

ekey finger scanner arte
with operation via app

ekey finger scanner arte

Open the door with your finger or app.

The *ekey finger scanner arte* model is the flagship product in terms of design in a small format. Many well-known manufacturers in the door industry, and especially push handle manufacturers, are already integrating the smallest ekey fingerprint access solution at the factory.

With its elegant stainless-steel finger swipe area, *ekey finger scanner arte* has been specially designed for flush installation in both high-quality doors and designer handles. Thanks to its slim and compact design, the finger scanner can even be integrated discreetly into unusual door designs and is suitable for both internal and external doors.

Now ekey biometric systems has succeeded in taking another technological step towards a digital future:

NEW: ekey finger scanner arte is now suitable for apps.

With the new *ekey control panel micro plus*, the *ekey finger scanner arte* can now be controlled by app. You can therefore open the door with your smartphone and enjoy all the benefits of operation via app which were previously reserved for the *ekey finger scanner integra*.

Thanks to this development, door and push handle manufacturers in particular have an operating concept which works with any model and is characterized by its user-friendly control: the *ekey home app*

The intuitive menu navigation by smartphone enables the dealer, installer or end user to carry out commissioning quickly. All the important configuration settings, such as creating, managing, and deleting users, assigning authorizations for defined access, changing relay times, and much more can be carried out at any time by the owner (as the administrator).

SHORT FACTS:

- Smallest fingerprint access solution (25.1 x 52.1 x 12.1 mm)
- Specially designed for flush installation
- Simple design which can be integrated discreetly into high-quality doors and push handles
- Operating concept which works with any model (*ekey home app*)
- Simple commissioning thanks to intuitive menu navigation
- First finger scanner that is suitable for apps for push handle manufacturers
- Clear competitive advantage through technological progress
- Top-quality products MADE IN AUSTRIA by Europe's top provider of fingerprint access solutions



Good reasons to choose ekey finger scanners



UNRIVALED CONVENIENCE

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



MAXIMUM SECURITY

- No lost or stolen keys!
- Maximum protection against forgery thanks to live finger detection with RF sensor technology!
- Not possible for access 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 intelligent 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.



KNOW WHO IS COMING HOME

By using the ekey fingerprint access control system, building control systems can now detect "which person" triggers an action.



5-YEAR QUALITY GUARANTEE

for all ekey products!



Simple, secure, convenient.

ACCESS

- Open doors via app (smartphone/tablet device)
- Assign access authorization with a user code
- Provide temporary access (while on vacation, for example)

USER ADMINISTRATION

- Easy to create, manage, and delete users
- Enable or disable users at the touch of a button
- Assign authorization for defined access
- Finger enrollment is controlled via the app
- Easy administration of up to 99 fingerprints
- Administration of up to 99 RFID cards*

SECURITY

- Administrator and user level
- 4 to 6-digit app security code
- Enhanced security thanks to 6-digit coupling code
- Administrator is able to change and administer security codes
- Deactivate the finger scanner's Bluetooth function

USEFUL TOOLS

- Adjustable LED brightness on the finger scanner
- Relay switching times can be set individually
- Reset the system to default settings

The *ekey home app* is only compatible with the *ekey home – single-point access solutions* system!

