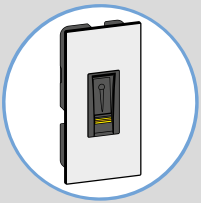
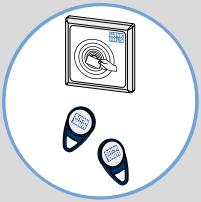
Installation, Operating and Maintenance Instructions
06/2018

blueMotion

Motorised Multipoint Locking System (24 V DC)





winkhaus.de

The blueMotion motorised multipoint locking system conforms to the requirements established by the directives of the council on the harmonization of legal regulations of member states regarding electromagnetic compatibility (89/336/EWG).
The manufacturer shall hereby certify the conformity of this product and document such by the CE marking according to the CPR (see Appendix).

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The following information and graphic images provided correspond to the current status of this product's development and manufacture.
For the purpose of customer satisfaction and operational reliability of the blueMotion motorised multipoint locking system, we reserve the right to make changes to the product.
All information and specifications provided by this operating manual have been compiled and reviewed with utmost care.

Due to the nature of technical advances made, amendments to legal regulations and other compulsory changes we do not warrant for the correctness or completeness of the contents' statements.
We always do appreciate suggestions or comments.

The blueMotion motorised multipoint locking system can be installed without any problems, if the instructions provided are followed and the door specifications indicated have been met.

1 Important information

2 Product description

3 Installation

4 Operation/Programming

1 Important information

1.1 General information

Dear customer!

We would like to thank you for the trust and confidence you have put in us by purchasing our quality product.
Please carefully read this operating manual to become acquainted with the installation and use of this security lock and to avoid malfunctions and safety hazards.

1.2 Intended use

The blueMotion motorised multipoint locking system and recommended Winkhaus components are suited to the following areas of application:
- Max. relative humidity 95%
- Ambient temperature between -10°C ... +55°C.

The entire door furniture has been explicitly designed to be used in conjunction with genuine Winkhaus parts. Other parts, not recommended by Winkhaus, may adversely effect the given properties of the motorised security lock.

We shall assume you use the lock as intended.

Access control systems and accessories included in the standard Winkhaus scope of delivery have been inspected for proper performance. If you use components of another manufacturer and if you have any doubts about the suitability of the component, you will have to contact the respective manufacturer about its fitness for use.

To ensure the intended use:
- the information and instructions required for this purpose must be passed on to the respective persons,
- only trained professionals should install the door furniture, locking units and accessory parts according to the installation instructions. Applicable DIN, EN standards and BauPVO are about to follow.

The stipulations of use as intended have been met, once the Winkhaus fittings are:

- installed according to their defined purpose and installation specifications,
- not used in another way than described,
- maintained and cared for at regular intervals as instructed,
- is not used longer than the limits set for wear and tear,
- repaired by trained professionals in the event of malfunctions,
- with profile cylinder in accordance with EN 1303 (Corrosion Resistance Class 3) generally with cam position ± 30°, in each case with smooth-running „free to turn" function, the use of a FZG cylinder is recommended.

CAUTION! Exceptions are panicLock blueMotion EN 179/1125. Only panic free to turn cylinders with FZG anti-barricade function and cam position max. ± 30 ° can be used!

DANGER! With panicLock blueMotion (BM) a rechargeable battery with charging connection (item no. 2121455) is to be installed!
Maintenance instructions/durability, see page 26, observe!

1.3 Use contrary to the intended purpose

The locking systems are not designed to absorb or compensate for changes in shape or changes in the closing mechanism of the door caused by fluctuation in temperature or in the structure of the building.
Waterproof doors or doors designed to contain aggressive corrosion-promoting air require special door furniture.

The locking systems are incorrectly used – that is used contrary to the terms described above – in evident in particular, if:

- the instructions on the intended use are not being followed;
- the problem-free operation is hindered due to the installation of external objects and/or objects that are not purpose-conformant in the opening zone, the locking system or within the keeps;
- the locking system or the keep is manipulated in such a way that their design, mode of operation or function is changed;

- the door is drilled through in the area of the lock housings or of the lock rod once the lock has been installed;
- the dead bolt projection or other locking components are employed contrary to their intended purpose, as a means to hold the door opened;
- the handle's pin is driven through the spindle with force;
- the lock components are installed improperly or are tampered with, e.g. by painting over moveable parts such as the bolt or the latch;
- loads exceeding those of normal manual force are transmitted via the safety key onto the lock system;
- perform a manual or mechanical locking or unlocking during the motor is working;
- the handle is turned counterclockwise or if a force greater than 150 N is exerted on the handle;
- the clearance between the door frame and sash is increased or decreased, which would for instance result from readjusting the hinge plates or from lowering the door;
- if auxiliary lifting tools or other tools are used to open or close the lock;
- the handle and key are used at the same time;
- the lock is opened/closed with objects not intended for that purpose;
- the size of the door opening deviates from the specifications prescribed.

1.4 Explanation of symbols

Flags are used to identify important information in this operating manual. Flags such as DANGER or CAUTION indicate the degree of hazard.
It is imperative that you do follow the measures listed to avoid safety hazards!

DANGER!
Danger to life or danger of serious injuries.

CAUTION!
Danger of material damage.

Notice:
Useful information and tips.

Eco-watch:
Notices on complying with regulations on environmental protection.

1.5 Important safety information

Safety information described in this section is to be diligently adhered to regarding the installation and use of the blueMotion motorised multipoint locking system.
You are to heed the safety information provided without exceptions!

- Study the installation and maintenance instructions in this operating manual and keep them in a place where they can be accessed without any problems. Pass them on to the end customer after having installed the entrance door.
- The manufacturer shall not be held liable for damage caused by use contrary to the intended purpose of the product.
- For security reasons, the lock has been designed to be used in conjunction with genuine Winkhaus parts. Using other parts may adversely effect the given properties of the security lock.
- It must be ensured that the door can be closed without any problems by the key.
- Installation/repair of electrical equipment requires expertise, thus such work should only be carried out by on electrician.
- Arbitrary modifications, changes or makeshift repairs are not permitted due to concerns for safety. You must only use genuine Winkhaus parts for replacements.
- The manufacturer shall only be held liable for security related properties of the power lock as stipulated within the bounds of statutory regulations, if the manufacturer himself or another instructed, authorized agent has carried out the maintenance and upkeep work or made the changes.
- Winkhaus does not accept liability for any type of damage caused by inadequate repair, modification or maintenance works made.
- For panicLock blueMotion EN179/1125 only panic free to turn cylinders with FZG anti-barricade function and cam position max. ± 30 ° can be used!
- With panicLock blueMotion (BM) a rechargeable battery with charging connection (item no. 2121455) is to be installed!

1.6 Abbreviations / Explanations

The following terms and abbreviations are used in these operating manual:

T-	Product range Security door lock
BM	blueMotion
Handle	Door handle
Grt.	Set
SB FRA	Center keep - latch/bolt/leveling member
MV	means “upper adjustment”
UMV	means “lower adjustment”
RS	DIN-right-handed
LS	DIN-left-handed
GR	grey powder coated
EST	stainless steel
MC	surface mat chrome-plated (silver color)
WS	white powder coated
Antenna	Antenna of transponder set
Control	External control
ACS	Access control system
RX / TX	Bus cable to exchange data between the external control and motor housing
UP-Dose	Switch box
LED	Light emitting diode
PE	Ground wire
N	Neutral wire
L	Phase
PF	Power file
S	Control
A	Accu/battery
V	Power supply
JY(ST)Y	Cable type
AC	Alternating current
DC	Direct current
NO	Make contact
NC	Break contact
NO-NC	Changer contact
USP	Uninterruptible power supply

2 Product description

blueMotion is a state-of-the-art system to security lock entryway doors. Easy-to-use and convenient. All opening and closing members of the locking mechanism are power-driven.

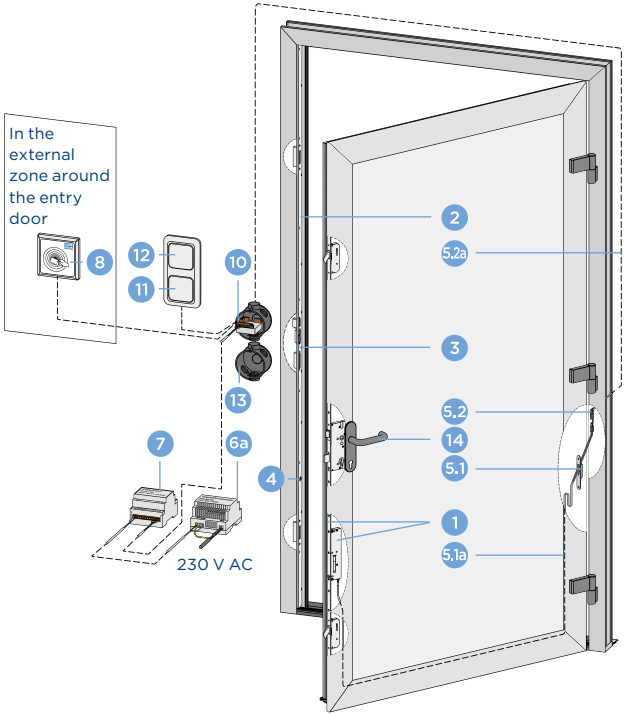


Figure 2-1: Locking system blueMotion with accessories (e.g. external control unit in switch box) and external power supply

CAUTION! When using frame power supply 24 V DC no use as a paniclock in emergency doors possible (due to lack of combination with battery).

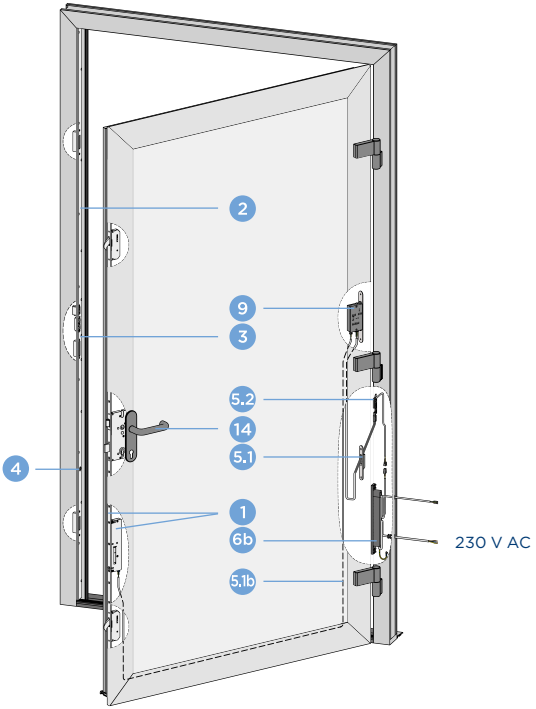


Figure 2-2: Locking system blueMotion with accessories (e.g. external control unit in the housing EV-G in the sash) and frame power supply 24 V DC

No.	Name	MUST! Mandatory *	Available as on accessory or as on option	Supplied by customer/ not included in delivery
1	blueMotion motorised multipoint locking system including motor housing (T-BM ...)	X		
2	Keep rail T-SL... / Extension keep set T-Grt. SL... / Single keeps T-SB...	X	X	
3	Center keep T-SB FRA ... AV ...	X	X	
4	Magnetic bush MV	X	X	
5	Cable transition		X	
5.1	Cable transition sash part T-KÜ-T1 FT		X	
5.1a	**Figure 2-1:** T-KÜ-T1 FT 2M / 3,5M Cable Cable at the sash side 2 m or 3.5 m long, plug for motor housing included			
5.1b	**Figure 2-2:** Cable transition set T-SET KÜ-T1 FT INTEG-BM including cable Sash part with cable 1,5 m, cable ends with 5-pole plug for housing EV-G + connecting cable EV-G motor 3,5 m (1st Cable end with plug for housing EV-G, 2nd Cable end with plug for motor housing BM)			
5.2	Cable transition frame part (suitable the sash part T-KÜ-T1 FT ...)		X	
5.2a	**Figure 2-1:** T-KÜ-T1 RT KABEL 4M including cable 4 m for connection of external access controls, eg. intercom, potential-free contact			
5.2b	**Figure 2-2:** T-KÜ-T1 RT KABEL 0,6M RNT with plug connection to the frame power supply 24 V DC (optional)			

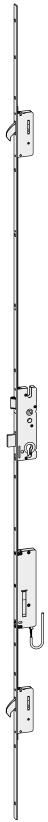
No.	Name	MUST! Mandatory *	Available as an accessory or as an option	Supplied by customer/ not included in delivery
6	Power supply		X	
6a	**Figure 2-1:** T-HT NETZTEIL 24 V DC/2,5 A			
6b	**Figure 2-2:** T-NETZTEILRAHM.** 24 V DC 1 A (2 A/2 S) (optional) including cable for connection of external access controls, eg. intercom, potential-free contact			
7	Battery, T-HT BATTERY WITH CHARGING CONNECTION		X	
8	Access control system: shown antenna from the control unit + transponder set **Notice:** Only install the antenna from the transponder set in the external zone around the entry door!		X	
9	External control unit in the housing EV-G F24 R12		X	
10	External control unit (for mounting e.g. in a switch box)	X	X	
11	"Open" button			X
12	"Day/Night service" switch ***			X
13	Switch box for (10/11/12)			X
14	Handle			X

* remaining components recommended for use, or should be used alternatively

** when using frame power supply 24 V DC no use as a paniclock in emergency doors possible (due to lack of combination with battery)

*** Realization of the day function in conjunction with daytime latch, electric strike with day release or with roller latch

1 blueMotion motorised multipoint locking system



blueMotion is a fully motorized triple-point-lock (including motor housing, sensor, can be used DIN-right-handed/DIN-left-handed), which ensures a comfortable locking and unlocking of doors with high safety and tightness.
They are profile cylinder in accordance with EN 1303 (Corrosion Resistance Class 3) generally with cam position ± 30°, in each case with smooth-running "free to turn" function, the use of a FZG cylinder is recommended.

CAUTION! The panicLock blueMotion EN 179/1125 anti-panic version must generally be designed with a free to turn cylinders with FZG anti-barricade function and mounted in conjunction with a battery (Article No. 2121455) for system zeroing.

