



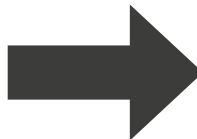
## Information sheet for converting

an ekey home set finger scanner integra into an ekey dLine set

# Conversion



ekey home set  
finger scanner integra



ekey dLine set

# Important information

- The conversion is only possible for the ekey home finger scanner integra including its control panel. It is not possible to replace the ekey finger scanner arte.
- It is recommended to have the conversion carried out by specialist personnel.
  - In addition to the ekey home finger scanner integra, the cable transfer may also have to be removed so that you can get to the control panel.
  - If the micro control panel is installed on the lock side, the complete multi-point lock must be removed and reinstalled, which is labor-intensive and time-consuming.
- There are two sets, which differ in the different adapter cables depending on the installed control panel (CP IN or CP micro):
  - 291021** ekey dLine fingerprint adapter set FS IN/CP IN
  - 291022** ekey dLine fingerprint adapter set FS IN/CP micro

Therefore, it is important to know which control panel was in use.

**Note:** The ekey dLine control unit has only one relay. If an SE IN with two relays was installed, the scope of functions will change.

# Instructions for fitters or electricians

## **291021** ekey dLine fingerprint adapter set FS IN/CP IN

**201001** ekey dLine fingerprint scanner incl. ekey dLine fingerprint scanner adapter integra

**291121** ekey dLine design element adapter integra SG

**201201** ekey dLine control unit

**291301** ekey dLine fingerprint scanner/control unit adapter cable 0.13 m

**291331** ekey dLine control unit adapter cable CP micro 0.13 m

## **291022** ekey dLine fingerprint adapter set FS IN/CP micro

**201001** ekey dLine fingerprint scanner incl. ekey dLine fingerprint scanner adapter integra

**291121** ekey dLine design element adapter integra SG

**201201** ekey dLine control unit

**291301** ekey dLine fingerprint scanner/control unit adapter cable 0.13 m

**291332** ekey dLine control unit adapter cable CP micro 0.13 m



201001



291121



201201



291301



291331



291332

## What other parts do you need?

**Optional** – if a CP IN was installed, a suitable mounting plate:

**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

**Note:** Use the correct faceplate depending on the faceplate width of the CP IN.



## What do you have to replace?

You must replace the ekey home finger scanner integra including the design element and the respective control panel, CP IN or CP micro.

## What can remain in the door?

The wiring, the cable transfer and the motorized lock remain from the existing ekey system (ekey home).

## How to replace the control panel

CP micro – from page 7 on  
CP integra – from page 13 on

## How to replace the finger scanner integra

FS IN into ekey dLine fingerprint scanner – from page 18 on

## Important information for the conversion

- Disconnect the devices from the power supply before you start removing them.
- It may be that the ekey dLine control unit including the adapter cable does not have enough space. With wooden doors, but also behind the cable transfer or the lock, the space is usually very limited. First check whether the new parts have space before continuing the conversion.
- Carry out the test mode as soon as the devices have been replaced and before they are installed in the door: Restore the power supply. Wait until the top-left LED segment on the ekey dLine fingerprint scanner flashes blue. Place any finger within 10 minutes on the sensor. The motorized lock switches.

Then disconnect the power supply again and complete the installation of the ekey dLine fingerprint scanner and control unit.

# How to find the CP micro

There are several places where the CP micro could be installed: behind the cable transfer, on the plastic faceplate (mounting plate) or on the locking side.



# How to replace the CP micro

In most cases, the CP micro is located behind the cable transfer, so you have to remove it.



Pull out the adapter cable until the CP micro (in a housing or heat-shrink tubing) is out.