* Only in the case of *ekey finger scanner integra BT/RFID*

FREE for ANDROID and iOS >>>

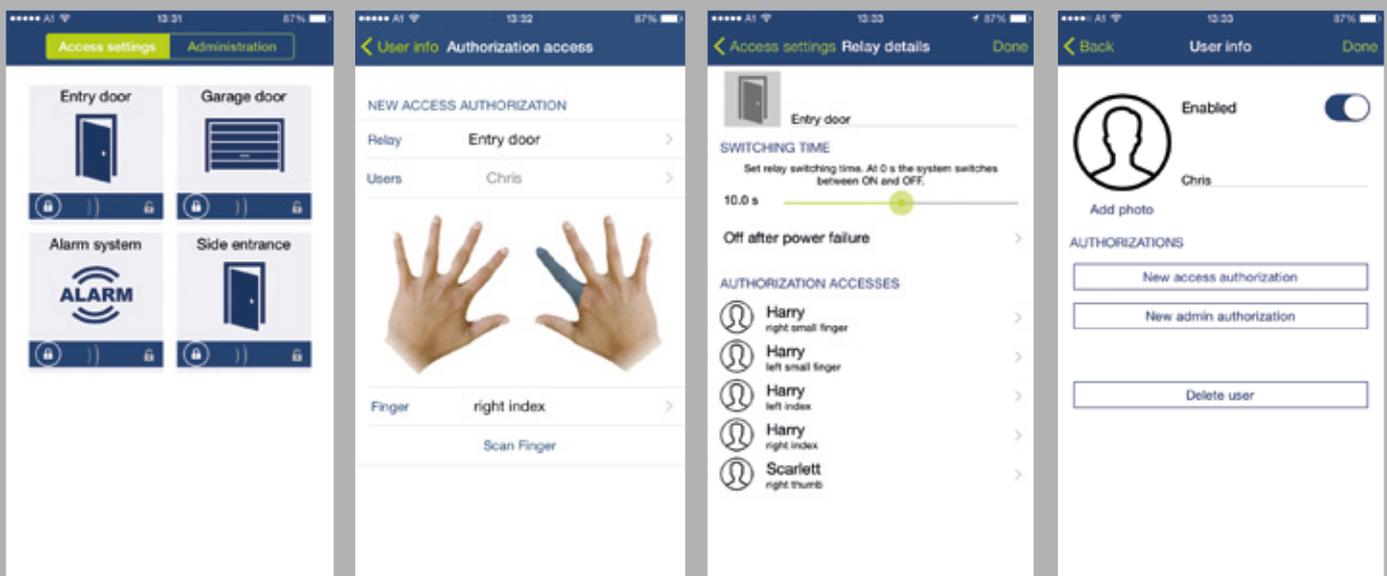


Google Play Store



App Store

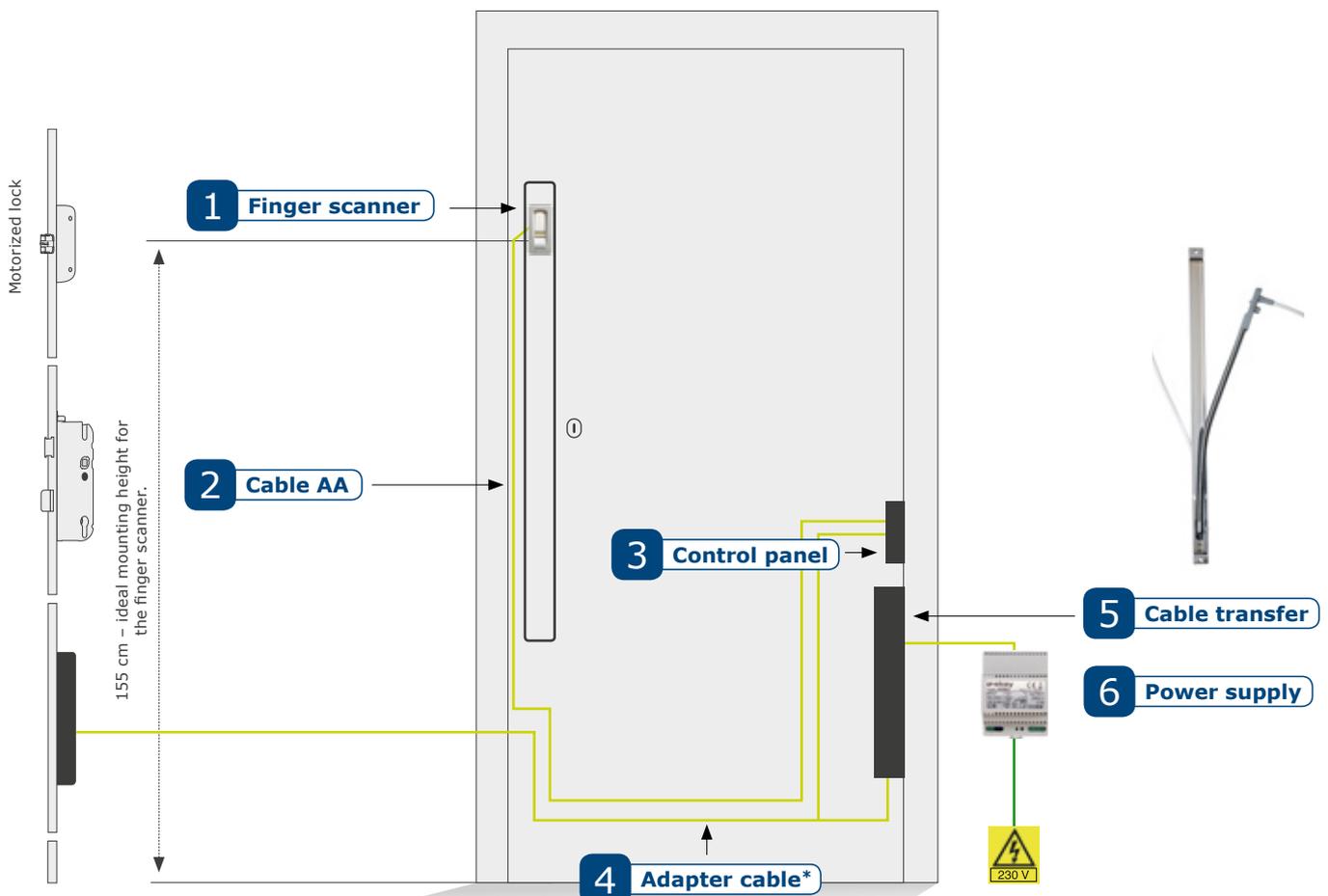
ekey home app – fool-proof menu navigation:



ekey arte

ekey finger scanner arte

with ekey control panel **micro plus**.



1 Finger scanner



Part no.	Description
101 592	ekey FS AR ST V SV , stainless steel, vertically grinded screw variant
101 627	ekey FS AR ST V GV , stainless steel, vertically grinded glue variant

- FAR: 1:10,000,000/FRR: 1:100
- Dimensions W x H x D: 25.1 x 52.1 x 9.4 (17.2 mm mounting box)
- Power consumption: approx. 1 W
- Supply voltage: 5 V
- IP Code: IP54
- Minimum mounting height: 155 cm
- Finger scanner functions: 99 fingers can be stored, tamper protection, data is retained in the event of a power failure
- Temperature range: -25 °C to 70 °C

2 Cable AA

Cable AA connects finger scanner and control panel



Part no.	Description	
101 601	ekey cable AA , 0.5 m, 5 x 0.14, SH/CP35	5-core, 0.5 m length
101 597	ekey cable AA , 1.5 m, 5 x 0.14, SH/CP35	5-core, 1.5 m length
101 594	ekey cable AA , 2.0 m, 5 x 0.14, SH/CP35	5-core, 2.0 m length
101 595	ekey cable AA , 2.5 m, 5 x 0.14, SH/CP35	5-core, 2.5 m length
101 563	ekey cable AA , 3.0 m, 5 x 0.14, SH/CP35	5-core, 3.0 m length
101 596	ekey cable AA , 3.5 m, 5 x 0.14, SH/CP35	5-core, 3.5 m length
101 569	ekey cable AA , 4.0 m, 5 x 0.14, SH/CP35	5-core, 4.0 m length

Cable AA, separable, connects finger scanner and control panel for easy mounting in door pulls



Part no.	Description		Part no.	Description
101 616	ekey cable AA , 0.5 m, 4 x 0.25, M5/SH	+	101 628	ekey cable AA , 2.0 m, 4 x 0.25, M5/CP
101 666	ekey cable AA , 0.8 m, 4 x 0.25, M5/SH		101 617	ekey cable AA , 2.5 m, 4 x 0.25, M5/CP
101 659	ekey cable AA , 2.0 m, 4 x 0.25, M5/SH		101 624	ekey cable AA , 3.0 m, 4 x 0.25, M5/CP
			101 625	ekey cable AA , 3.5 m, 4 x 0.25, M5/CP

! The maximum cable length must not exceed 5 metres. You will need a cable from both columns for a complete cable AA. The cable sheath outer diameter is 3.1mm, the M5 plug diameter is 6.5mm.