1 blueMotion motorised multipoint locking system

2

Part description	Part-no.
Standard	
T-BM-F1660 L03/35 92/8 M2 MC	5045967
T-BM-F1660 L03/40 92/10 M2 MC	5045837
T-BM-F1660 L03/45 92/8 M2 MC	4997359
T-BM-F1660 L03/45 92/10 M2 MC	5045838
T-BM-F1660 L03/55 92/10 M2 MC	5045839
T-BM-F1660 L03/65 92/10 M2 MC	5046014
T-BM-F1660 L03/80 92/10 M2 MC	5006975
T-BM-F2060 L13/45 92/8 M2 MC	5046015
T-BM-F2060 L13/50 92/8 M2 MC	5046016
T-BM-F2060 L13/55 92/8 M2 MC	4940335
T-BM-F2060 L13/55 92/10 M2 MC	4985948
T-BM-F2060 L13/55 92/8 M2 GR	2219719
T-BM-F2060 L13/60 92/10 M2 MC	2515260
T-BM-F2060 L13/60 92/10 M2 GR	4937767
T-BM-F2060 L13/65 92/8 M2 MC	4940336
T-BM-F2060 L13/65 92/10 M2 MC	4985949
T-BM-F2060 L13/65 92/8 M2 GR	2130343
T-BM-F2060 L13/65 92/10 M2 GR	2130351
T-BM-F2060 L13/65 92/10 M2 EST	2194515
T-BM-F2060 L13/80 92/10 M2 MC	5046017
T-BM-F2060 L13/80 92/10 M2 EST	2941082
T-LA BMO-F2060 L13/60 92/10 M2 MC	4986470
T-BM-F2069 L13/65 92/10 M2 MC	5051573
T-BM-F2460 L03/35 92/8 M2 MC	5046018
T-BM-F2460 L03/35 92/10 M2 EST	2194929

1 blueMotion motorised multipoint locking system

Part description	Part-no.
T-BM-F2460 L03/40 92/8 M2 MC	5046019
T-BM-F2460 L03/40 92/10 M2 MC	2400083
T-BM-F2460 L03/45 92/8 M2 MC	5000479
T-BM-F2460 L03/45 92/10 M2 MC	5046030
T-BM-F2460 L03/45 94/8 KABA M2 MC	2971329
T-BM-F2460 L03/65 92/10 M2 MC	4990890
T-BM-U2293 L03/45 92/8 M2 GR	2228869
T-BM-U24185 L03/34 92/8 M2 MC	5026882
T-BM-U2460 L03/35 92/8 M2 MC	5046032
T-BM-U2460 L03/35 92/10 M2 MC	5046031
T-BM-U2460 L03/35 92/8 M2 GR	2130360
T-BM-U2460 L03/35 92/10 M2 EST	2195075
T-BM-U2460 L03/40 92/8 M2 MC	5046033
T-BM-U2460 L03/40 92/8 M2 GR	2342813
T-BM-U2460 L03/45 92/8 M2 MC	4990393
T-BM-U2460 L03/45 92/10 M2 MC	5046034
T-BM-U2460 L03/45 92/8 M2 GR	5006557
T-BM-U2460 L03/45 92/8 M2 EST	2930041
T-BM-U2460 L03/45 94/8 KABA M2 MC	5028572
T-BM-U2460 L03/50 92/8 M2 MC	2864101
T-BM-U2460 L03/50 92/8 M2 EST	2842199
T-BM-U2460 L03/55 92/8 M2 MC	5046035
T-BM-U2460 L03/60 92/8 M2 EST	2857243
T-BM-U2471 L03/35 92/10 M2 MC	5046036
T-BM-U2471 L03/35 92/10 M2 EST	2196799
T-BM-U2471 L03/45 92/8 M2 MC	4940872

1 blueMotion motorised multipoint locking system

Part description	Part-no.
EN 179	
T-BM-EN179-F1660 L36/45S 92/9 M2 MC	5045963
T-BM-EN179-F2060 L19/35S 92/9 M2 MC	5055868
T-BM-EN179-F2060 L19/65S 92/9 M2 MC	5045964
T-BM-EN179-F2069 L19/35S 92/9 M2 MC	5055869
T-BM-EN179-U2460 L36/35S 92/9 M2 MC	5045965
T-BM-EN179-U2460 L36/40S 92/9 M2 MC	5047897
T-BM-EN179-U2460 L36/45S 92/9 M2 MC	5047023
T-BM-EN179-U2460 L36/50S 92/9 M2 MC	5052536
T-BM-EN179-U2471 L36/35S 92/9 M2 MC	5045966
EN 1125	
T-BM-EN1125-F2060 L19/65S 92/9 M2 MC	5047043
T-BM-EN1125-U2460 L36/40S 92/9 M2 MC	5047898
T-BM-EN1125-U2460 L36/45S 92/9 M2 MC	5047899
T-BM-EN1125-U2460 L36/65S 92/9 M2 MC	5033451

2 Keep rail / extension keep set / single keeps

Keep rail / extension keep set / single keeps + magnetic bush separately. The magnetic bush has to be installed in the frame and gives a signal to the reedsensor in motor housing.

Notice: The magnetic bush has to be ordered separately. In keep rail / extension keep set a bore diameter of 13.5 mm is to be drilled (see figure 3.1-1).

Select the appropriate frame components (keep rail / extension keep set / single keeps) in the current program manual:

Program manual timber / PVC / ALU	4934767
Program overview keep timber	Chapter 2
Program overview keep PVCu / Vinyl	Chapter 2
Program overview keep aluminum	Chapter 2

Example: profile INOUTIC System Prestige → **T-Grt. SL U26-192 ...**
Please always do include the following specifications when placing your order: DIN-right-handed or left-handed

3 Center keep FRA ... AV ...

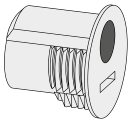
Center keep for latch and deadbolt, provided for retrofitting a T-TAGESFALLE "TAFA", of PVCu/Vinyl, aluminum and timber/composite entrance doors.

Select the respective keeps according to the profile systems in the current program manual (see program overview keep - Chapter 2).

4 Magnetic bush

Notice: The magnetic bush has to be ordered separately. If you are using stainless door furniture, use the "EST" magnetic bush. It is identified by a black magnet.

Magnetic bush UMV/H4

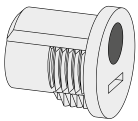


Magnetic bush (adjustable, color grey) to trigger motorised locking

- for timber entryway doors with on airgap of 4 mm
- for lower adjustments
- for UMV2 extension keep sets/UMV2 keep rails

T-MAGNETIC BUSH UMV/H4 KS RAL7045 TGR1	2126723
T-MAGNETIC BUSH F. EST-UMV/H4 KS RAL7045 TGR1	2174101

Magnetic bush MV



Magnetic bush (adjustable, color grey) to trigger motorised locking

- for upper adjustments
- for MV2 extension keep sets/MV2 keep rails

T-MAGNETIC BUSH MV KS RAL7045 TGR1	2126715
T-MAGNETIC BUSH F. EST-MV KS RAL7045 TGR1	2174047

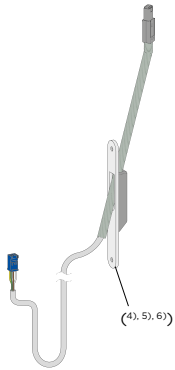
5 Cable transition

For power supply to consumers in the door sash, cable transitions (details in the following text) can be used.

CAUTION! The cable transitions must be installed in the safe area (e.g. installed concealed in the airgap) and protected against manipulation.

5.1 Cable transition sash part T-KÜ-T1 FT

5.1a Cable transition sash part T-KÜ-T1 FT 2M/3,5 M

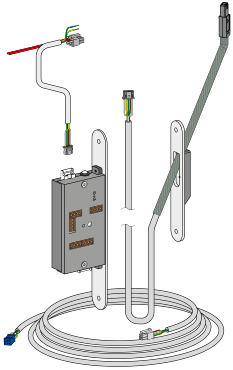


Plug-in and concealed in cable transition

- inserted by plug-in function with retaining screws (3 x 20 mm)
- Sash part with spring sleeve in different versions (see table)
- order frame part separately (see 5.2)
- installed concealed in the airgap
- electric interface between sash and frame with 6 wires (max. 48 V DC/2 A each wire)
- color silver/grey
- no routing for > 11 mm airgap needed, suitable for PVCu and aluminium entrance doors (depends on the system), with appropriate routing it is suitable for timber doors

Recommendation: It is recommended that the cover plate (depends on the faceplate and the material type of timber, PVCu/plastic or aluminum) conceals the routing for the required cable reserves to prevent possible cable damage.

5.1b Cable transition set T-SET KÜ-T1 FT INTEG-BM



- see description 5.1a
- Cable transition set T-SET KÜ-T1 FT INTEG-BM including external control in housing EV-G and cable sash side 1.5 m, cable ends with 5-pole plug for housing EV-G + connecting cable EV-G motor 3.5 m (1st Cable end with plug for housing EV-G, 2nd Cable end with plug for motor housing BM) + connecting cable EV-G INTEGRA 0.6 M
- order frame part separately (see 5.2)

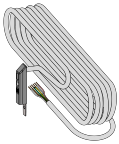
T-KÜ-T1 FT 2 M [1] sash part	5040501
T-KÜ-T1 FT 3,5 M [2] sash part	5040505
T-SET KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST [3] sash part	5040512
T-COVER PLATE KÜ-T1 FT F16 R8 MC (for sash) [4]	4990670
T-COVER PLATE KÜ-T1 FT F20 R10 MC (for sash) [5]	4990671
T-LF COVER PLATE KÜ-T1 FT F24 KANT MC (for sash) [6]	5018556
T-LF COVER PLATE KÜ-T1 RT F24 X 350 MC (for frame) [7]	5028782

1) for use with BM, sash part 2 m cable + plug for motor housing
2) for use with BM, sash part 3.5 m cable + plug for motor housing
3) for use with BM and fingerprint ekey home integra, IDENCOM BioKey INSIDE as well as with other sash-side access control systems, sash part 1.5 m cable, end of the cable with 5-pole plug to connect EV-G housing
4) Cover plate for sash, flat faceplate 16 mm, round ends R8, length 126 mm, suitable for PVCu (timber if necessary)
5) Cover plate for sash, flat faceplate 20 mm, round ends R10, length 130 mm, suitable for timber (PVCu if necessary)

6) Cover plate for sash, flat faceplate 24 mm, square, length 134 mm, suitable for ALU (PVCu if necessary)
7) Cover plate for frame, flat faceplate 24 mm, angulate, square, length 350 mm, suitable for ALU (with fitting groove 24 mm), suitable for example for heroal D92 UD

5.2 Cable transition frame part for T-KÜ-T1

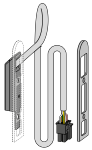
5.2a Cable transition frame part for external power supply



Frame part with 4 m cable and cable end sleeves (6 wires)

T-KÜ-T1 RT KABEL 4M	5040503

5.2b Cable transition frame part for frame power supply



Frame part with 0.6 m cable and plug for frame power supply inclusive cover strip STV-KÜ-T1 RT R8, to cover the profile hole on the frame side

T-KÜ-T1 RT KABEL 0,6M RNT	5040504

5.3 Cable transition T-HT KÜ M1188

Cable transition for fitting by cutting, to be suited for timber entryway doors
- extremely rugged design
- of chromium-plated steel
- concealed in the rebate

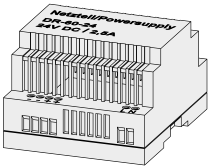
Notice: Cable continuous, not separable.

T-HT KÜ M1188	2126942

Notice: If no separable cable transition (e.g. T-HT KÜ M1188) or no Winkhaus cable transition is used, then the cable "T-HT CONNECTION CABLE 6 M FOR MOTOR" for motor housing (2522881) must be used.

6 Power supply

6a External power supply



Power supply unit for blueMotion 100 - 240 V, 50/60 Hz, 24 V DC/2,5 A, to be installed on a top hat mounting rail, includes connection diagram

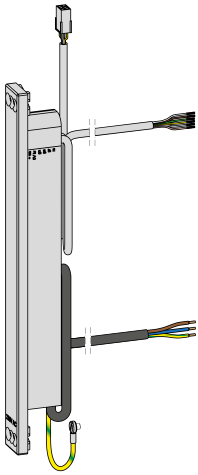
T-HT POWER SUPPLY 24 V DC/2,5 A	2126934

Notice: The Winkhaus power supply 24 V DC is designed for the operation with Winkhaus locks. In addition, small consumers (e.g. fingerprint in the door element) can be supplied with this power supply - up to on additional power requirement of max. 0.5 A and the voltage requirement must match the power supply (24 V DC).

Notice: Operation of a second blueMotion with the same power supply is not possible. A separate power supply must be used for each lock.
If you do not use the Winkhaus power supply unit, please keep in mind the following information:

- Power supply 24 V DC (stabilized)
- min. 1,5 A continuous current (min. 2 A peak current)
- min. 36 W

6b Frame power supply (optional)



The Winkhaus frame power supply is a switching power supply (single-phase, primary pulsed installation current supply, high pulse load capacity, short-circuit proof, open-circuit proof, high efficiency, thermal overload protection). The power supply is suitable for mounting in the frame, on the construction site only the principal voltage (230 V AC) has to be made.

- 4 m cable for connection 230 V AC with cable end sleeves
- 0.4 m cable with eyelet (M4) for earthing the door profile
- 0.2 m cable with plug for connection with cable transition frame part T-KÜ-T1 RT KABEL 0,6M RNT
- 4 m cable (6-wire) for external signal (potential-free contact - switching time min. 0.5 seconds) from external access control systems including voltage supply (output)

T-FRAME POWER SUPPLY 24 V DC 1 A (2 A/2 S)	5038589

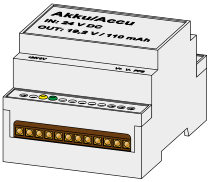
CAUTION! Cable for external signal at frame power supply is current (24 V DC), do not connect external voltage!
Insulated in delivery state, always INSULATE in the event of a reduction (e.g. adaptation to the installation situation).

DANGER! The door profile must be grounded properly (secure the eyelet for earthing securely to the metal profile).
Use cable grommet at 230 V cable (2 x included)!
No external voltage on output for external signals.

CAUTION! For the combination of the blueMotion BM + access control system, the Winkhaus power supply T-HT POWER SUPPLY 24 V DC/2,5 A must not be overloaded with more than 2.5 A! With the combination with frame power supply T-FRAME POWER SUPPLY 24 V DC the power supply should be charged max. permanently with 1 A and max. 2 A will be charged for 2 s!

CAUTION! The use of T-FRAME POWER SUPPLY 24 V DC with blueMotion is only possible with T-SET KÜ-T1 FT INTEG-BM (5040512/housing EV-G) and only without battery!

7 Battery



Rechargeable battery for top hat rail mounting to avoid system failure in the event of a power outage

T-HT BATTERY WITH CHARGING CONNECTION	2121455

Notice: Secures defined state of system in the event of a power outage (it is not on alternative means of power supply for continuous operation).
It is mandatory to replace the battery approx. every 3 years or 1.000 charging cycles to ensure trouble free operation.

CAUTION! The antipanic version panicLock blueMotion EN 179/1125, must always be mounted with a battery for system zeroing.

8 Access control systems

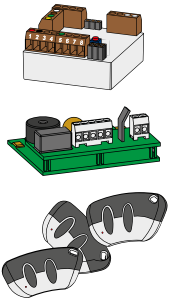
From the outside the door is opened via the access control system (transponder, wireless remote control or a non Winkhaus access control system).

Control + Transponder set

- 1 external control unit (for switch box)
  - mounting of the external control unit on the inside
- 1 antenna housing for exposed installation (90 x 90 x 13 mm, color white), cable of 2.5 m fixed at the antenna
  - mounting of the transponder antenna on the outside
- 1 sticker for antenna, weatherproof, resistant to UV light
- 3 transponder chips (key fob, color blue, are unprogrammed)
- 2 progamming cards transponder (programming card = green; delete-all card = red)

T-CONTROL + TRANSPONDER SET T01	2126969

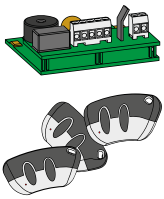
Control + Wireless remote control set



- 1 external control unit (for switch box)
  - mounting of the external control unit on the inside
- 1 wireless receiver (to be inserted in the switch box)
  - mounting of the remote control receiver on the inside
- 3 remote controls (programmed, color dark grey / grey)
- programming instructions + connection diagram

T-CONTROL + WIRELESS REMOTE CONTROL SET F02	2126977

Wireless remote control set



- 1 wireless receiver (to be inserted in the switch box)
  - mounting of the remote control receiver on the inside
- 3 remote controls (programmed, color dark grey/grey)
- programming instructions + connection diagram

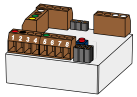
T-HT WIRELESS REMOTE CONTROL F02 ANTHR. SET 3 + 1	2410273

9 External control unit in the housing EV-G F24 R12

External control unit in the housing for plug-in wiring for sash-side access control systems (e.g. Fingerprint ekey, Idencom, Sommer, ...) in the door sash

- Housing for mounting the external control in the sash
- with integrated switch for "Day/Night service"
- invisible from the outside (housing installed in fitting groove)
- included in the article T-SET KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST "5040512"

10 Control for non Winkhaus access control systems



External control unit (for switch box) for customer-specific ACS

- mounting of the external control unit on the inside

T-CONTROL FOR NON WINKHAUS ACCESS CONTROL SYSTEMS	2194689

Notice: If a non-Winkhaus access control system is used, the signal will have to be transmitted as a potential free contact (prepare a potential free contact).

