

The ekey dLine

Fingerprint scanner for door leaf and door handle

The ekey dLine consists of the following components:

- 1** ekey dLine fingerprint scanner + design element
Please note the mounting height of 155 cm. It ensures that the finger is placed correctly and recognized optimally.
- 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 no cable is supplied with the motorized lock.
- 5** ekey dLine cable transfer
Optional component: perfectly matched to the system; only required if no other cable transfer is used.
- 6** ekey dLine control unit cable transfer cable
Optional component: Only required if no ekey dLine cable transfer is used.
- 7** ekey power supply
Optional component: Only required if no other power supply is used.

On the following pages, you will find all components in the order overview.

Order overview

Fingerprint scanner for door leaf and door handle



1 ekey dLine fingerprint scanner

Part. no.	Description
201001	ekey dLine fingerprint scanner
	The ekey dLine fingerprint scanner is a biometric access solution that grants keyless access to buildings using intuitive touch operation. The door also has smart functions, so that the intelligent use of a building begins at the front door. The system is administered using the free ekey bionyx app.
	Technical data: Dimensions H x W x D: 47 x 22.5 x 17 mm Supply voltage: 12-24 VDC Power consumption: approx. 0.6 W Temperature resistance from -25°C to +70°C IP code: IP56 (with design element) Recommended mounting height: 155 cm

Accessories



Part. no.	Description
201101	ekey dLine design element door handle stainless-steel gray
201102	ekey dLine design element door handle black
	Technical data: Dimensions H x W x D: 52.1 x 25 x 0.5 mm Material: stainless steel V4A/aluminum anodized The design element is glued on.
201111	ekey dLine design element door leaf stainless-steel gray
201112	ekey dLine design element door leaf black
	Technical data: Dimensions H x W x D: 61.5 x 34.5 x 3 mm Material: stainless steel V4A/aluminum, anodized incl. ekey dLine fingerprint scanner adapter for door leaf The design element is glued on.

Notice

For purchase quantities of 100 units or more, there is the possibility of individual branding.

2 ekey dLine fingerprint scanner control unit cables

Part. no.	Description
201301	ekey dLine fingerprint scanner control unit cable 0.6 m
201302	ekey dLine fingerprint scanner control unit cable 1.2 m
201303	ekey dLine fingerprint scanner control unit cable 2.0 m
201304	ekey dLine fingerprint scanner control unit cable 2.5 m
201305	ekey dLine fingerprint scanner control unit cable 3.0 m
201306	ekey dLine fingerprint scanner control unit cable 3.5 m
201307	ekey dLine fingerprint scanner control unit cable 4.0 m
201308	ekey dLine fingerprint scanner control unit cable 10.0 m
	The plug-in data and power supply cable connects the ekey dLine fingerprint scanner with the ekey dLine control unit.



To make it easier to mount the door handle, there is a separable variant of the ekey dLine fingerprint scanner control unit cable, consisting of the **components 2a and 2b**. The cable connects the ekey dLine fingerprint scanner with the control unit and can be separated via the M5 plug.

2a Separable cables for fingerprint scanner

Part. no.	Description
201320	ekey dLine fingerprint scanner control unit cable, FS-side 2.0 m
201321	ekey dLine fingerprint scanner control unit cable, FS-side 0.6 m
201322	ekey dLine fingerprint scanner control unit cable, FS-side 1.2 m

2b Separable cables for control unit

Part. no.	Description
201323	ekey dLine fingerprint scanner control unit cable, CU-side 2.0 m
201324	ekey dLine fingerprint scanner control unit cable, CU-side 2.5 m
201325	ekey dLine fingerprint scanner control unit cable, CU-side 3.0 m
201326	ekey dLine fingerprint scanner control unit cable, CU-side 3.5 m

3 ekey dLine control unit

Part. no.	Description
201201	ekey dLine control unit
	With its relay, the ekey dLine control unit controls a motorized lock to open front, basement, or side entrance doors. In addition, it has an input for external opening, e.g. via door stations.
	Technical data: Dimensions H x W x D: 117 x 16 x 33 mm Supply voltage: 12-24 VDC Power consumption: approx. 0.6 W Temperature resistance from -25°C to +70°C IP code: IP30 Number of relays: 1 (dry contact/wet contact) Digital input: 1 (dry contact)





Accessories

Part. no.	Description
201211	ekey dLine control unit mounting plate round-cut 20 mm
201212	ekey dLine control unit mounting plate round-cut 24 mm
201213	ekey dLine control unit mounting plate square-cut 20 mm
201214	ekey dLine control unit mounting plate square-cut 24 mm
201215	ekey dLine control unit mounting plate round-cut 16 mm
201216	ekey dLine control unit mounting plate square-cut 16 mm

The mounting plate is used to fasten the control unit in the door leaf.