3

Control panel



Part no.	Description						
101 837	ekey home CP micro plus 1, 1 relay <ul style="list-style-type: none"> • Dimensions W x H x D: 18 x 120 x 26 mm (without faceplate) • Power consumption: approx. 1 W • Supply voltage: 12-24 VDC • Temperature range: -20 °C to 70 °C • IP Code: IP30 • Relay: 1 output (NO) • RS-485 termination: fixed • Reset button on the control panel • Plug-in connections (CP35) 						
	<ul style="list-style-type: none"> • Max. relay voltage, relay current: 42 VAC/DC; 2A • One digital input for request-to-exit button (can also be used for resetting to default settings) • Operation only with finger scanner arte • Operation: via app (or administrator finger) • Tamper-proof due to encrypted communication between ekey home finger scanner arte and ekey home control panel plus. 						
	<table border="1"> <thead> <tr> <th>ekey mounting plate CP micro plus Round faceplate</th> <th>ekey mounting plate CP micro plus Square-cut faceplate</th> </tr> </thead> <tbody> <tr> <td>101 881 ekey mounting plate CP micro plus, r20 mm</td> <td>101 883 ekey mounting plate CP micro plus, s20 mm</td> </tr> <tr> <td>101 882 ekey mounting plate CP micro plus, r24 mm</td> <td>101 884 ekey mounting plate CP micro plus, s24 mm</td> </tr> </tbody> </table>	ekey mounting plate CP micro plus Round faceplate	ekey mounting plate CP micro plus Square-cut faceplate	101 881 ekey mounting plate CP micro plus, r20 mm	101 883 ekey mounting plate CP micro plus, s20 mm	101 882 ekey mounting plate CP micro plus, r24 mm	101 884 ekey mounting plate CP micro plus, s24 mm
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101 882 ekey mounting plate CP micro plus, r24 mm	101 884 ekey mounting plate CP micro plus, s24 mm						
	<ul style="list-style-type: none"> • Required mounting plate for CP micro plus in door frame • Dimensions W x H x D: 20 (24) x 200 x 3 mm • ABS plastic, grained on one side, black 						
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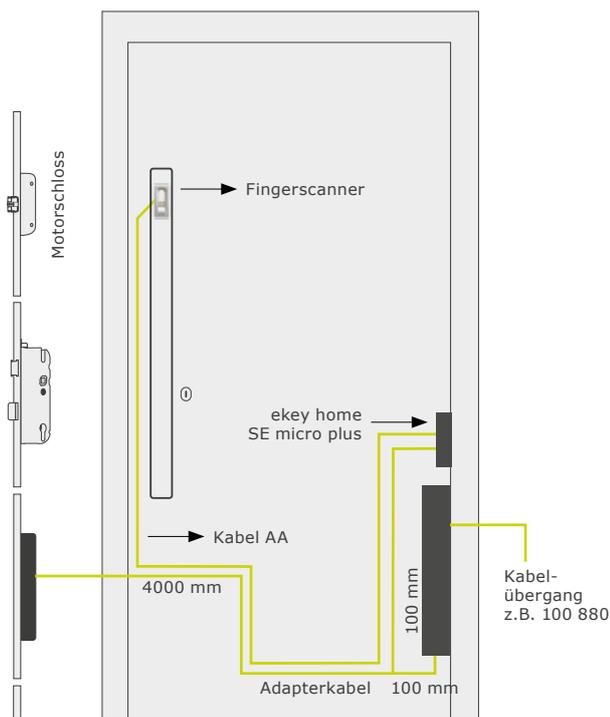
Available from July 2017

4

Adapter cable

The following adapter cables (Y-cables) allow the plug-in electrical connection between the ekey control panel micro, the ekey cable transfer and the motorized lock. There are different adapter cables for motorized locks from the different manufacturers.