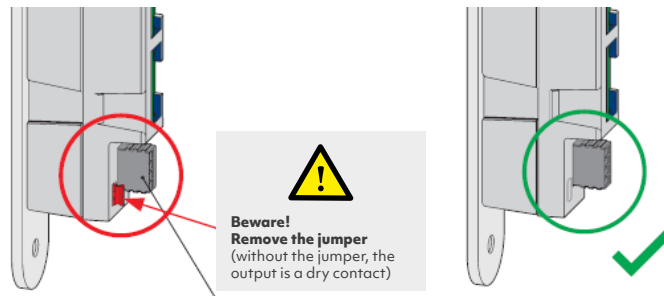
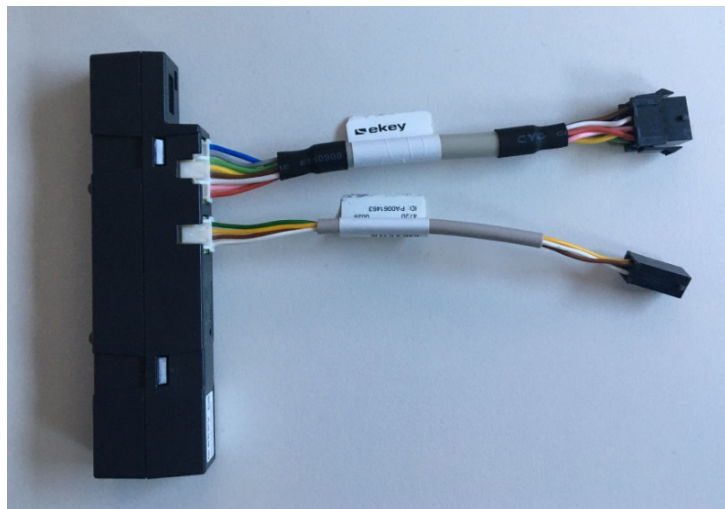


Unplug both connection cables.



# How to replace the CP micro

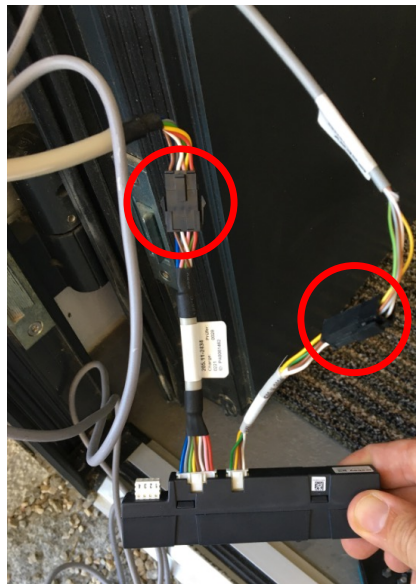
Plug the two adapter cables (291301 and 291332) into the ekey dLine control unit.



In this case, you do not have to connect anything to the 4-core motor plug.

# How to replace the CP micro

Plug the existing adapter cable or A cable into the two adapter cables (291301 and 291332) in the door.  
Hide the cables and the ekey dLine control unit back in the door.  
Reinsert the cable transfer and screw it on.



# How to replace the CP micro



Unscrew the CP micro if it is located behind the plastic faceplate.  
Remove the CP micro from the faceplate.  
Unplug the two connection cables.



You can mount the ekey dLine control unit onto the existing mounting plate.  
The rest of the replacement is now as described previously.

# How to replace the CP micro

If the CP micro is on the motorized lock side, the conversion is very time-consuming: In most cases, the complete multi-point lock has to be removed.



- Have the conversion carried out by specialist personnel only.
- Apart from that, the procedure is the same as on the cable transfer side.

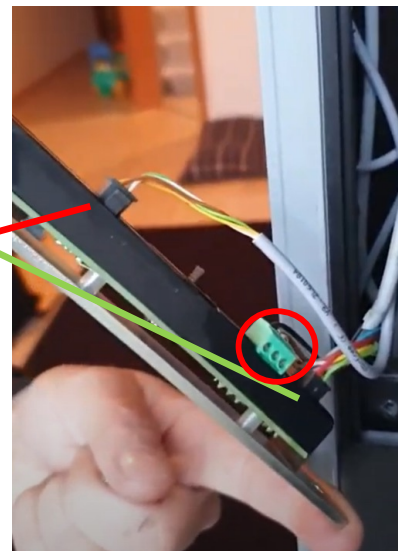
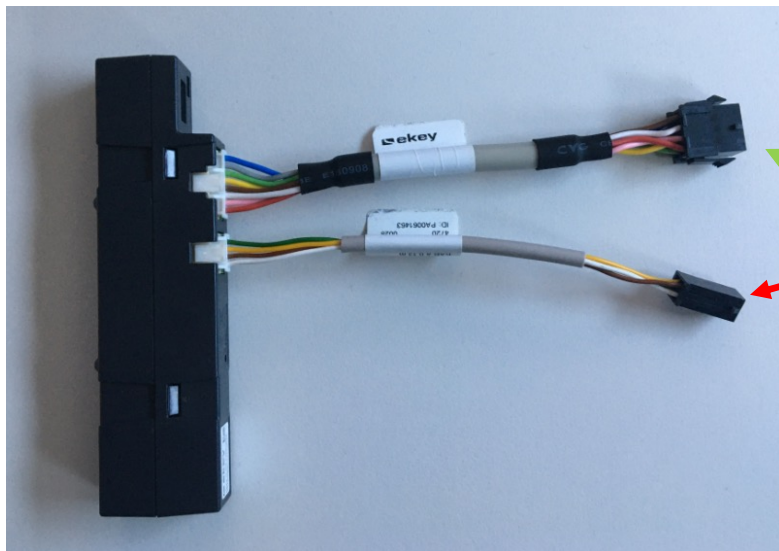
# How to replace the CP integra