Connection cable 6 m for motor

Cable 6 m (5 x 0.25 mm²),
1st cable end with plug for motor housing.
2nd cable end with wire end sleeve.

Use for motor blueMotion as alternative too cable transition sash part T-KÜ-T1 FT 2 M or T-KÜ-T1 FT 3,5 M, e.g. with cable transition T-HT KÜ M1188.

T-HT CONNECTION CABLE 6 M FOR MOTOR	**2522881**

3 Installation

3.1 Routing details

Routing for a standard triple-point lock are required to install the blueMotion motorised multipoint locking system. In addition, routings for the motor housing are required as indicated in the following diagrams.

Notice: The magnetic bush has to be ordered separately.
In keep rail/extension keep set a bore diameter of 13.5 mm is to be drilled (see figure 3.1-1).

Notice: They are profile cylinder in accordance with EN 1303 (Corrosion Resistance Class 3) generally with cam position ± 30°, in each case with smooth-running "free to turn" function, the use of a FZG cylinder is recommended.

CAUTION! Exceptions are panicLock blueMotion EN 179/1125. Only panic free to turn cylinders with FZG anti-barricade function and cam position max. ± 30 ° can be used!

DANGER! With panicLock blueMotion (BM) a rechargeable battery with charging connection (item no. 2121455) is to be installed!

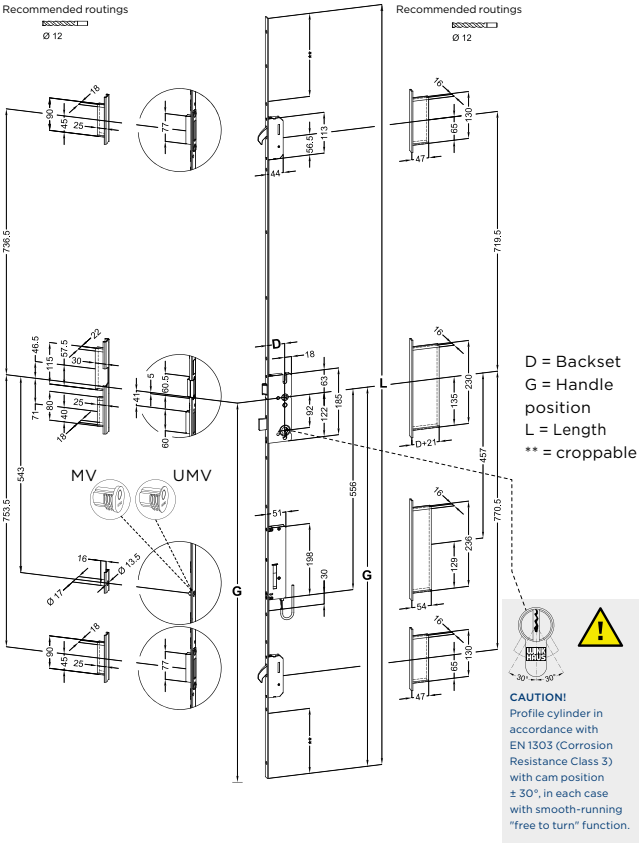


Figure 3.1-1: Dimensions for multipoint locking blueMotion

3.2 Magnetic bush

By means of the magnetic bush and sensor in the motor housing, the door status is checked (open/closed) and the motorised locking of the door is initiated. Installation and adjustments is to be down as shown in figure 3.1-1, 3.2-1 (ff.).

Notice: The magnetic bush must be procured individually and be installed manually.
Notice: Mounting the magnetic bush so that the round magnet points upwards.

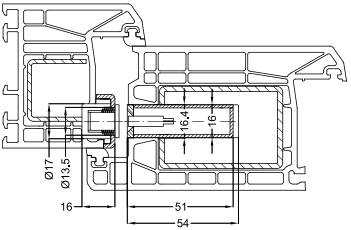


Figure 3.2-1: Situation Magnetic bush/motor housing of PVC profile

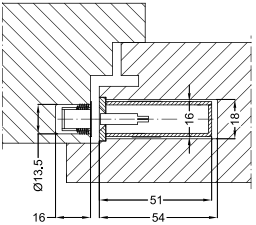


Figure 3.2-2: Situation Magnetic bush/motor housing of timber profile

Notice: The remaining airgap between the lock and the magnetic bush has to amount to 4 ± 2 mm.
If you are using stainless door furniture, use the "EST" magnetic bush. It is identified by a black magnet.

You can adjust the magnet with a screw-driver by ± 3 mm on two planes: After installing the door you will have to adjust the magnet in such a way as to ensure that the sensor reliably triggers once the latch snaps into place.

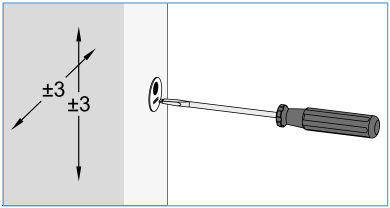


Figure 3.2-2: Magnetic bush adjustments

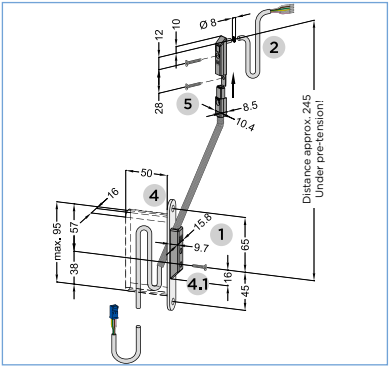
Notice: After the sensor has triggered, 1 second will pass by until the power locking mechanism starts.

3.3 Cable transition

3.3.1 Cable transition T-KÜ-T1 FT (sash- + frame part)

Recommendation: It is recommended always that the cover plate 4 (depends on the faceplate and the material type of timber, PVCu/plastic or aluminum) conceals the routing for the required cable reserves to prevent possible cable damage.
Recommendation: For hollow chamber/cable reserve in timber front doors, mill out pocket of approx. 50 mm x 95 mm.

Installation sequence



1. Sash part
2. Frame part 1
3. Frame part 2
3.1. T-Cover strip KÜ-T1 RT R8
4. Cover plate (F16 = L 126 mm R8; F20 = L 130 mm R10; F24 = L 134 mm square)
4.1. Screw M3 x 12 (includet in delivery from cover plate)
5. Fitting screw (includet in delivery from cable transition sash part T-KÜ-T1 FT)

Figure 3.3.1-1: T-KÜ-T1 FT with cover plate and frame part 1

Frame part 1 **2** (Figure 1):
- Drill a hole with a Ø 8 mm for cable through the door frame
- Pass the cable through the door frame (including cable reserves in frame!)
- Fasten the frame part 1 **2** with the fitting screw **5** Ø 3 x 20 mm

Frame part 2 **3** (Figure 2):
- Drill a hole with a Ø 13 mm for cable/plug through the door frame
- Pass the cable with plug for frame power supply through the door frame (including cable reserves in frame!) use T-Cover strip KÜ-T1 RT R8 einsetzen
- Fasten the frame part 2 **3** with the fitting screw **5** Ø 3 x 20 mm

Sash part **1** with cover plate **4** (Figure 1):
- Mill slotted hole max. 95 mm and approx. 50 mm deep

Sash part **1** without cover plate (Figure 3):
- Drill a hole 2 x Ø 13 mm resp. oblong hole through the euro grove (approx. 245 mm vertical under the frame part drill hole of Ø 8 mm, depends on the profile/hinge rotation point) and for screw **5** pre-drill (Ø 2,5 mm)

CAUTION! The drillings must be burr-free. The spring must be kept under a slight pre-tension even with the door being closed (approx. 10 mm).

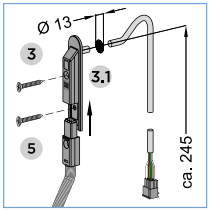


Figure 3.3.1-2: Detail frame part 2

- Attach necessary drillings (Ø 13 mm) in the sash (e.g. in the glazing chamber)
- Pass the cable with the plug for the motor through the door sash
- Insert the end of the spring into the sash part 1 into the drilling/routing into the door sash/cover plate are.
- And/or alternatively to the cover plate 4 with screw M3 x 12 mm **4,1** fasten the sash part 1 with fitting screw Ø 3 x 20 mm in the fitting groove.
- Install the cable for example within the glazing chamber towards the motor housing; install the rest of the cable for example within the hollow section.

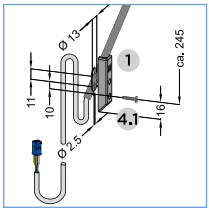


Figure 3.3.1-3: Detail T-KÜ-T1 FT without cover plate

CAUTION! Provide cable reserve of about 3 - 5 cm for the spring tension behind the sash part 1 of the cable transition!

- Complete the plug-in connection after putting the door on its hinges
- Fix the sash part 1 with the fitting screw 5 Ø 3 x 20 mm (Figure 1)

CAUTION! Release the second retaining screw 5 (e.g. during the installation of the door frame into the reveal) when unhinge the door sash!
Insulate the wires not used!

Wire	Cable assignment when used with blueMotion	neces-sary
1 white	+ 24 V DC	yes
2 brown	0 V (ground)	yes
3 green	data bus RS 232	yes
4 yellow	data bus RS 232	yes
5 grey	Free, **CAUTION!** Motor housing is connected to ground (brown)! Insulate unused wires!	no
6 pink	Free, **CAUTION!** Motor housing is connected to + 24 V (white)! Insulate unused wires!	no

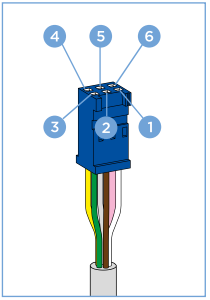


Figure 3.3.1-4: Cable assignment when used with blueMotion

Cover plate for T-KÜ-T1 FT

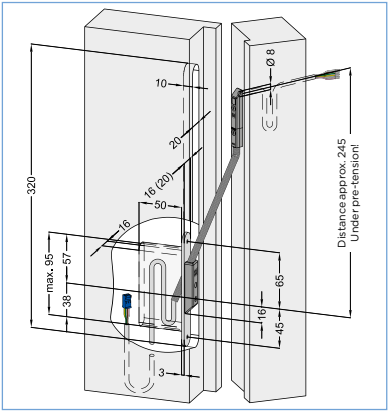


Figure 3.3.1-5: Routing dimensions for T-KÜ-T1 FT + RT and cover plate F16/F20 in timber

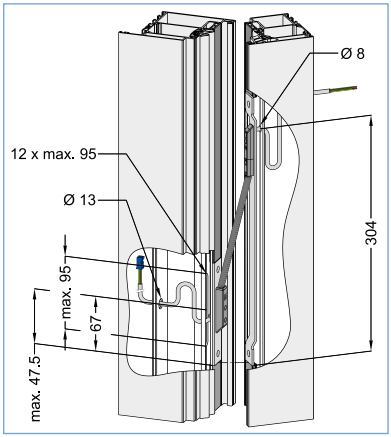


Figure 3.3.1-6: Routing dimensions for T-KÜ-T1 FT + RT and cover plate F24 in aluminum

3.3.2 Cable transition T-HT KÜ M1188

Installation sequence

- Cut on oblong hole in the door frame according to specifications (refer to figures 3.3.2-3/3.3.2-4)
- Run the cable through the door frame

CAUTION! Leave some spare cable (loop) directly behind the cable transition to allow for the spring to expand!

- insert and screw cable transition (with cable transition fitting piece and radius shimming plate)

Notice: The cable transition fitting piece simplifies installation in timber doors. It saves plodding with the chisel.

Notice: This cable transition is qualified for doors with 18 mm fixed pivotal point and 180° opening. Do not bend the cable transition and do not undershoot the bending radius of Ø 25 mm.

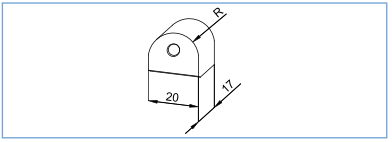


Figure 3.3.2-1: Cable transition fitting piece

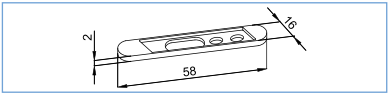


Figure 3.3.2-2: Radius shimming plate

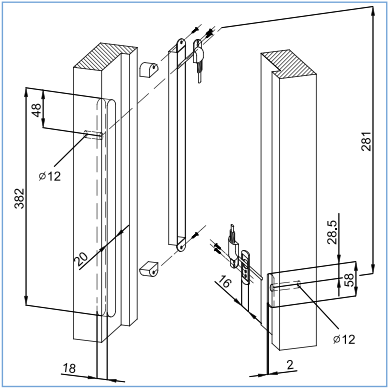


Figure 3.3.2-3: Fitting in timber

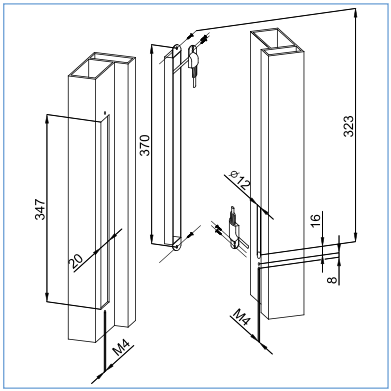


Figure 3.3.2-4:
Fitting in
PVC/aluminium

3.4 Installations

DANGER! The installation of electrical equipment requires expertise, thus such work should only be carried out by on electrician. Generally assemble and install always only with the power off!
DANGER! IMPORTANT ADVICE!
Um Blockierungen der Verriegelung zu vermeiden, darf kein Schlüssel oder Schlüsselbund im Schließzylinder stecken!

CAUTION! First the door has to close easily, then you can test electrical performance!

By impressing the working voltage (start of operation) 4 signals are audible and the motor operates a reference run. Depending on the door-condition (open/closed) the unlocking or locking happens afterwards.