The mounting position of the control panel ekey micro in the door – by the lock casing or on the cable transfer side – determines the lengths of the various cable sections. This makes installation in the door very easy.



“CTS” configuration – CP micro next to cable transfer

Part no.	Description
101 868	ekey adapter micro plus KFV A CTS <ul style="list-style-type: none"> • 8-core, length: 4100 mm • for motorized lock KFV Genius A
101 869	ekey adapter micro plus KFV B CTS <ul style="list-style-type: none"> • 8-core, length: 4100 mm • for motorized lock KFV Genius B
101 870	ekey adapter micro plus FUHR CTS <ul style="list-style-type: none"> • 8-core, length: 4100 mm • for motorized lock Fuhr Multitronic/Autotronic
101 871	ekey adapter micro plus ROTO CTS <ul style="list-style-type: none"> • 8-core, length: 4100 mm • for motorized lock Roto Eneo A
101 872	ekey adapter micro plus GU CTS <ul style="list-style-type: none"> • 8-core, length: 4100 mm • for motorized lock GU Security Automatic
101 873	ekey adapter micro plus WHS BMATIC CTS <ul style="list-style-type: none"> • 8-core, length: 4100 mm • for motorized lock Winkhaus blueMatic EAV

5 Cable transfer

8-core cable transfer



Part no.	Description
100 880	ekey CTL 48/8; cable transfer housing on the leaf side <ul style="list-style-type: none"> Housing dimensions H x W x D: 478 x 24 x 17.5 mm Housing installation in the door leaf Door opening up to approx. 180° Cable length on the frame side: 2.5 m
101 750	ekey CTL 48/8; cable transfer housing on the leaf side <ul style="list-style-type: none"> Housing dimensions H x W x D: 478 x 24 x 17.5 mm Housing installation in the door leaf Door opening up to approx. 180° Cable length on the frame side: 4 m
101 475	ekey CTL 48/8; cable transfer housing on the leaf side <ul style="list-style-type: none"> Housing dimensions H x W x D: 478 x 24 x 17.5 mm Housing installation in the door leaf Door opening up to approx. 180° Cable length on the frame side: 10 m
100 881	ekey CTF 48/8; cable transfer housing on the frame side <ul style="list-style-type: none"> Housing dimensions H x W x D: 478 x 24 x 17.5 mm Housing installation in the door leaf Door opening up to approx. 180° Cable length on the frame side: 2.5 m
101 751	ekey CTF 48/8; cable transfer housing on the frame side <ul style="list-style-type: none"> Housing dimensions H x W x D: 478 x 24 x 17.5 mm Housing installation in the door leaf Door opening up to approx. 180° Cable length on the frame side: 4 m
100 883	ekey CTL o.k./8; cable transfer without housing <ul style="list-style-type: none"> Installation in the door frame Door opening up to approx. 180° Cable length on the frame side: 2.5 m Cable: Li9Y11Y, 8 x 0.34 mm² Cable length on the leaf side: 0.8 m, with CP35/8 connector at the end for connecting to the control panel
100 870	ekey cable B, extension for cable on leaf side 1.0 m, CP35/CP35
100 890	ekey CT built-in fitting set timber <ul style="list-style-type: none"> Rounded ends for installation with router

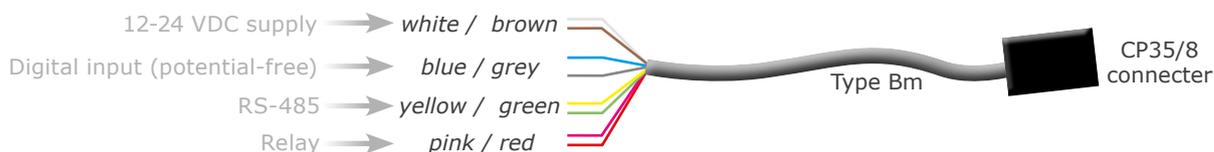


Cable Bm+

Only required when not using a lock adapter cable.