The CP integra is located in the door rebate on the hinge side.  
You must loosen the two fastening screws to remove the CP integra.  
Pull out the CP integra and unplug all connection cables.



# How to replace the CP integra

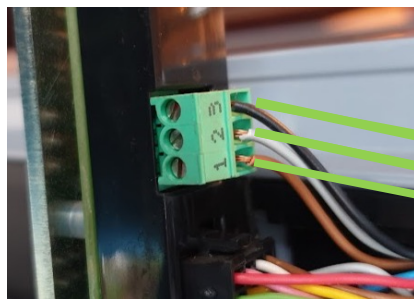
Plug the two adapter cables (291301 and 291331) into the ekey dLine control unit and the A cable and the cable from the cable transfer into the other ends.



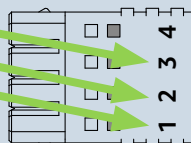
# How to replace the CP integra

Connect the cores from the green plug to the 4-core plug for the connection to the motorized lock (labeled 1 2 3 4).

Connection according to wiring diagram:



## Connection to the control unit



Pin	Color	Description
4	-	-
3	black	Switching impulse (+)
2	gray	GND (-)
1	brown	VDC (+)



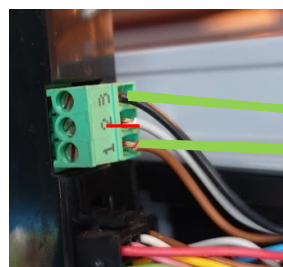
**Beware!**  
**Do NOT remove the jumper**

In the case of locks that work with a switching impulse, you must switch from the green plug to the ekey dLine plug as follows: 1 to 1, 2 to 2, 3 to 3. 4 remains free on the ekey dLine plug.

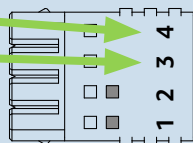
# How to replace the CP integra

Connect the cores from the green plug to the 4-core plug for the connection to the motorized lock (labeled 1 2 3 4).

Connection according to wiring diagram:

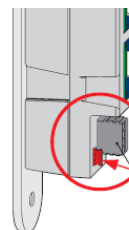


## Connection to the control unit

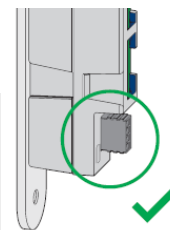


Pin	Color	Description
4	green	Opening signal
3	yellow	Opening signal
2	<del>brown</del>	<del>GND (-)</del>
1	<del>white</del>	<del>VDC (+)</del>

⚠ Jumper must be removed! ⚠



**Beware!**  
Remove the jumper  
(without the jumper,  
the output is a dry  
contact)



In the case of locks that work with a dry contact, you must switch from the green plug to the ekey dLine plug as follows:  
1 to 3, 3 to 4. 1 and 2 remains free on the ekey dLine plug.