Installing the external control unit

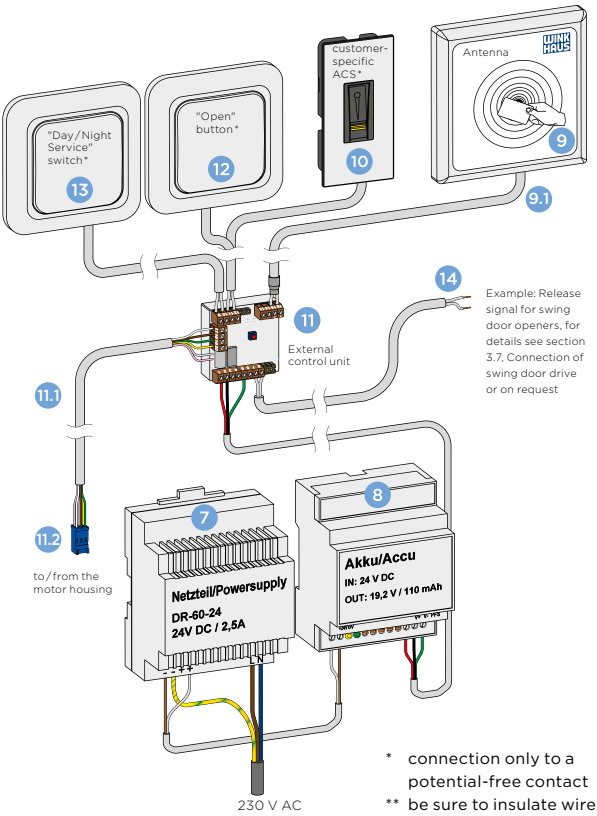


Figure 3.4-1: Overview installing the external control unit

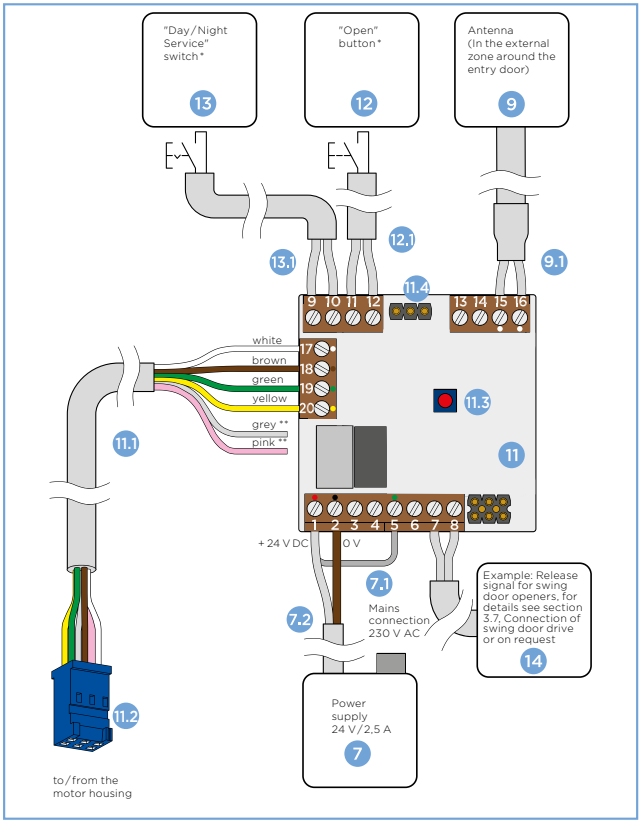


Figure 3.4-2: Installing the external control unit with power supply

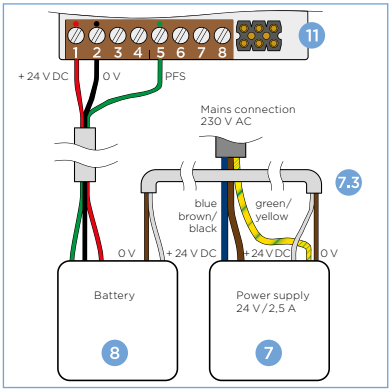


Figure 3.4-3: Installing the external control unit with battery and power supply

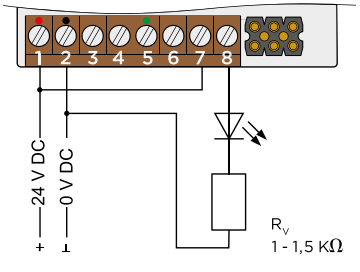
No.	Terminals external control unit
1	input + 24 V DC
2	input 0 V
3 - 4	not assigned
5	input emergency power control
6	"NC" 6 + 7 open signal
7	"C" (COM)
8	"NO" 7 + 8 locking signal
9 - 10	"Day / Night Service" switch, contact open = night service
11 - 12	"Open" button (make contact) and connection of potential-free contact, e.g. for wireless receiver (pulse signal approx. 0.5 seconds) and costumer-specific access control systems
13 - 14	not assigned
15 - 16	antenna connection
17 - 20	Motor housing output: 17 = + 24 V DC (white); 18 = GND (brown); 19 = RX (green); 20 = TX (yellow)

No.	Name	MUST! Mandatory *	Available as on accessory or as on option	Supplied by customer/ not included in delivery
7	Power supply unit		X	
7.1	Input emergency power control **Notice!** Without battery, connect to + 24 V!			
7.2	** Cable (min. 4 x 0,8 mm², max. 50 m Length) power supply	X		X
7.3	** Cable (min. 4 x 0,8 mm², max. 1 m Length) emergency power supply	X		X
8	Battery, T-HT AKKU MIT LADESCHALTUNG		X	
9	Antenna (mounting on the outside)		X	
9.1	Antenna cable, custom-manufactured, 2,5 m fixed to antenna, cable ends with wire end sleeve **Notice!** You may shorten the cable but not extend it! (longer cable, no warranty for function)			
10	Customer-specific ACS			X
11	External control unit	X	X	
11.1	** Sash cable of the cable transition "T-KÜ-T1 FT ..." or "T-Connection cable 6 m ..." from the motor housing to the external control unit, cable ends with wire end sleeve or plug for the motor housing **Notice!** Do not extend the cable! Grey and pink wire must be insulated! (longer cable, no warranty for function)			
11.2	Plug for motor housing			
11.3	Reset button of the error counter			
11.4	Plug RS / LS optional for use as reset button of the error counter (parallel to 11.3)			

No.	Name	MUST! Mandatory *	Available as an accessory or as an option	Supplied by customer/ not included in delivery
12	"Open" button, connection of potential-free contact, e.g. for customer-specific access control system			X
12.1	**Cable (e.g. 2 x 0,8 mm², max. 100 m Length)			X
13	"Day / Night Service" switch (contact closed = day service)			X
13.1	**Cable (e.g. 2 x 0,8 mm², max. 100 m Length)			X
14	Example: Release signal for swing door openers, for details see section 3.7 Connection of swing door drive or on request			X

**no necessary screened cable

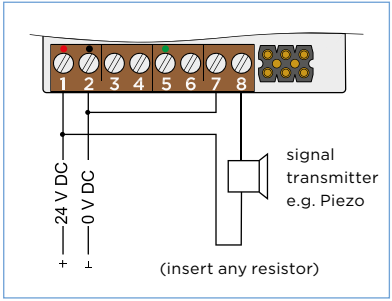
Installation of the external control unit with LED display released/open/accessible



The LED indicates that the door is open, until it is closed again.
The circuit is made via the output swing door drive (Terminals 6 - 8).

Figure 3.4-4: Installation external control unit with LED

Installation of external control unit with acoustic signal indicating free/open/accessible



The buzzer indicates that the door is open, until it is closed again.
The circuit is made via the output swing door drive (Terminals 6 - 8).

Figure 3.4-5: Installation external control unit with acoustic signal

CAUTION! Please note that the relay output with max. 30 W at 30 V max. 1 A may be charged.
This is not on output for the alarm system, because the mechanical locking modus is not monitored, this must be done by a deadbolt switch contact (RSK)!

Installation sequence

- Prior to installing the blueMotion unit, connect the sash cable of the cable transition "T-KÜ-T1 FT ..." or "T-Connection cable 6 m ..." to the motor housing.
- Run the cable to the switch boxes.

Notice: These switch boxes should be mounted on the interior, in close proximity to the entryway door!

- The external control unit should preferably be housed in a 65 mm deep switch box.
- In the very same switch box, you can install the button to unlock the door from the inside.

Notice: If the external control unit and buttons are placed in the switch box at the same time, they must have a depth of 65 mm!

- In another switch box you can mount the changeover switch for day/night service (on customer request).
- If you have chosen to use the Winkhaus wireless receiver can this install it in the same switch box (see installing the wireless receiver).

Notice: If day/night service switch and wireless receiver are accommodated in the switch box at the same time, they must have a depth of 65 mm!
If several opening options are used at the same time, they must be switched parallel to the "Open" button (e.g. button from inside, wireless remote and intercom).

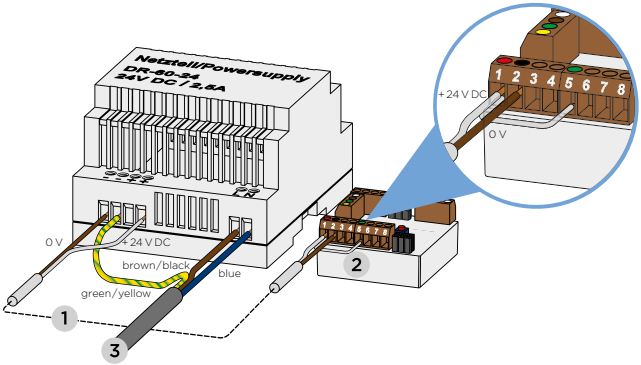
CAUTION! When connecting on intercom system, make sure that the intercom system output is designed as a potential-free contact! No voltage liable to cause interference must reach the external control unit from the intercom!
The cable length between the buttons and the control unit may at the most amount to 100 m (2 x 0,8 mm^2).

- Before the door is operated electrically, first test mechanically for ease of movement!

Notice: The motorised multipoint locking system has on error counter (see chapter 6) for the motorical locking/unlocking mechanism. This counts warning and error messages, e.g. sluggishness: 10 x in a row, after that electrically locked (mechanical operated). Thus, you should make sure the door opens/closes smoothly from a mechanical standpoint, befor you use the emergency actuator to test it for easy operation.

After eliminating the error cause the electrically locking can be reset. To do this, please press the reset button of the error counter on the external control for at least 6 seconds. Then a acoustic signal confirmes this process (1 s) and the error counter will be deleted!

Installing the power supply unit (stabilized) - external control unit



1. Cable supplied by customer (min. 0,8 mm², e.g. JY(ST)Y 2 x 2 x 0,8, max. 50 m Length)
2. Without using a battery, set up a connection from the input emergency power monitoring to "+ 24 V DC"!
3. Mains connection supplied by the costumer 230 V AC, 50 Hz

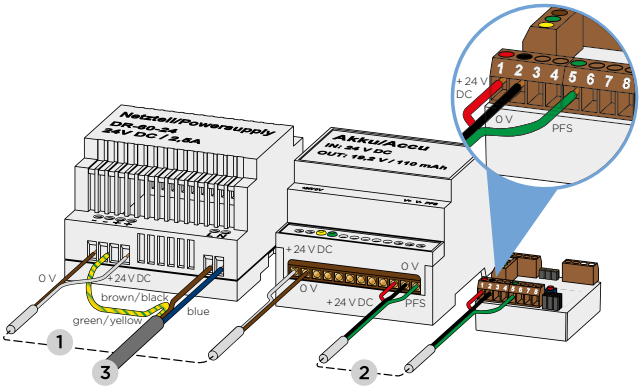
Figure 3.4-4: Installing the power supply unit (stabilized) - external control unit

CAUTION! Use only the provided cable clamps for wiring! Remove not the existing labels and do not adjust voltage adjustment! An adjustment of the output voltage is not allowed because the system is set for a voltage of 24 V DC maximum.

Notice: If you are planning to use non Winkhaus power supply units please take note of the following information:

- 24 V DC power supply (stabilized)
- min. 1,5 A continuous current (min. 2 A peak current)
- min. 36 W

Installation Power supply (stabilisiert) - Battery - External control unit



1. Cable supplied by customer (min. 0,8 mm², e.g. JY(ST)Y 2 x 2 x 0,8, max. 1 m Length)
2. Cable supplied by customer (min. 0,8 mm², e.g. JY(ST)Y 2 x 2 x 0,8, max. 50 m Length)
3. Mains connection supplied by the costumer 230 V AC, 50 Hz

Figure 3.4-5: Installing the battery - power supply unit - external control unit

LED-Signal Battery (green)	LED-Signal Battery (yellow)	Status
on	on	mains-operation
off	on	battery-operation
off	off	no power supply / power outage

Notice: It is imperative replacing the battery approx. every 3 years or 1.000 charging cycles / power outage to ensure reliable, troublefree operation.

CAUTION! The following must be observed for use of interruption-free power supply (UPS):
- The UPS must deliver following exit: 24 V DC, stabilizes, 1,5 A
- When using a UPS, it is strongly recommended to use the battery pack.
- The above-mentioned output is clamped to the input of the battery pack like the standard power supply.
- With the tension supply of the UPS, the manufacturer statements (wire cross section, cutout, et cetera) are to observed!

3.5 Access control system transponder set

DANGER! Generally assemble and install always only with the power off!

Prerequisites for installation
- The processing of the transponder signal is an integral part of the external control unit.
- The external control unit should preferably be housed in a 65 mm deep switch box (on the inside) (see Installing the external control unit).

Notice: If the external control unit and buttons are placed in the switch box at the same time, they must have a depth of 65 mm!

- If no switch or button is used beside the door, will have to provide a switch box with a filler panel for the control unit.

DANGER! For safety reasons, you are not permitted to install it in a switch box with a 230 V AC switch or socket outlet.

- The transponder antenna is located in a box in exposed installation and is to be installed at the outside of the door.
- Do not install the antenna directly on metal as its range could be decreased drastically.
- Do not install any other antenna within a radius of 1 m!

Notice: If plan to installations on a metal substructure, will have to use a timber board and spacer bolts, if applicable, or large bore holes to ensure the proper function of the antenna! To test the scanning performance, may have to tentatively install it onsite, if applicable.

- Connect the cable of the antenna (fixed in the antenna) to the external control (terminals 15 + 16).
- We recommend: Run a reserve pipe from the antenna to the external control unit.

3.6 Access control system wireless remote control

Prerequisites for installation

- Proper positioning of the wireless receiver is of utmost importance to ensure its reliable performance.
- Do not install it at or nearby sources of possible interference (e.g. EDP/high-performance power distributor).
- We recommend installing the receiver on the protected inside of the door to prevent manipulations to the receiver!

3.6.1 Wireless remote control set

Installation sequence

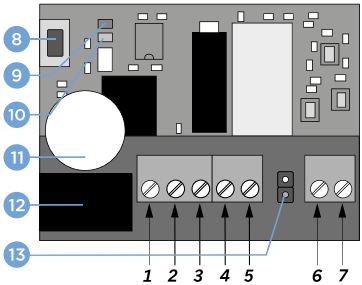
- The wireless receiver should preferably be installed in a 65 mm deep switch box on the inside.

Notice: If use the switch box of the "day / night service" switch, the box will have to be 65 mm deep!

- Unless use a switch or button beside the door, will have to provide a switch box with a filler panel for the wireless receiver and the external control unit.

Notice: For safety reasons, you are not permitted to install it in a switch box with a 230 V AC switch or socket outlet.

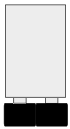
- Connect the terminals 2 - 5 of the wireless receiver with the external control unit as described in the following table:



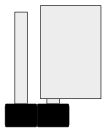
No.	Name
8	P1 button
9	green LED
10	red LED
11	buzzer
12	relay
13	jumper 12 V / 24 V

Figure 3.6.1-1: Installing the wireless receiver

No.	Terminals wireless receiver
1	"Break contact (NC)", is not necessary
2	"Contact (C)", from the wireless receiver to the "Open" button of the external control unit (terminal 11)
3	"Make contact (NO)", from the wireless receiver to the "Open" button of the external control unit (terminal 12)
4	"12 V DC resp. 24 V DC", power supply, e.g. from Winkhaus power supply unit (connect with white wire of the cable transition)
5	"0 V DC", power supply, e.g. from Winkhaus power supply unit (connect with brown wire of the cable transition)
6	"Auxiliary antenna / ANT" (not required)
7	"Auxiliary antenna / GND" (not required)



12 V



CAUTION! blueMotion must be operated with 24 V DC.