Part no.	Description
101 879	ekey cable Bm+ 0.3 m 8 x 0.34 CP / AEH
101 880	ekey cable Bm+ 3.5 m 8 x 0.34 CP / AEH



Cable Bm+



Part no.	Description
101 878	ekey adapter micro plus WHBM 0.3m <ul style="list-style-type: none"> For ekey control panel micro plus and Winkhaus blueMotion lock

Notice: You can find wiring diagrams on our website at www.ekey.net/en/media_center

6

Power supply

Power supply or uninterruptible power supply



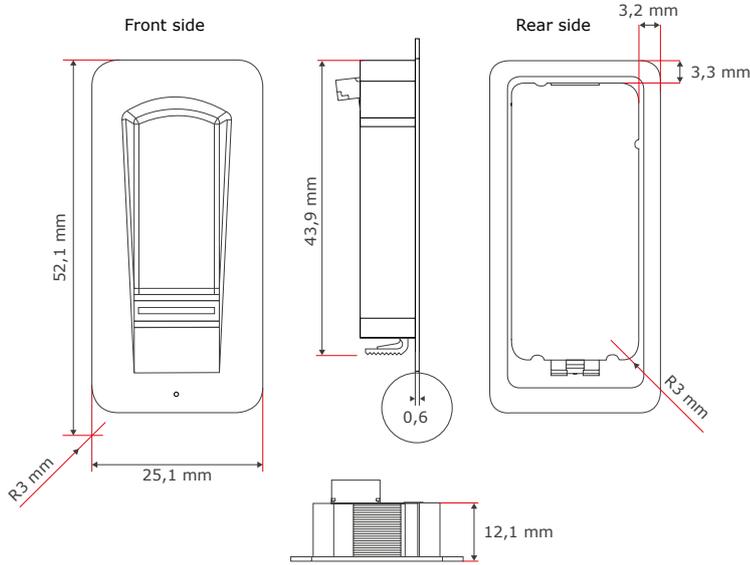
Part no.	Description	
100 205	ekey PS DRM 230 VAC/12 VDC/2 A; DIN-rail mounted	<p>! Important: Select the power supply based on the properties of the motorized lock.</p>
100 891	ekey PS DRM 230 VAC/24 VDC/2 A; DIN-rail mounted	
100 204	ekey PS OM 230 VAC/12 VDC/2 A; outlet-mounted	
101 742	ekey PS OM 230 VAC/24 VDC/1.1 A; outlet-mounted	
101 559	ekey UPS DRM 230 VAC/12 VDC/4 Ah; DIN-rail mounted	
	<ul style="list-style-type: none"> • Dimensions W x H x D: UPS: 140 x 93 x 66.5 mm (8 HP) Battery: 157 x 93 x 66.5 mm (9 HP) • Supply voltage: 100-240 VAC • 2 parts: UPS (switched-mode power supply) and battery • Output voltage, output current: 12 VDC; 2 A 	<ul style="list-style-type: none"> • Temperature range: -10°C 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.
101 593	ekey UPS DRM 230 VAC/24 VDC/4 Ah; DIN-rail mounted	
	<ul style="list-style-type: none"> • Dimensions W x H x D: UPS: 210 x 93 x 66.5 mm (12 TE) Battery: 157 x 93 x 66.5 mm (9 HP) • Supply voltage: 100-240 VAC • 3 parts: UPS (switched-mode power supply) and 2 batteries • Output voltage, output current: 24 VDC; 3 A 	<ul style="list-style-type: none"> • Temperature range: -10°C 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.