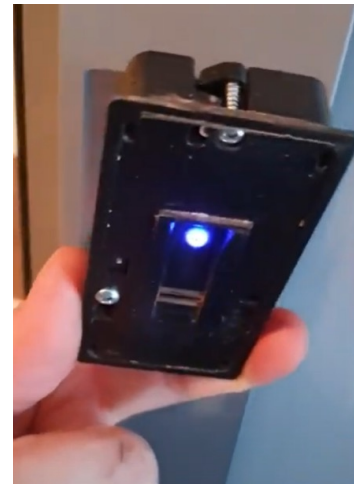
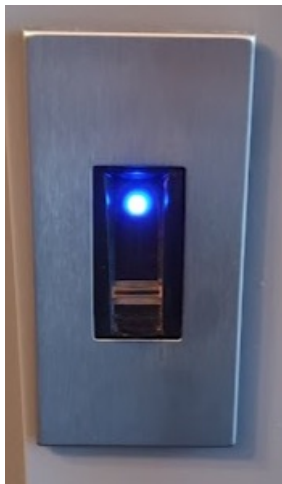
# How to replace the CP integra

Attach the appropriate mounting plate to the ekey dLine control unit.  
Stow the cables in the door leaf and screw the mounting plate back on.



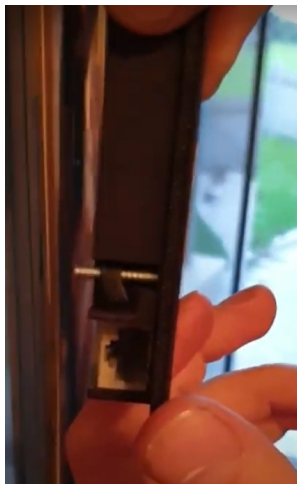
# How to replace the FS integra

- Remove the design element.
- Loosen the screws until the retaining clips have rotated to the side.
- Remove the finger scanner.
- Unplug the connection cable.



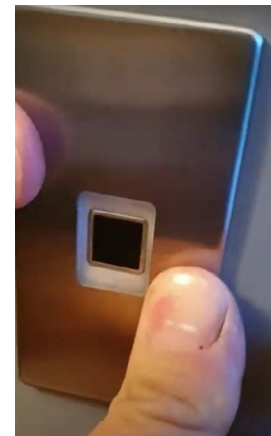
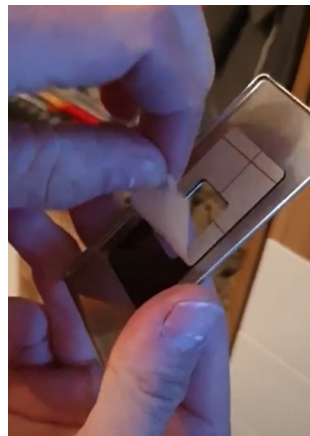
# How to replace the FS integra

Take the ekey dLine fingerprint scanner adapter for the integra finger scanner.  
Plug in the A cable. The adapter for the A cable is on the RJ-45 plug.



# How to replace the FS integra

Insert the ekey dLine fingerprint scanner adapter for the integra finger scanner.  
Screw it back on.  
Stick on the design element and press firmly.



# How to activate the ekey dLine system

You can activate your ekey dLine system as soon as the ekey dLine fingerprint scanner and the ekey dLine control unit have been installed and the power supply has been restored.

The top-left LED segment on the ekey dLine fingerprint scanner flashes blue.



Download the app and follow the instructions.



Designed, developed  
and made in Austria.

## Would you like to find out more about the ekey dLine?

### Austria (Headquarters)

ekey biometric systems GmbH  
Lunzerstraße 89  
A-4030 Linz  
T: +43 732 890 500 - 0  
E: [office@ekey.net](mailto:office@ekey.net)

### Germany

ekey biometric systems Deutschland GmbH  
Industriestraße 10  
D-61118 Bad Vilbel  
T: +49 6187 906 96 - 0  
E: [office@ekey.net](mailto:office@ekey.net)

### Switzerland & Liechtenstein

ekey biometric systems Schweiz AG  
Schaanerstrasse 13  
FL-9490 Vaduz  
T: +41 71 560 54 80  
E: [office@ekey.ch](mailto:office@ekey.ch)

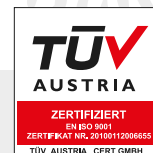
### Adriatic East region

ekey biometric systems d.o.o.  
Vodovodna cesta 99  
SI-1000 Ljubljana  
T: +386 1 530 94 89  
E: [info@ekey.si](mailto:info@ekey.si)

### Italy

ekey biometric systems Srl.  
Via Perathoner 31  
I-39100 Bolzano  
T: +39 0471 922 712  
E: [italia@ekey.net](mailto:italia@ekey.net)

[www.ekey.net](http://www.ekey.net)



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