Technical data:
 Length: 180 mm
 Depth: 2.7 mm
 Color: black
 Material: ABS plastic

Optional components



Notice

The cables 201341 and 201342 can be used for the motorized locks from KfV (Genius A and Genius B), Roto Eneo, as well as for FUHR (multitronic and autotronic).

Notice

The ekey dLine cable transfer is ready to plug in and impresses therefore when it comes to built-in fitting.



4 ekey dLine control unit motorized lock cables

Part. no.	Description
201341	ekey dLine control unit motorized lock cable 0.3 m
201342	ekey dLine control unit motorized lock cable 3.5 m

This cable connects the ekey dLine control unit with the motorized lock.

Lock-specific cables

Part. no.	Description
201352	ekey dLine control unit motorized lock cable MACO
201354	ekey dLine control unit motorized lock cable Glutz
201356	ekey dLine control unit motorized lock cable MSL
201358	ekey dLine control unit motorized lock cable ISEO x1R Smart
201359	ekey dLine control unit motorized lock cable Winkhaus blueMotion
201360	ekey dLine control unit motorized lock cable Winkhaus blueMatic EAV
201362	ekey dLine control unit motorized lock cable GU-SECURY Automatic

5 ekey dLine cable transfer

Part. no.	Description
201401	ekey dLine cable transfer

The control unit is supplied with power and data via the cable transfer.

Technical data:
 Dimensions H x W x D: 511 x 24 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 connecting to the control unit

Accessories

Part. no.	Description
201411	ekey dLine cable transfer built-in fitting set, timber
201412	ekey dLine cable transfer replacement cable 10 m

The standard ekey dLine cable transfer has a 2.5 m long data and power connection cable on the frame side. If this is too short, it can be exchanged for the 10-meter replacement cable.

Part. no.	Description
201413	ekey dLine control unit cable transfer cable extension 1.0 m

Extension cable from the ekey dLine cable transfer to the ekey dLine control unit.



6 ekey dLine control unit cable transfer cables

Part. no.	Description
201331	ekey dLine control unit cable transfer cable 0.5 m
201334	ekey dLine control unit cable transfer cable 1.2 m
201332	ekey dLine control unit cable transfer cable 3.0 m
201333	ekey dLine control unit cable transfer cable 8.0 m
201337	ekey dLine control unit cable transfer cable GU connect 50 0.6 m
201338	ekey dLine control unit cable transfer cable GU connect 200 0.6 m

The plug-in data and power supply cable connects the control unit with the cable transfer from various providers.



Notice

Select the power supply based on the properties of the motorized lock.

7 Power supplies & UPS

Power supplies

Part. no.	Description
100205	ekey power supply DRM 230 VAC/12 VDC/2 A
100891	ekey power supply DRM 230 VAC/24 VDC/2 A
100204	ekey power supply outlet-mounted 230 VAC/12 VDC/2 A
101742	ekey power supply outlet-mounted 230 VAC/24 VDC/1.1 A



Uninterruptible power supply (UPS)

Part. no.	Description
101559	UPS rail-mounted 230 VAC/12 VDC/5 A + rechargeable battery 4 Ah; 6 HP + 9 HP

2 parts: UPS (switched-mode power supply) and rechargeable battery
 Output voltage/current: 12 VDC/ 5 A

Part. no.	Description
101593	UPS rail-mounted 230 VAC/24 VDC/3 A + rechargeable battery 4 Ah; 6 HP + 9 HP + 9 HP

3 parts: UPS (switched-mode power supply) and 2x rechargeable battery
 Output voltage/current: 24 VDC/ 3 A

The uninterruptible power supply secures the power supply of the ekey devices in the event of a power failure. The UPS replaces the power supply. Suitable for use in conjunction with a motorized lock.

Technical data:
 Dimensions H x W x D:
 UPS: 94 x 108 x 95 mm (6 HP)
 Rechargeable battery: 93 x 157 x 66.5 mm (9 HP)
 Supply voltage: 100-240 VAC
 Temperature resistance from -10°C to +40°C





Sets for door and lock manufacturers



Sets for built-in fitting in the door leaf (material-dependent)

Part. no.	Description
201701	ekey dLine set for aluminum/metal/plastic doors
201702	ekey dLine set for timber doors
The set does not include a connection cable to the motorized lock.	