24 V = Delivery Status

Figure 3.6.1-2: Adjustment of the jumper for voltage selection

- The default setting of the jumper is 24 V.
- The wireless receiver can be adjusted from 24 V to 12 V via the jumper.

Notice: Check the proper position of the jumper before starting operation!

3.6.2 Wireless receiver (separate)

Separate wireless receiver for additional applications, such as garage door control units.

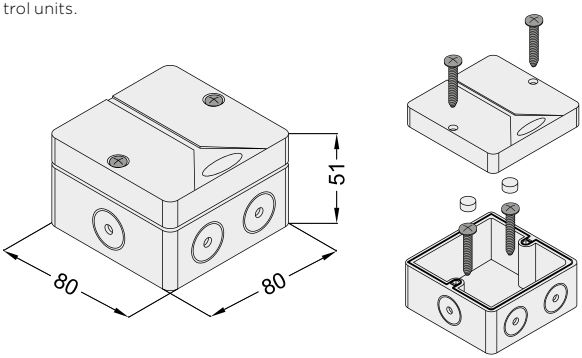


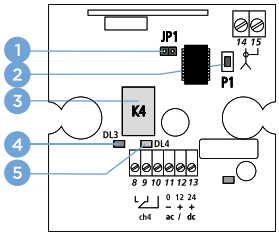
Figure 3.6.2-1: Installing the wireless receiver

Installation sequence

- Remove the housing cover.
- Fasten the housing with screws.
- Push in the rubber plug (see figure 3.6.2-1).
- Insert the circuit board of the receiver according to figure 3.6.2-2 and connect it to the control of the other application (e.g. garage door control).

Notice: Pay attention to the relevant installation instructions for additional use!

- Put the cover back on the housing and lock and screw it down.



No.	Name
1	jumper JP1
2	P1 button
3	K4 relay
4	red LED
5	green LED

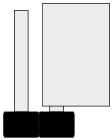
Figure 3.6.2-2: Installing the circuit board of the receiver

No.	Terminals circuit board of the receiver
8, 9	NO relay K4 - non-operated contact is open, it closes by activating per remote control
9, 10	NC relay K4 - non-operated contact is closed, it opens by activating per remote control
11, 12	"12 V AC/DC"
11, 13	"24 V AC/DC"
14	Antenna
15	Screen

- You can set the K4 relay as ON/OFF or as an impulse via the JP1 jumper (see figure 3.6.2-3). The setting dependens on the control unit which is to be triggered by the receiver.

JP1 = ON
K4 ON/OFF

- Relay remains active after being activated per remote control.
- Deactivation by actuating the remote control once more.



JP1 = OFF
K4 Impuls

- Relay becomes briefly active after being activated per remote control and after about 1 sec. it will be deactivated automatically.

Figure 3.6.2-3: Setting the K4 relay

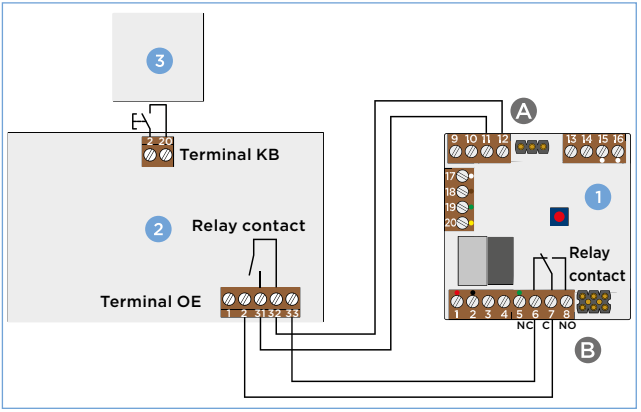
3.7 Connection of swing door drive

The application of the blueMotion lock is generally suitable for swing door drives.

Notice: When using the transponder set blueMotion "T-CONTROL + TRANSPONDER SET T01" no direct control of swing door drive is possible. Therefor the transponder set blueMatic EAV (see Figure 3.7-2) must be used.

The lock was specifically tested with swing door drives:
- GEZE TSA 160,
- GEZE Slimdrive EMD
- DORMA ED 200 (control B)
- DORMA CD 80

Wiring plans available on request from Winkhaus and the swing door drive manufacturers.

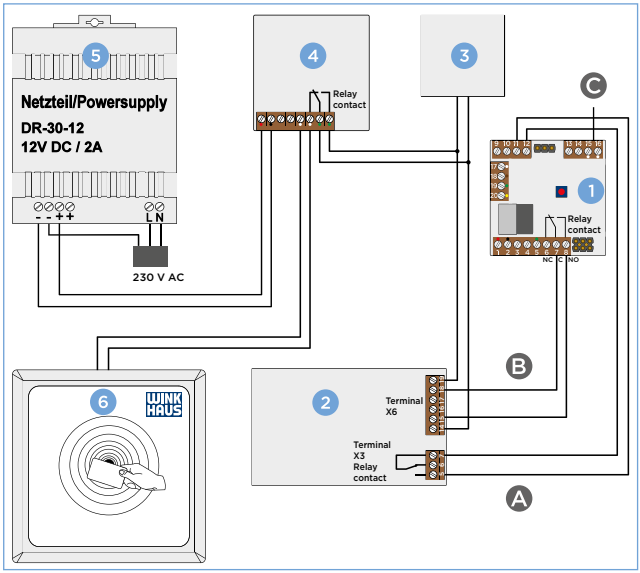


1. External control unit blueMotion
2. Swing door opener (GEZE TSA 160, Slimdrive EMD)
3. Opening impulse: button, ACS, motion detector etc. (potential free contact)

A The opening impulse is transmitted by the swing door opener directly to the blueMotion via potential-free contact.

B Decontrol signal from blue motion to the GEZE swing door opener via a potential free contact as soon as or as long as the swing door opener must swing the sash.

Figure 3.7-1: Wiring plan blueMotion with swing door opener GEZE TSA 160 and EMD



1. External control unit blueMotion
2. Swing door opener (z. B. DORMA CD80)
3. Opening impulse: button, ACS, motion detector etc. (potential free contact)
4. Transponder reader EAV
5. T-HT POWER SUPPLY 12 V DC/2 A
6. Antenna EAV/blueMotion

Figure 3.7-2: Wiring plan blueMotion with swing door opener and transponder set

A The opening impulse is transmitted by the swing door opener directly to the blueMotion via potential-free contact.

B Decontrol signal from blue motion to the DORMA swing door opener via a potential free contact as soon as or as long as the swing door opener must swing the sash.

C Do not connect a transponder antenna here.

For blueMotion + swing door drive and transponders the following parts are be used:

- T-CONTROL FOR NON WINKHAUS ACS (2194689)
- T-HT TRANSPONDER SET T02 EAV BL (2410265)
- T-HT POWER SUPPLY 12 V DC/2 A for Transponder (2469777)
- T-HT POWER SUPPLY 24 V DC/2,5 A for blueMotion (2126934)

Notice:
With application of a swing door opener, attention to installation points:

- Please read manufacturers instructions for connection the swing door opener.
- Cable length and wire cross section of signal input and output cable dependse on instructions of swing door opener manufacturers.
- The opening impulse of the entry control system goes directly to the swing door opener and then to the external control, per potential-free contact.
- The decontrol signal of the blueMotion to swing door opener takes place over a potential-free contact (clamps 6 to 8 of the external control unit).
- The signal is made as soon as a manual or electronic control of the lock takes place. The signal continues until the swing door opener return to the close position.

3.8 Non Winkhaus access control system (ACS)

3.8.1 Non Winkhaus access control system ACS general (frame- and sash side)

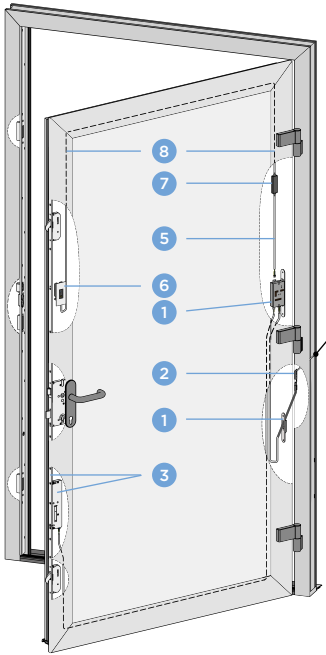
If the blueMotion multipoint lock is used for others, as the aforementioned systems (such as transponder set, remote control), note the following points:

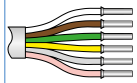
- We recommend the Winkhaus power supply T-HT NETZTEIL 24 V DC/2,5 A (Art.-No. 2126934) or the frame power supply T-NETZTEIL RAHMEN 24 V DC 1 A (2 A/2 S) (Art.-No. 5038589) to use.
- For details on the voltage supply see also chapter 2, power supply 6.
- Ensure that the decontrol signal takes place over a potential-free contact when using non-Winkhaus access control systems.
- If required use a coupling relay for realizing this.

3.8.2 Non Winkhaus access control system ACS fingerprint (sash side)

Prerequisites for installation

- The applied access control system have to be installed into the door sash.
- With the specified cable transition set "T-SET KÜ-T1 FT INTEG-BM 3.5 + 1.5 M EST", it is possible to set additional access controls and opening signals (potential-free signal: e.g. "Open" button, intercom , ...).





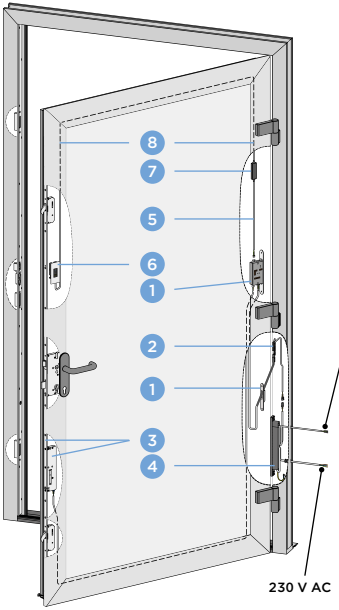
green / yellow = input for external potential-free contact (e.g. unlocking via intercom / "open" button)

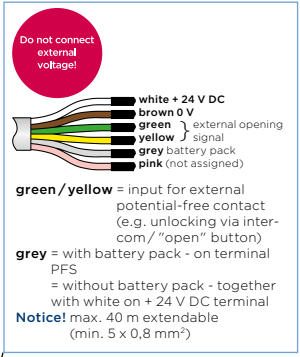
grey = with battery pack - on terminal PFS
= without battery pack - together with white on + 24 V DC terminal

Notice! max. 40 m extendable (min. 5 x 0,8 mm²)

Description
1 Set of cable transition T-SET KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST including housing EV-G + cover plate (depends on the faceplate / material type), plug-in (Art.-No. 5040512)
2 Cable transition frame part T-KÜ-T1 RT Cable 4M, for external power supply "top hat mounting rail" (Art.-No. 5040503)
3 T-BM ... including motor housing, Art.-No. on request
5 - 8 ekey article in PACKAGE 101940
5 ekey WH Adapter micro WH BM+EAV 0,3 m, Connection from control unit ekey home SE micro to the WH external control unit
6 Fingerprint ekey home FS IN 2.0 T BT + decor design element FS IN ED
7 Control unit ekey home SE micro 1
8 ekey KAB A 4 m / 4 x 0,14 RJ / CP, Connection from ekey Fingerprint to the control unit

Figure 3.8.2-1: Wiring blueMotion with fingerprint **ekey Integra micro with App** (sash side), applies to fingerprint / keypad

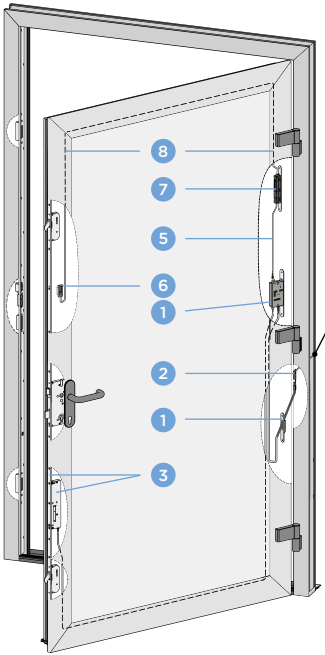


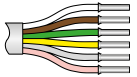


Description
1 Set of cable transition T-SET KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST including housing EV-G + cover plate (depends on the faceplate/material type), plug-in (Art.-No. 5040512)
2 Cable transition frame part T-KÜ-T1 RT KABEL 0,6M RNT, for frame power supply (Art.-No. 5040504)
3 T-BM ... including motor housing, Art.-No. on request
4 Frame power supply T-NETZTEILRAHM. 24 V DC 1 A (2 A/2 S) (Art.-No. 5038589)
5 - 8 ekey Article in PACKAGE 101940
5 ekey WH Adapter micro WH BM+EAV 0,3 m, Connection from control unit ekey home SE micro to the WH external control unit
6 Fingerprint ekey home FS IN 2.0 T BT + decor design element FS IN ED
7 Control unit ekey home SE micro 1
8 ekey KAB A 4 m/4 x 0,14 RJ/CP, Connection from ekey Fingerprint to the control unit

Notice: The positioning of frame power supply and cable transition on the hinge side is recommended, either between lower/middle door hinge or in each case approx. 10 cm above/below the middle door hinge.

Figure 3.8.2-2: Wiring blueMotion with fingerprint **ekey Integra micro with App and frame power supply** (sash side), applies to fingerprint/keypad





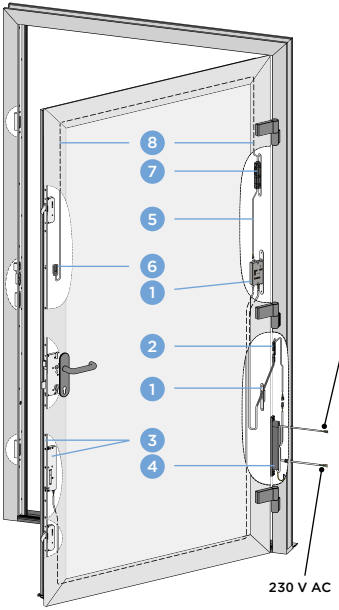
green / yellow = input for external potential-free contact (e.g. unlocking via inter-com / "open" button)

grey = with battery pack - on terminal PFS
= without battery pack - together with white on + 24 V DC terminal

Notice! max. 40 m extendable (min. 5 x 0,8 mm²)

Description
1 Set of cable transition T-SET KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST including housing EV-G + cover plate (depends on the faceplate / material type), plug-in (Art.-No. 5040512)
2 Cable transition frame part T-KÜ-T1 RT Cable 4M, for external power supply "top hat mounting rail" (Art.-No. 5040503)
3 T-BM ... including motor housing, Art.-No. on request
5 - 8 ekey Article in PACKAGE: for timber doors / radius 20 mm = 101945 for aluminum and PVC / square 24 mm = 101948
5 ekey KAB BM + 0,3 m / 4 x 0,25 CP / PAP4 WHS BMO, Connection from ekey home SE micro plus to the WH external control unit
6 Fingerprint ekey FS AR ED V 52 x 52
7 Control unit ekey home SE micro plus 1
8 ekey KAB AA 4 m / 5 x 0,14 SH / CP35, Connection from ekey fingerprint AR to control unit ekey home SE micro plus

Figure 3.8.2-3: Wiring blueMotion with fingerprint **ekey Arte micro plus with App** (sash side)



Do not connect external voltage!

green / yellow = input for external potential-free contact (e.g. unlocking via intercom / "open" button)

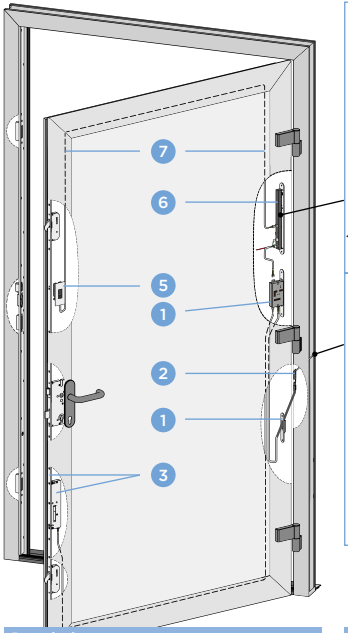
grey = with battery pack - on terminal PFS
= without battery pack - together with white on + 24 V DC terminal

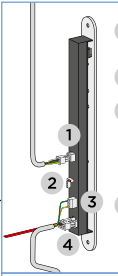
Notice! max. 40 m extendable (min. 5 x 0,8 mm²)

Description	
1	Set of cable transition T-SET KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST including housing EV-G + cover plate (depends on the faceplate / material type), plug-in (Art.-No. 5040512)
2	Cable transition frame part T-KÜ-T1 RT KABEL 0,6M RNT, for frame power supply (Art.-No. 5040504)
3	T-BM ... including motor housing, Art.-No. on request
4	Frame power supply T-NETZTEILRAHM. 24 V DC 1 A (2 A/2 S) (Art.-No. 5038589)
5 - 8	**ekey Article in PACKAGE: for timber doors / radius 20 mm = 101945 for aluminum and PVC / square 24 mm = 101948**
5	ekey KAB BM + 0,3 m / 4 x 0,25 CP / PAP4 WHS BMO, Connection from ekey home SE micro plus to the WH external control unit
6	Fingerprint ekey FS AR ED V 52 x 52
7	Control unit ekey home SE micro plus 1
8	ekey KAB AA 4 m / 5 x 0,14 SH / CP35, Connection from ekey Fingerprint AR to control unit ekey home SE micro plus

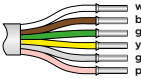
Notice: The positioning of frame power supply and cable transition on the hinge side is recommended, either between lower / middle door hinge or in each case approx. 10 cm above / below the middle door hinge.