ekey arte

Finger scanner dimensions

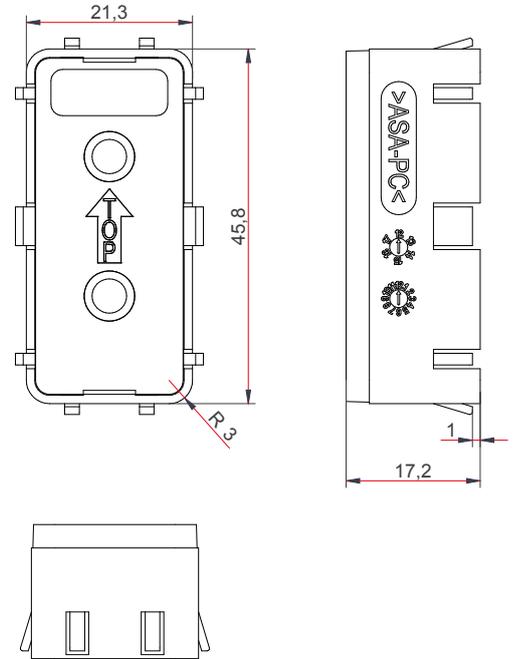
Part no.: 101 592, 101 627



Part no.: 101 592

Milling dimensions
+0.5 mm

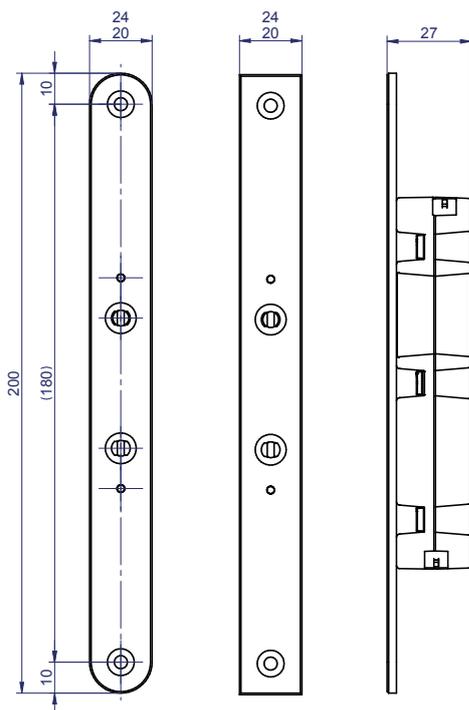
Mounting part dimensions



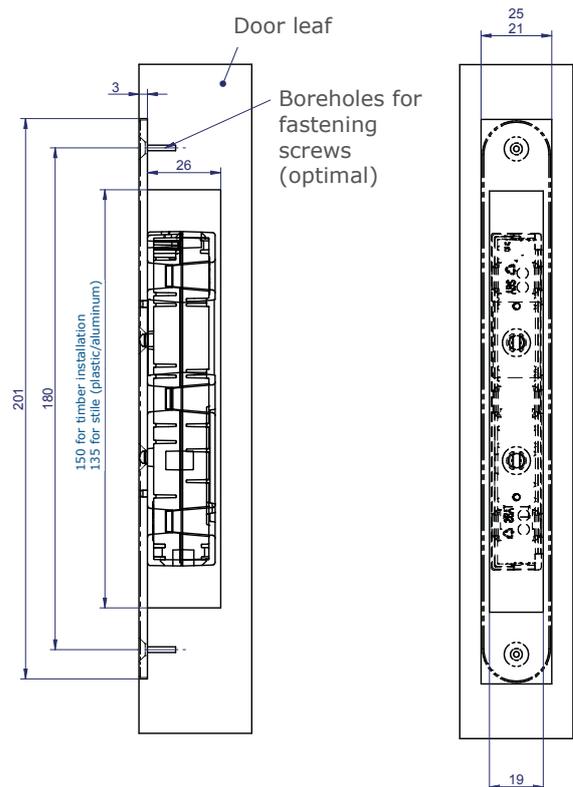
ekey micro plus

Control panel dimensions

Dimensions in mm



Milling dimensions



Operating concepts



ekey operating concepts

It is very important to us that ekey products are always easy and intuitive to use. With this in mind, we have developed a range of operating concepts to suit all sorts of different requirements and applications.



ekey home app

The innovative and convenient solution for ekey finger scanner administration. All functions of the ekey finger scanner access control system can be set in an instant via your smartphone or tablet. You can also use the app to unlock your front door. Available for Apple iOS and Google Android.



ekey administrator finger

The economic entry-level solution. Access rights can be saved directly on the finger scanner with defined administrator fingers.



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