Sets by lock manufacturer (material-independent)

Part. no.	Description
201711	ekey dLine door handle set Winkhaus blueMatic EAV
201712	ekey dLine door leaf set Winkhaus blueMatic EAV
201713	ekey dLine door handle set Winkhaus blueMotion
201714	ekey dLine door leaf set Winkhaus blueMotion
201715	ekey dLine door handle set GU-SECURY Automatic
201716	ekey dLine door leaf set GU-SECURY Automatic
201717	ekey dLine door handle set KfV Genius A
201718	ekey dLine door leaf set KfV Genius A
201719	ekey dLine door handle set KfV Genius B
201720	ekey dLine door leaf set KfV Genius B
201721	ekey dLine door handle set Roto Eneo C
201722	ekey dLine door leaf set Roto Eneo C
201723	ekey dLine door handle set FUHR autotronic/multitronic
201724	ekey dLine door leaf set FUHR autotronic/multitronic
201725	ekey dLine door handle set MACO A-TS
201726	ekey dLine door leaf set MACO A-TS

Important

Each set includes an ekey dLine fingerprint scanner, an ekey dLine control unit, the ekey dLine control unit mounting plate (round-cut/square-cut), a design element, and an ekey dLine fingerprint scanner control unit cable. The lock manufacturers' sets also include a connection cable to the motorized lock. In any case, for activation you also need an ekey dLine cable transfer (201401) or, if this is not used, an ekey dLine control unit cable transfer cable (201331-201333).



Door handles

1+2 ekey dLine door handles

Part. no.	Description
201501	ekey dLine door handle 4-sided, straight 40 x 20 x 1200 mm
201504	ekey dLine door handle 4-sided, straight 40 x 20 x 1800 mm
The ekey dLine door handle made of stainless steel has the ekey dLine fingerprint scanner incl. design element already integrated and can be used on all standard aluminum, plastic, or timber doors.	
Technical data: Material: stainless steel (V4A) Surface: brushed Mounting set for fastening to aluminum, plastic, or timber doors incl. separable ekey dLine fingerprint scanner control unit cable (3.5 m) Cable outlet on the bottom bracket	



3 ekey dLine control unit

Part. no.	Description
201201	ekey dLine control unit
With its relay, the ekey dLine control unit controls a motorized lock to open front, basement, or side entrance doors. In addition, it has an input for external opening, e.g. via door stations.	
Technical data: Dimensions H x W x D: 117 x 16 x 33 mm Supply voltage: 12-24 VDC Power consumption: approx. 0.6 W Temperature resistance from -25°C to +70°C IP code: IP30 Number of relays: 1 (dry contact/wet contact) Digital input: 1 (dry contact)	



Accessories

Part. no.	Description
201211	ekey dLine control unit mounting plate round-cut 20 mm
201212	ekey dLine control unit mounting plate round-cut 24 mm
201213	ekey dLine control unit mounting plate square-cut 20 mm
201214	ekey dLine control unit mounting plate square-cut 24 mm
201215	ekey dLine control unit mounting plate round-cut 16 mm
201216	ekey dLine control unit mounting plate square-cut 16 mm
The mounting plate is used to fasten the control unit in the door leaf.	





4 ekey dLine control unit motorized lock cables

Part. no.	Description
201341	ekey dLine control unit motorized lock cable 0.3 m
201342	ekey dLine control unit motorized lock cable 3.5 m
	This cable connects the ekey dLine control unit with the motorized lock.

Lock-specific cables

Part. no.	Description
201352	ekey dLine control unit motorized lock cable MACO
201354	ekey dLine control unit motorized lock cable Glutz
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201360	ekey dLine control unit motorized lock cable Winkhaus blueMatic EAV
201362	ekey dLine control unit motorized lock cable GU-SECURY Automatic

Notice

The ekey dLine cable transfer is ready to plug in and impresses therefore when it comes to built-in fitting.



5 ekey dLine cable transfer

Part. no.	Description
201401	ekey dLine cable transfer
	The control unit is supplied with power and data via the cable transfer.
	Technical data: Dimensions H x W x D: 511 x 24 x 17.5 mm Material/surface: steel/chrome Housing: on the door leaf side - Max. opening angle: 180° Type of cable: LiYY, 0.34 mm ² - 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 connecting to the control unit

Accessories

Part. no.	Description
201411	ekey dLine cable transfer built-in fitting set, timber
201412	ekey dLine cable transfer replacement cable 10 m
	The standard ekey dLine cable transfer has a 2.5 m long data and power connection cable on the frame side. If this is too short, it can be exchanged for the 10-meter replacement cable.
201413	ekey dLine control unit cable transfer cable extension 1.0 m
	Extension cable from the ekey dLine cable transfer to the ekey dLine control unit.