Figure 3.8.2-4: Wiring blueMotion with fingerprint **ekey Arte micro plus with App and frame power supply** (sash side)





1 X3: Connection from control unit ekey to the fingerprint
2 JP1: Adjustment 2/3
JP2: for relay 2
3 X6: Screw-type terminal, Connection from wire yellow, green (relay 1)
yellow = switching pulse
green = switching pulse
4 X1: Connection from housing EV-G of the control unit, wire red for relay 2 at Integra 2



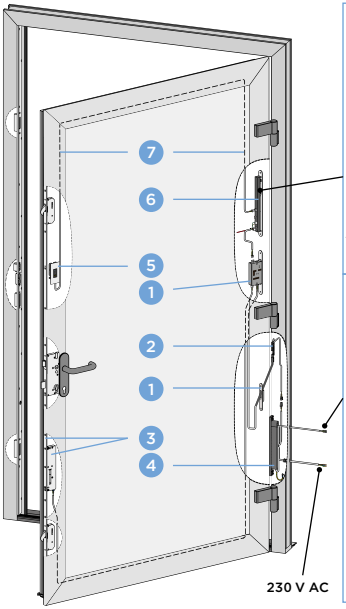
white + 24 V DC
brown 0 V
green } external opening
yellow } signal
grey battery pack
pink (not assigned)

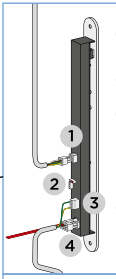
green/yellow = input for external potential-free contact (e.g. unlocking via intercom/"open" button)
grey = with battery pack - on terminal PFS
= without battery pack - together with white on + 24 V DC terminal
Notice! max. 40 m extendable (min. 5 x 0,8 mm²)

Description
1 Set of cable transition T-SET KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST including housing EV-G + cover plate (depends on the faceplate/material type), plug-in (Art.-No. 5040512)
2 Cable transition frame part T-KÜ-T1 RT Cable 4M, for external power supply "top hat mounting rail" (Art.-No. 5040503)
3 T-BM ... including motor housing, Art.-No. on request

Description
5 - 7 **ekey Article in PACKAGE: for timber doors/radius 20 mm = 101941 for aluminum and PVC/square 24 mm = 101942**
5 Fingerprint ekey home FS IN 2.0 T BT + decor design element FS IN ED
6 Control unit ekey home SE integra 1
7 ekey KAB A 4 m/4 x 0,14 RJ/CP, Connection from ekey fingerprint to the control unit ekey home integra

Figure 3.8.2-5: Wiring blueMotion with fingerprint **ekey Integra with control unit** (sash side)





1 X3: Connection from control unit ekey to the fingerprint
2 JP1: Adjustment 2 / 3
JP2: for relay 2
3 X6: Screw-type terminal, Connection from wire yellow, green (relay 1)
yellow = switching pulse
green = switching pulse
4 X1: Connection from housing EV-G of the control unit, wire red for relay 2 at Integra 2

Do not connect external voltage!

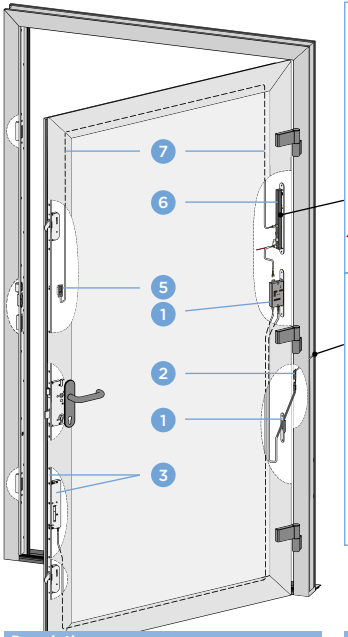
white + 24 V DC
brown 0 V
green } external opening
yellow } signal
grey battery pack
pink (not assigned)

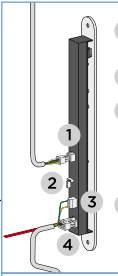
green / yellow = input for external potential-free contact (e.g. unlocking via intercom / "open" button)
grey = with battery pack - on terminal PFS
= without battery pack - together with white on + 24 V DC terminal
Notice! max. 40 m extendable (min. 5 x 0,8 mm²)

Description
1 Set of cable transition T-SET KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST including housing EV-G + cover plate (depends on the faceplate / material type), plug-in (Art.-No. 5040512)
2 Cable transition frame part T-KÜ-T1 RT KABEL 0,6M RNT, for frame power supply (Art.-No. 5040504)
3 T-BM ... including motor housing, Art.-No. on request
4 Frame power supply T-NETZTEILRAHM. 24 V DC 1 A (2 A/2 S) (Art.-No. 5038589)

Description
5 - 7 ekey Article in PACKAGE: for timber doors / radius 20 mm = 101941 for aluminum and PVC / square 24 mm = 101942
5 Fingerprint ekey home FS IN 2.0 T BT + decor design element FS IN ED
6 Control unit ekey home SE integra 1
7 ekey KAB A 4 m / 4 x 0,14 RJ / CP, Connection from ekey fingerprint to control unit ekey home integra

Figure 3.8.2-6: Wiring blueMotion with fingerprint **ekey Integra with control unit and frame power supply** (sash side)





1 X3: Connection from control unit ekey to the fingerprint
2 JP1: Adjustment 2/3
JP2: for relay 2
3 X6: Screw-type terminal, Connection from wire yellow, green (relay 1)
yellow = switching pulse
green = switching pulse
4 X1: Connection from housing EV-G of the control unit, wire red for relay 2 at Integra 2

green/yellow = input for external potential-free contact (e.g. unlocking via intercom/"open" button)

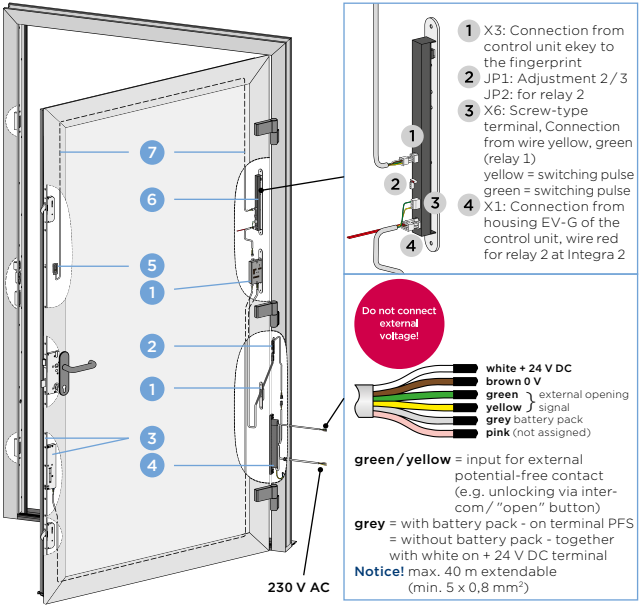
grey = with battery pack - on terminal PFS
= without battery pack - together with white on + 24 V DC terminal

Notice! max. 40 m extendable (min. 5 x 0,8 mm²)

Description
1 Set of cable transition T-SET KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST including housing EV-G + cover plate (depends on the faceplate/material type), plug-in (Art.-No. 5040512)
2 Cable transition frame part T-KÜ-T1 RT Cable 4M, for external power supply "top hat mounting rail" (Art.-No. 5040503)
3 T-BM ... including motor housing, Artikel -Nr. on request

Description
5 - 7 **ekey Article in PACKAGE: for timber doors/radius 20 mm = 101946 for aluminum and PVC/square 24 mm = 101947**
5 Fingerprint ekey FS AR ED V SV 52 x 52
6 Control unit ekey home SE integra plus 1 (R20/E24)
7 ekey KAB AA 4 m/5 x 0,14 SH/CP35, Connection from ekey fingerprint AR to control unit ekey home SE integra plus 1

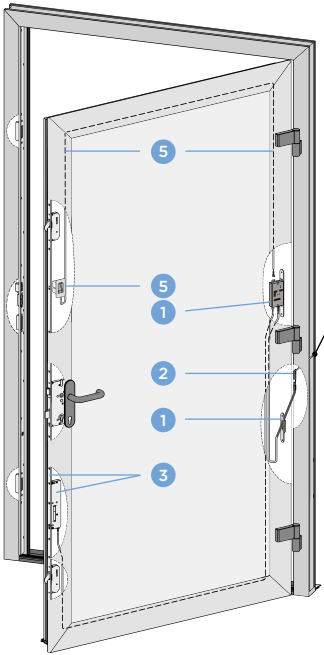
Figure 3.8.2-7: Wiring blueMotion with fingerprint **ekey Arte with control unit** (sash side)

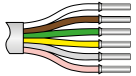


Description
1 Set of cable transition T-SET KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST including housing EV-G + cover plate (depends on the faceplate / material type), plug-in (Art.-No. 5040512)
2 Cable transition frame part T-KÜ-T1 RT KABEL 0,6M RNT, for frame power supply (Art.-No. 5040504)
3 T-BM ... including motor housing, Artikel -Nr. on request
4 Frame power supply T-NETZTEILRAHM. 24 V DC 1 A (2 A/2 S) (Art.-No. 5038589)

Description
5 - 7 ekey Article in PACKAGE: for timber doors / radius 20 mm = 101946 for aluminum and PVC / square 24 mm = 101947
5 Fingerprint ekey FS AR ED V SV 52 x 52
6 Control unit ekey home SE integra plus 1 (R20 / E24)
7 ekey KAB AA 4 m / 5 x 0,14 SH / CP35, Connection from ekey Fingerprint AR und Control unit ekey home SE integra plus 1

Figure 3.8.2-8: Wiring blueMotion with fingerprint **ekey Arte with control unit and frame power supply** (sash side)





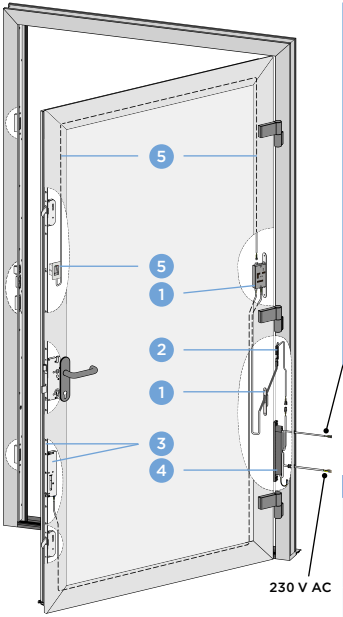
green / yellow = input for external potential-free contact (e.g. unlocking via intercom / "open" button)

grey = with battery pack - on terminal PFS
= without battery pack - together with white on + 24 V DC terminal

Notice! max. 40 m extendable (min. 5 x 0,8 mm²)

Description	
1	Set of cable transition T-SET KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST including housing EV-G + cover plate (depends on the faceplate / material type), plug-in (Art.-No. 5040512)
2	Cable transition frame part T-KÜ-T1 RT Cable 4M, for external power supply "top hat mounting rail" (Art.-No. 5040503)
3	T-BM ... including motor housing, Art.-No. on request
5	Fingerprint unit IDENCOM suitable for Winkhaus blueMotion with integrated cable, plug-in (IDENCOM Art.-No. 680 804)

Figure 3.8.2-9: Wiring blueMotion with fingerprint **IDENCOM BioKey INSIDE** (sash side)



Do not connect external voltage!

green / yellow = input for external potential-free contact (e.g. unlocking via intercom / "open" button)

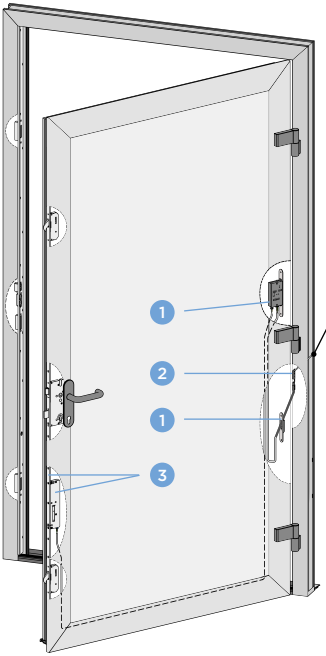
grey = with battery pack - on terminal PFS
= without battery pack - together with white on + 24 V DC terminal

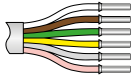
Notice! max. 40 m extendable (min. 5 x 0,8 mm²)

Notice: The positioning of frame power supply and cable transition on the hinge side is recommended, either between lower / middle door hinge or in each case approx. 10 cm above / below the middle door hinge.

