34 mm²
 Number of cores: 3

ekey dLine – the products



5 ekey dLine cable transfer

Part no. 201401 48 cm/2.5 m (open end)

Technical specifications:

Dimensions W x H x D: 24 x 511 x 17.5 mm

Material/surface: steel/chrome

Housing: on the door leaf side – max. opening angle: 180°

Type of cable: LiYY, 0.34 mm² – number of cores: 8

Cable length:

- 2.5 m on the frame side with an open end
- 0.6 m on the door leaf side with a plug for connection to the control unit

Accessories:



ekey dLine cable transfer built-in fitting set, timber

Part no. 201411

Accessories for built-in fitting in timber doors



ekey dLine cable transfer replacement cable

Part no. 201412

Replacement cable for frame side, 10 m



6 ekey dLine control unit cable transfer cable

Part no. 201331 0.5 m

Part no. 201332 3.0 m

Part no. 201333 8.0 m

Description:

This cable connects the ekey dLine control unit with the cable transfer from various manufacturers.

Optional component:

only required if no ekey dLine cable transfer is used.

Technical specifications:

Type of cable: LiYY, 0.34 mm²

Number of cores: 8



BLE transponder (coming soon)

Alternative to unlocking with fingerprint scanner or smartphone

Ideal for temporary access

Small “remote control” for opening the door from a short distance using an encrypted wireless signal (BLE)

The BLE transponder can be stored at any time, even afterwards.

Access via transponder can also be viewed in the log.



Power supply

Part no. 100205 ekey PS DRM 230 VAC/12 VDC/2 A, DIN-rail mounted

Part no. 100891 ekey PS DRM 230 VAC/24 VDC/2 A, DIN-rail mounted

Part no. 100204 ekey PS OM 230 VAC/12 VDC/2 A, outlet-mounted

Part no. 101742 ekey PS OM 230 VAC/24 VDC/1.1 A, outlet-mounted

! Important: select the power supply based on the properties of the motorized lock.

Uninterruptible power supply

Part no. 101559 ekey UPS DRM 230 VAC/12 VDC/5 A + REBAT 4 Ah, DIN-rail mounted

Description:

Dimensions: W x H x D:

UPS: 108 x 94 x 95 mm (6HP)

Rechargeable battery: 157 x 93 x 66.5 mm (9HP)

Supply voltage: 100–240 VAC

2 parts: UPS (switched-mode power supply) and rechargeable battery

Outlet voltage/current: 12 VDC/5 A

Technical specifications:

Temperature range: -10 to 40 °C

Function display: LED

Advantage: replaces power supply; ensures a reliable power supply to the system for several hours.

Suitable for use in conjunction with a motorized lock!



Part no. 101593 ekey UPS DRM 230 VAC/24 VDC/3 A + REBAT 4 Ah, DIN-rail mounted

Description:

Dimensions: W x H x D:

UPS: 108 x 94 x 95 mm (6HP)

Rechargeable battery: 157 x 93 x 66.5 mm (9HP)

Supply voltage: 100–240 VAC

3 parts: UPS (switched-mode power supply) and 2x rechargeable battery

Outlet voltage/current: 24 VDC/3 A

Technical specifications:

Temperature range: -10 to 40 °C

Function display: LED

Advantage: replaces power supply; ensures a reliable power supply to the system for several hours.

Suitable for use in conjunction with a motorized lock!



! Important: select the UPS based on the properties of the motorized lock.

ekey dLine – technical documents

You can download all technical documents for the built-in fitting of the ekey dLine in the door leaf or in the door handle by scanning the QR codes or by clicking the links.

Wiring diagrams

<http://info.ekey.net/download>



Mounting instructions

<http://info.ekey.net/download>





<https://www.ekey.net/en/dline>



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