6 ekey dLine control unit cable transfer cables

Part. no.	Description
201331	ekey dLine control unit cable transfer cable 0.5 m
201334	ekey dLine control unit cable transfer cable 1.2 m
201332	ekey dLine control unit cable transfer cable 3.0 m
201333	ekey dLine control unit cable transfer cable 8.0 m
201337	ekey dLine control unit cable transfer cable GU connect 50 0.6 m
201338	ekey dLine control unit cable transfer cable GU connect 200 0.6 m
	The plug-in data and power supply cable connects the control unit with the cable transfer from various providers.



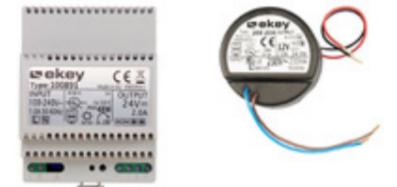
7 Power supplies & UPS

Power supplies

Part. no.	Description
100205	ekey power supply DRM 230 VAC/12 VDC/2 A
100891	ekey power supply DRM 230 VAC/24 VDC/2 A
100204	ekey power supply outlet-mounted 230 VAC/12 VDC/2 A
101742	ekey power supply outlet-mounted 230 VAC/24 VDC/1.1 A

Notice

Select the power supply based on the properties of the motorized lock.



Uninterruptible power supply (UPS)

Part. no.	Description
101559	UPS rail-mounted 230 VAC/12 VDC/5 A + rechargeable battery 4 Ah; 6 HP + 9 HP
	2 parts: UPS (switched-mode power supply) and rechargeable battery Output voltage/current: 12 VDC/ 5 A
101593	UPS rail-mounted 230 VAC/24 VDC/3 A + rechargeable battery 4 Ah; 6 HP + 9 HP + 9 HP
	3 parts: UPS (switched-mode power supply) and 2x rechargeable battery Output voltage/current: 24 VDC/ 3 A
	The uninterruptible power supply secures the power supply of the ekey devices in the event of a power failure. The UPS replaces the power supply. Suitable for use in conjunction with a motorized lock.
	Technical data: Dimensions H x W x D: UPS: 94 x 108 x 95 mm (6 HP) Rechargeable battery: 93 x 157 x 66.5 mm (9 HP) Supply voltage: 100-240 VAC Temperature resistance from -10°C to +40°C

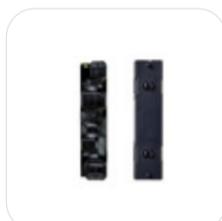


Retrofit mounting solutions for finger scanner integra

ekey offers the following retrofit mounting sets for changing from the finger scanners integra 1.0 and 2.0 to the ekey dLine fingerprint scanner — depending on which control panel the existing system is based on:



Control panel integra



Control panel micro

Finger scanner integra 1.0¹ or 2.0 with control panel integra

Part. no.	Description
291021	ekey dLine fingerprint scanner adapter set FS IN/CP IN
	The set includes the ekey dLine fingerprint scanner incl. ekey dLine fingerprint scanner adapter integra, the suitable ekey dLine design element, the ekey dLine control unit, the ekey dLine fingerprint scanner/control unit adapter cable and the ekey dLine control unit adapter cable.

A **suitable mounting plate** is also required:

Part. no.	Description
101905	ekey mounting plate round-cut 20 x 272 mm
101906	ekey mounting plate round-cut 24 x 272 mm
101907	ekey mounting plate square-cut 20 x 272 mm
101908	ekey mounting plate square-cut 24 x 272 mm

Finger scanner integra 1.0¹ or 2.0 with control panel micro

Part. no.	Description
291022	ekey dLine fingerprint scanner adapter set FS IN/CP micro
	The set includes the ekey dLine fingerprint scanner incl. ekey dLine fingerprint scanner adapter integra, the suitable ekey dLine design element, the ekey dLine control unit, the ekey dLine fingerprint scanner/control unit adapter cable and the ekey dLine control unit adapter cable.

Important

The retrofit mounting of the finger scanners integra 1.0¹ or 2.0 with the control panel micro should always be carried out by **specialist personnel**.

¹ Please request an additional **power supply DC** for the **finger scanner integra 1.0** in consultation with ekey support.

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

www.ekey.net/en/downloadcenter/?modell=dline-en&typ=wiring-diagrams



Mounting instructions

www.ekey.net/en/download-center/?modell=dline-en&typ=mounting-instructions



Customer training

www.ekey.net/en/ekey-dline-customer-training/



FAQ about the ekey bionyx system

www.ekey.net/en/bionyx-faq/



Data sheets

www.ekey.net/en/data-sheets/



Instructions for fitters or electricians

www.ekey.net/Information_sheet_Instructions_for_fitters_or_electricians.pdf



Information sheet for the retrofit mounting of finger scanner integra

www.ekey.net/information_sheet_for_the_retrofit_mounting_of_finger_scanner_integra.pdf



ekey bionyx app

www.ekey.net/en/ekey-bionyx-app/