Description	
1	Set of cable transition T-SET KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST including housing EV-G + cover plate (depends on the faceplate / material type), plug-in (Art.-No. 5040512)
2	Cable transition frame part T-KÜ-T1 RT KABEL 0,6M RNT, for frame power supply (Art.-No. 5040504)
3	T-BM ... including motor housing, Art.-No. on request
4	Frame power supply T-NETZTEILRAHM. 24 V DC 1 A (2 A/2 S) (Art.-No. 5038589)
5	Fingerprint unit IDENCOM suitable for Winkhaus blueMotion with integrated cable, plug-in (IDENCOM Art.-No. 680 804)

Figure 3.8.2-10: Wiring blueMotion with fingerprint **IDENCOM BioKey INSIDE and frame power supply** (sash side)





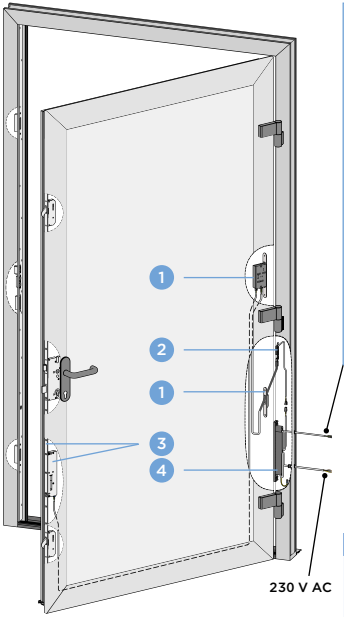
green / yellow = input for external potential-free contact (e.g. unlocking via intercom / "open" button)

grey = with battery pack - on terminal PFS
= without battery pack - together with white on + 24 V DC terminal

Notice! max. 40 m extendable (min. 5 x 0,8 mm²)

Description	
1	Set Cable transition T-SET KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST including housing EV-G + cover plate (depends on the faceplate / material type), plug-in (Art-No. 5040512)
2	Frame part Cable transition T-KÜ-T1 RT Cable 4M, for external power supply "top hat mounting rail" (Art-No. 5040503)
3	T-BM ... including motor housing, Artikel-No. on request

Figure 3.8.2-11: Wiring blueMotion without external access control system (sash side)



Do not connect external voltage!

green / yellow = input for external potential-free contact (e.g. unlocking via intercom / "open" button)

grey = with battery pack - on terminal PFS
= without battery pack - together with white on + 24 V DC terminal

Notice! max. 40 m extendable (min. 5 x 0,8 mm²)

Notice: The positioning of frame power supply and cable transition on the hinge side is recommended, either between lower / middle door hinge or in each case approx. 10 cm above / below the middle door hinge.

Description	
1	Set of cable transition T-SET KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST including housing EV-G + cover plate (depends on the faceplate / material type), plug-in (Art.-No. 5040512)
2	Cable transition frame part T-KÜ-T1 RT KABEL 0,6M RNT, for frame power supply (Art.-No. 5040504)
3	T-BM ... including motor housing, Art.-No. on request
4	Frame power supply T-NETZTEILRAHM. 24 V DC 1 A (2 A/2 S) (Art.-No. 5038589)

Figure 3.8.2-12: Wiring blueMotion without external access control system with frame power supply (sash side)

3.9 Function switch day / night / reset

- Top (direction sun) = day function
- Center position = night function (default setting)
- Low (direction moon) = button for reset / reset the error counter
  → Push the button in lower position and hold it for min. 6 second
  = Signal sound out of the motor housing (1 x circa 1 second)
  = Error counter is reseted
  → Button springs independently back in the center position / night function

3.10 Control of additional functions

A) Additional applications (only ekey home integra 2)

- The control of a additional application (e.g. garage door, alarm system) takes place via the second relay of the integra 2.
- To this is a second cable transition needed.
  (e.g. T-KÜ-T1 FT 2M, Art.-No. 5040501)
- This one to cut to length and connect the two red wires (potential-free contact) on the 8-pole plug of the control unit professionally (see figure 3.8.2-5 **4**).
- The two needed wires of the cable transition are free selectable.

B) Swing door opener (ekey home integra 1 resp. 2 or IDENCOM BioKey INSIDE)

- To this is a second cable transition needed.
  (e.g. T-KÜ-T1 FT 2M, Art.-No. 5040501)
- Open the housing EV-G and remove the rubber bush, out of the cable gland.
- The cable transition to cut to length and guide the cable through the cable entry into the housing EV-G.
- The two needed wires of the cable transition are free selectable.
- According which swing door opener is used, put the cable on 6/7 (break / normally closed contact) or 7/8 (make / normally open contact) of the external control unit.
- Screw together the housing again.

4 Operation / Programming

4.1 blueMotion

4.1.1 Locking and unlocking in night service mode

Locking

- With the setting "Night service mode" the motor will always lock the door as you pull it shut.
- When doing so, all locking elements are driven out completely and are blocked.
- The motorized locking starts after a waiting time of approx. 1 second to prevent unintentional locking.
- After a waiting period of 2 seconds, the motor will have locked the door and will return to its initial position.
- After proper locking, an acoustic signal is given.

Action	Acoustic signal	Result
Lock + neutral position	■ ■ 2 x short	properly locked

- Should there be no or another acoustic signal, please refer to chapter 6 (Errors / Causes / Troubleshooting).

Opening

- The door is unlocked from the outside via the connected access control (e.g. transponder, wireless remote control) and the key.
- If the door is not opened after unlocking the motor, and freezes in the "zero position", automatic locking takes place again after 8 seconds.

Opening the door from the inside

- via the button
- via the intercom (floating contact button!)
- via the handle and the key

Notice: In the event of power failure and locking in the initial position, the door can be locked and unlocked using the key or the door handle on the inside of the door can be unlocked!

4.1.2 Locking and unlocking in day service mode

Locking

- The door is only held by the latch and is not locked automatically.
- Uses: e.g. for doors of public buildings with heavy door traffic (with an electrical door opener being set to day service or with roller latch).

Opening

- The door is unlocked from the outside via the connected access control (e.g. transponder, wireless remote control) and the key.

Opening the door from the inside

- via the button
- via the intercom (floating contact button!)
- via the handle and the key

4.1.3 Use of the day mode for permanently opening of the door

To realize a day mode in conjunction with a permanent passing of the door (without locking) use a so-called daytime latch TaFa (e.g. T-TAGESFALLE 9/91 TAFA FA RS Art.-No. 5006561), electric strike with day release or a roller latch and also be set there to the respective day mode function.

4.1.4 Instructions for switch day / night mode

The standard adjustment of the blueMotion External control unit at delivery / without the use of day / night switch is the night mode.

- When switching from night to day mode, 1 x must be unlocked electrically or mechanically, then the day mode is activated and the hooks are or remain retracted.
- When switching from day to night mode will be locked immediately.

4.2 blueMotion with transponder

4.2.1 Operation

The external control unit controls and monitors access to the door.
- Operation is ensured via transponders that work contactless.
- Hold a taught transponder chip into the proximity (0 - 5 cm) of the antenna.
- Once the transponder chip is close enough to where it can read the information, communication is established contactfree.
- The transponder data are transmitted to the control unit via the antenna.
- An acoustic door signal will acknowledge the data transfer.
- The control checks whether this transponder chip is authorized to access and okays/denies access.

Action	Acoustic signal	Result
Door with transponder "Open"	■ ■ short, short	authorized

- After the enable time has elapsed, another transponder can be recognized and evaluated.
- If a transponder chip is unknown to the control, access will be denied.

Action	Acoustic signal	Result
Door with transponder "Open"	■ ▬▬ short, long	not authorized

4.2.2 Programming

Each transponder set is supplied with 2 programming card transponders. (programming card = green, delete-all card = red)

Teach-in mode

Programming card:
Set teach-in mode →
Teach transponder

Action	Acoustic signal	Result
Pass the programmable card over the antenna	■ ■ short, every 0.5 seconds	programming mode **active**

Notice: If do not swipe the transponder chip across the antenna, within 5 seconds, the teach-in mode will stop. The external control unit will return to operating mode.

Action	Acoustic signal	Result
Pass all the transponders to be tutored in succession over the antenna	▬ for about 1 second	transponders **tutored**
Pass all the transponder to be tutored in succession over the antenna	no acoustic signal (no more transponders can be tutored)	no acoustic signal (no more transponders can be tutored)

Delete mode

Delete card:
Delete mode
"All transponders" → Deletes all transponders (key tags)

CAUTION! By using the delete-all card all transponders stored in the system will be deleted! The action of deleting all transponders is irrevocable once the process has been completed!
You have to teach up to 250 new transponders from the start!
The programming cards can not open the door!

Action	Acoustic signal	Result
Pass the delete-all card over the antenna	▬ for about 1 second	end of delete mode **All transponders**

Notice: All transponders have been deleted and the control unit is at delivery status. The delete-all card and the programming card are saved, a transponder is not saved.
In this state you can not open the door via transponder card, rather you will have to teach-in the transponder anew!
Keep the programming cards at a safe place to prevent abuse or misuse.
If you lose the cards, the external control unit will have to be exchanged in its entirety.
Please contact customer service for more information.

4.3 blueMotion with wireless remote control

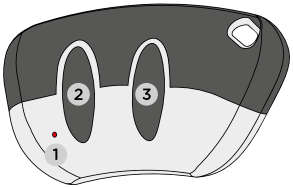
4.3.1 Operation

- The operation takes place by means of non-contact wireless remote controls.
- The set of 3 wireless remote control have already been taught (key A).
- In order to trigger a signal, press the A key of the taught-in remote control. The red LED will turn on and the door will be unlocked.

4.3.2 Programming

You can program the wireless remote via the remote control or the wireless receiver. We do recommend programming via the wireless remote control (max. 85 keys).
The programming per remote control is not possible for the wireless receiver for additional applications.

Teaching the wireless remote control directly by remote control (recommended)



1 LED red
2 Key A
3 Key B

Notice: Press and hold the key until you can hear the acoustic signal!

Action	Acoustic signal	Result
1) Press keys A and B (of a tutored remote control) simultaneously *	■ short	programming mode **started**
2) Press the A key (of the same remote control)	■■■■■■■■■■■■ continuous signal (as long as teach-in mode is active)	programming mode **active**
3) Press all keys to be taught in succession, as long as the teach-in mode is active	■■■■■ ■■■■■ continuous signal is briefly interrupted	pressed key(s) is / are taught-in

* If no remote control has been taught (e.g. after delete-all function), it would apply to all remote control. The teach-in mode can be started with any remote control.

Deleting wireless remote control directly by the remote control

Partial deleting

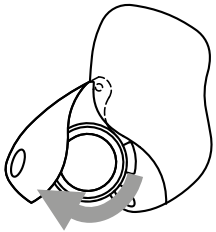
Action	Acoustic signal	Result
1) Press keys A and B (of a tutored remote control) simultaneously *	■ short	programming mode **started**
2) Press the A key (of the same remote control)	■■■■■■■■■■■■ continuous signal (as long as delete mode is active)	programming mode **active**
3) Press all keys to be deleted in succession, as long as the delete mode is active	■■■■■ ■■■■■ continuous signal is briefly interrupted	pressed key(s) is / are deleted

Delete all

Action	Acoustic signal	Result
1) Press keys A and B (of a tutored remote control) simultaneously *	■ short	programming mode **started**
2) Press the A key (of the same remote control)	▬▬▬▬▬ continuous signal (as long as delete mode is active)	programming mode **active**
3) Press keys A and B (of a tutored remote control) simultaneously	■ ■ ■ 3 x short	memory of the receiver is completely deleted (no remote control taught)

Changing the batteries of the wireless remote control

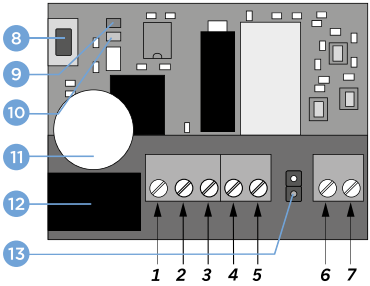
- At the key ring opening, pull the colored battery cover from the underside of the remote control outwards.
- The battery compartment swings out.
- Replace the batteries.
- Insert two Lithium CR 2016 batteries.



Notice:
Pay attention to the polarity!

ECO-WATCH:
Properly dispose of the batteries!

Teaching wireless remote control directly via the receiver



No.	Name
8	P1 key
9	green LED
10	red LED
11	buzzer
12	relay
13	jumper 12 V / 24 V

- For programming via the receiver, it will have to be freely accessible.
- Press the P1 key of the receiver until the green LED lights up.
- Release the key.
- Use the desired key of the remote control while the LED is lit up.
- As long as the LED is lit, you can program additional remote control keys.

Display memory full: The memory has been filled to capacity (max. 85 keys), if the teach-in keys of a new wireless remote control is used and both LED displays of the receiver flash simultaneously.

Deleting wireless remote control directly via the receiver

Partial deleting

- Press and hold the P1 key of the receiver until the green LED lights up.
- Release the key.
- Press the key of the wireless remote control while the LED is lit up.
- A taught-in wireless remote control will be deleted automatically.
- A wireless remote control that has not been taught will be programmed (see "Teaching wireless remote control directly via the remote control").

Delete-all

- Press and hold the P1 key of the receiver until the green LED lights up.
- Release the key.
- Press the key again until the green and red LED flash three times.
- All wireless remote control have been deleted now.

ON/OFF modality

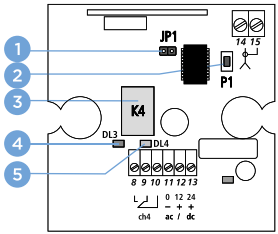
- The default setting of the relay of the receiver is "Pulse".
- For additional applications you can program it as an ON/OFF relay (specified by the respective application).
- Press and hold the P1 key of the receiver until the green LED lights up.
- Release the key.
- Press P1 again.
- The LED flashes and the relay is switched to the ON/OFF function.
- Use the same procedure to get to the pulse mode.
- The LED will then be lit continuously.

Displaying the occupied memory units

- Press and hold the P1 key of the receiver until the green LED lights up.
- Press and hold until the LED goes off.
- Then release the key immediately.

The display is a binary code. LED green = 1, LED red = 0

4.4 Wireless receiver for additional applications (e.g. Garage door control units)



No.	Name
1	jumper JP1
2	P1 key
3	K4 relay
4	red LED
5	green LED

Teaching-in via the wireless receiver (item no.: 2142897)

Notice: The teaching-in per remote control is not possible for this receiver!

The wireless receiver saves the keys of the wireless remote control in the sequence entered.

- To teach-in, press the P1 key of the circuit board of the wireless receiver.
- The green LED will light up.
- Release the P1 key.
- Then press the key of the wireless remote control you would like to save.
- The green LED goes out.
- The desired key of the wireless remote control has been taught.

Deleting via the wireless receiver

Partial deleting

- Press and hold the P1 key for about 2 seconds.
- When the green LED lights up, release the P1 key.
- Press the key of the wireless remote control you would like to delete.
- Deleting the key is indicated by the flashing LED.

Delete-all

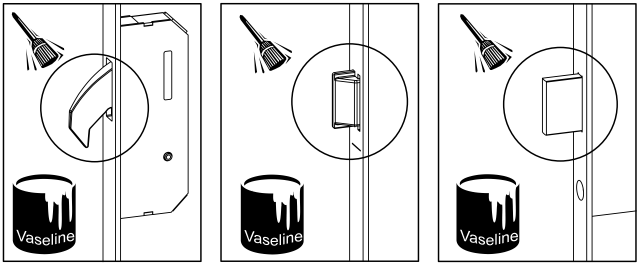
- Press and hold the P1 key until the green LED lights up.
- Release the P1 key.
- While the LED is lit, press the P1 key again until both LEDs flash tree times.

The memory is full once 85 keys have been saved in the wireless remote control. No additional wireless remote control can be saved. This is indicated in the teach-in mode by both LED displays flashing simultaneously three times.

5 Maintenance and Care

- Components of the door furniture relevant to security have to be checked for tight-ness and wear at regular intervals. If required, the retaining screws should be re-tightened and any defective parts should be replaced.
- Check the locking mechanism and smooth operation of the security lock at regular intervals (at least once every three months).
- At least once a year - more frequently if under a higher stress factor - all moveable parts and all accessible sliding members of the locking system need to be lubricated with Vaseline (e.g. with the greases Divinol Profilube SL (spray grease) or Divinol F14 EP) and checked for proper performance regarding mechanics and electronics.

Notice: Grease must be compatible with non-ferrous metals and plastics.



- You should only use neutral cleaning agents or care products that do not contain any abrasives to protect the anticorrosion coating of the door furniture.
- If you are using the battery, pay attention to the recommended service life.
- Clean electronic parts only in a dry state.

6 Errors / Causes / Troubleshooting

CAUTION! If the power supply has been interrupted, system errors are possible! As soon as power is sapplied again, the system adjusts itself (reference travel). To avoid interference, we recommend the battery with charging connection.

Error / Display	Possible cause	Troubleshooting
■■■■ 4 x short acoustic signal The locking has taken place, but sluggish and can be damaged in the long term. **Notice:** The locking is still working properly.	e.g.: • opening / locking mechanism is too stiff • door can be warped • door sash hanging • improper installation	• check for proper door installation (e.g. airgap) • re-adjust the door (e.g. re-adjust adjustable keeps, tighten, adjust hinges) **CAUTION!** Warning signal (4 x short) is sounded up to 10 x in sequence in case the locking is not smooth, whereupon, the motor-driven locking is locked, to protect the system from permanent overloading. After the locking, if an electrical actuation is attempted, there is a short beep for about 5 seconds (30 x). After eliminating the error cause the electrically locking can be reseted. For this, press the button for resetting the error counter for at least 6 seconds. An acoustic signal confirmes this process (reset of the error counter)! **Important:** The error counter is blank, but if necessary not cause of error.

Error / Display	Possible cause	Troubleshooting
■ 10 x acoustic signal for about 1 second The locking / unlocking has not taken place properly, the motor moves into zero-position. **CAUTION!** Locking can still be (partially) closed.	Locking or unlocking is too stiff and sluggish, because e.g.: • lock has encountered an hindrance • door is extremely warped • the latch has not latched properly • profile cylinder without free moving cam • position of the cam > ± 30°	**Contact customer service!** Draw door towards you, open manually via the key, press the button for opening the door, conduct a performance test. Additionally: • check keeps for damage • check door settings (keeps, airgap) • adjust the keeps (change the gaskit) • check the profile cylinder **CAUTION!** Warning signal 10 x in sequence → Blocking.
■ 5 seconds long, short acoustic signal (about 20 x)	• power outage	• open / lock door manually by using the key / handle **Notice:** In the event of a power outage, via the battery the motor will drive to a defined position once. There are no other signals given to indicate that the system is battery operated.
No acknowledgement signal is given.	• power outage • magnet out of range • Lock in day service mode	• open / lock manually via the key or handle • check door settings
Does not lock automatically.	• has been set to day service mode • door is not closed all the way • magnet is not set properly • power outage • profile cylinder without free moving cam	• change to night service mode • close the door properly or set properly • set magnet • check power supply • check cable transition • check profile cylinder for free moving cam

Error / Display	Possible cause	Troubleshooting
Always locks automatically.	• is set to night service mode	• change to day service mode
Mechanical locking is not possible.	• profile cylinder without free moving cam • position of the cam > ± 30°	• change the profile cylinder • check the position of the cam
No acoustic signal when the transponder is used.	• transponder chip too far away from the antenna • transponder chip is not held long enough in front of the antenna • power outage	• bring the transponder chip closer (approx. 0 - 5 cm) to the antenna • hold the transponder chip in front of the antenna for a longer time
Wireless receiver does not register signals.	• remote control's batteries are too low • out of range	• replace batteries • bring wireless remote control closer (at the most 30 m of unobstructed area)
Door cannot be opened with the wireless remote control. Remote control's LED does not light up or flashes.	• batteries are empty	• replace the batteries of the wireless remote control
Door cannot be opened with the wireless remote control. Remote control's LED lights up.	• wireless remote control has not been taught	• check the wireless remote control and / or re-teach
No neutral position in the event of a power outage.	• battery is out of function	• replace the battery

7 Technical specifications

7.1 Power supply unit

Primary voltage:	100 - 240 V AC; 50/60 Hz
Secondary voltage:	24 V DC stabilized
Current:	2.5 A
Power:	60 W
Dimensions (H x B x T):	94 x 78 (= 4,5 TE) x 56 mm
Weight:	approx. 0.3 kg
Installation:	top hat rail mounting

7.2 Frame power supply

Input:	230 V AC, 47-63 Hz, 0,6 A
Output:	24 V DC 1 A (2 A for 2 s)
Protection rating:	IP 20
Temperature range:	-10°C ... +55°C
Earthing of the door frame:	Eyelet, screw connection with 4 x 15 mm
Dimensions:	Frame part approx. 260 x 24 x 33 mm (H x B x T)
Screw connection:	max. 4 x 20 mm screws (max. length due to cable routing!)

7.3 Battery with charging connection

Service life:	approx. 3 years or 1000 cycles
Capacity:	110 mAh
Input voltage:	24 V DC
Output voltage:	19.2 V
Charging current:	11 mA/16 h
Dimensions (H x B x T):	90 x 72 (= 4 TE) x 58 mm
Weight:	approx. 0.2 kg
Installation:	top hat rail mounting

7.4 Antenna/control unit

Dimensions:	90 x 90 x 13 mm antenna housing, for exposed installation, cable fixed
Reading distance:	approx. 0 - 5 cm (depending on the installation environment)
Signalling:	Piezo-buzzer (in the motor housing)
Data memory:	max. 250 transponders
Reading technology:	Prox-reader (EM 4102/EM 4200)
Power consumtion:	max. 100 mA

7.5 Wireless remote control

Type of receiver:	Superheterodyne
Modulation:	AM/ASK
Frequency:	433.92 MHz
Number of code combiations:	2 to the power of 64 (as "Rolling Code")
Frequency of the local oscillator:	6.6128 MHz
Intermediate frequency:	10.7 MHz
Sensitivity (to receive signal):	-115 dB
Input impedance:	50 Ohm
Max. memory capacity:	max. 85 keys
Power supply unit:	12/24 V AC/DC
Closed-circuit current:	10 mA
On-load current:	23 mA
Number of relays:	1 (NO-NC), Output 24 VA
Dimensions (receiver):	44 x 33 x 17 mm
Weight:	130 g
Range:	max. 30 m (unobstructed area), 200 m with antenna

Remote control

Number of operations:	2 channel
Power supply unit:	Lithium battery, 2 x CR 2016
Theoret. service life of battery:	18 - 24 months
Current consumption:	13 mA
Frequency:	433.92 MHz
Number of code combiations:	2 to the power of 64 (as "Rolling Code")
Modulation:	AM/ASK

Rated output E.R.P.:	50 - 100 µW
Range in an unobstructed area:	max. 30 m
Dimensions:	61 x 36 x 16 mm

Wireless receiver (separate)

Type of receiver:	Superheterodyne
Modulation:	AM/ASK
Frequency:	433.92 MHz
Frequency of the local oscillator:	6.6128 MHz
Intermediate frequency:	10.7 MHz
Sensitivity (to receive signal):	-115 dB
Input impedance:	50 Ohm
Max. memory capacity:	85 codes for the remote control
Power supply unit:	12/24 V AC/DC
Closed-circuit current:	15 mA
On-load current:	33/48 mA
Number of relays:	(1 NO-NC)
Power:	24 W
Dimensions:	80 x 80 x 50 mm

7.6 Cable transition T-KÜ-T1 FT

General Specifications

Measurements:	Overall length approx. 260 mm
Cross section of wires:	6 x 0.25 mm²
Max. voltage:	48 V DC
Protection classification:	IP 54
Max. switching current:	2 A per connection line/wire
Screw fixing:	3 piece 3 x 20 mm, 1 piece 2.9 x 32 mm (included in set sash part)

Cable transition T-KÜ-T1 FT sash part

Sash part:

- T-KÜ-T1 FT 2 M with 2 m cable + plug for motor housing
- T-KÜ-T1 FT 3,5 M with 3.5 m cable + plug for motor housing

Cable transition frame part (order frame part separately)

Frame part:
- T-KÜ-T1 RT KABEL 4 M with 4 m cable and cable end sleeves
- T-KÜ-T1 RT KABEL 0.6 M RNT with 0.6 m cable and plug for frame power supply

T-SET Cable transition KÜ-T1 FT INTEG-BM 3,5 + 1,5 M EST

Plug-'n'-play solution for fingerprint ekey home integra, IDENCOM BioKey INSIDE as well as with external access control system (sash side)

Cross section:	6 x 0,25 mm2
Sash part:	KÜ-T1-EV-G FLÜGELTEIL 1,5 M Sash part with cable 1.5 m (6 x 0.25 mm²), cable ends with 5-pole plug for housing EV-G
Accessories:	• G2 Housing EV-G F24 R12 EST • CONNECTING CABLE MOTOR MOLEX 4-ADR. 3.5 M (4 x 0.25 mm²) - 1st Cable end with plug for motor housing BM - 2nd Cable end with plug for housing EV-G • CONNECTING CABLE EV-G INTEGRA 0.6 M (4 x 0.25 mm²) - 1st Cable end with plug for control unit ekey home integra - 2nd Cable end with plug for housing EV-G
max. Transmission-voltage:	48 V DC
max. Current:	2 A per wire/connecting line

Cable transition T-HT KÜ M1188

Dimensions:	20 x 382 x 15 mm
flexible length of spiral:	241 mm

8 Accessories and Classification

Transponder chip

T-HT TRANSPONDER CHIP T01 BLAU BL (2126766)

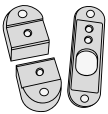
Transponder chip (separate) as an extension to the control + transponder set T-CONTROL + TRANSPONDER SET T01 (2126969), form key tag, color blue

Wireless remote control

T-HT WIRELESS REMOTE CONTROL F01 ANTHRAZIT (2126782)

2-channel remote control (separate) as an extension to the Set T-CONTROL + WIRELESS REMOTE CONTROL SET F02 (2126977), color dark grey/grey

Adapter for cable transition



T-HT ADAPTER FOR CABLE TRANSITION H4 M1210 (2126951)

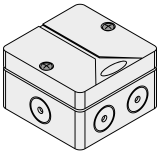
Cable transition adapter for cable transition T-HT KÜ M1188, e.g. for timber doors, to cover the fitting contour

Cover STK/RNT

T-LB COVER STK/RNT WOOD H4 R12 SW (5035742)

Cover for frame power supply and tappet contact (frame side) with 12 mm radius, e.g. for wood, 4 mm air gap, in packages of 10 pieces in a plastic bag

Wireless receiver



T-HT WIRELESS RECEIVER F01 (2142897)

Wireless receiver (separate), e.g. for coupling with the garage door control unit (use the 2. button at the wireless remote control)

Appendix 2: Classification emergency exit locking system to EN 179

Article no.	Backset	Centre distance	Faceplate	Classification
T-BM	35 - 40 mm	92 mm PZ 94 mm RZ	Flat ≥ 16 mm U ≥ 22 x 5 mm	3 S 8 C 0 G 3 1 2
T-BM	45 - 80 mm	92 mm PZ 94 mm RZ	Flat ≥ 16 mm U ≥ 22 x 5 mm	3 S 8 C 0 G 3 1 2
T-BM-EN 179/1125	35 - 40 mm	92 mm PZ 94 mm RZ	Flat ≥ 16 mm U ≥ 22 x 5 mm	2 S 8 C 0 G 3 1 2
T-BM-EN 179/1125	45 - 80 mm	92 mm PZ 94 mm RZ	Flat ≥ 16 mm U ≥ 22 x 5 mm	2 S 8 C 0 G 3 1 2

Notice: Suitable for fire and smoke protection doors (with steel latch).

8

CAUTION! The panicLock blueMotion EN 179/1125 anti-panic version must generally be designed with a free to turn cylinders with FZG anti-barricade function and mounted in conjunction with a battery (Article No. 2121455) for system zeroing.

Appendix 2: Classification emergency exit locking system to EN 179

Article no.	VS-type	Function	Backset	Centre distance	Faceplate	Classification
T-BM-EN 179 [b),c)]	B/D	I	35 - 80 mm	92 mm PZ 94 mm RZ	Flat ≥ 16 mm U ≥ 22 x 6 mm	3 7 6 B 1 3 4 2 A B/D

Maximum door sash height: 2500 mm
Maximum door sash width: 1500 mm

All locks alternatively with 1.5 mm reduced latch. If the cylinder (PZ, RZ) standard or half-cylinder is the escape door function of the lock is only guaranteed when the key is removed. The closure may be equipped with maximum of two additional bolt locks.

a) All types of cylinder locks do not affect the proper escape door function.
b) All locking cylinders with proof of suitability according to the FZG Test Guideline Gütegemeinschaft locks and fittings e. V. as well as "profile cylinder in accordance with EN 1303 (corrosion resistance class 3) with cam position ± 30°" may be used without further proof. Mechatronic cylinder only as specified by the manufacturer.
c) An emergency power back up must ensure that the bolt always reaches the end position in the event of a power failure.

Appendix 3: Classification panic locking system to EN 1125

8

Article no.	VS-type	Function	Backset	Centre distance	Faceplate	Classification
T-BM-EN 1125 a) b) c)	B	I	35 - 80 mm	92 mm PZ 94 mm RZ	Flat ≥ 16 mm U ≥ 22 x 6 mm	3 7 6 B 1 3 2 1 A B

Maximum door sash height: 2500 mm
Maximum door sash width: 1500 mm

All locks alternatively with 1.5 mm reduced latch. If the cylinder (PZ, RZ) standard or half-cylinder is the escape door function of the lock is only guaranteed when the key is removed.

a) All locking cylinders with proof of suitability according to the FZG Test Guideline Gütegemeinschaft locks and fittings e. V. as well as "profile cylinder in accordance with EN 1303 (corrosion resistance class 3) with cam position ± 30°" may be used without further proof. Mechatronic cylinder only as specified by the manufacturer.
b) The closure may be equipped with maximum of two additional bolt locks.
c) An emergency power back up must ensure that the bolt always reaches the end position in the event of a power failure.

Declaration of performance No. 007.1 CPR

1. Unique identification code of the product type:

blueMotion, Electromechanical lock for doors according to DIN EN 14846

2. Type, batch or serial number of a different identifier for identification of the construction product according to Article 11, paragraph 4 of the Construction Products Regulation (CPR):

STV-BM

3. Purpose of use intended by the manufacturer or intended purpose of use of the construction product in accordance with the applicable harmonised technical specification:

For the use in fire and/or smoke protection doors, which includes a suitable door closing device, to meet the requirements for such doors in terms of automatic closing and then make sure that the doors stay closed.
For use with fire-protection doors, to get the fire protection of the door system.

4. Name, registered trade name or trademark and contact information of the manufacturer in accordance with Article 11, paragraph 5 of the Construction Products Regulation (CPR):

Aug. Winkhaus GmbH & Co. KG
Berkeser Str. 6
D-98617 Meiningen

5. Name and contact information of the authorised person, if applicable, who is commissioned with the tasks in accordance with Article 12, paragraph 2 (CPR):

N/A

6. Systems or systems for the evaluation and inspection of the performance reliability of the construction product in accordance with Annex V of the Construction Products Regulation (CPR):

System 1

7. **The MPA NRW with the identification number 0432-MPA-NRW of the notified body has carried out the type inspection in accordance with the specifications of En 14846:2008 (D) and evaluated and verified the performance reliability according to System 1, as well as issued the test report.**

Zertifikat 0432 – CPR – 00107-04

8. Declared performance:

Significant features	Performance	Harmonised technical specification
Capability for automatic closing		DIN EN 14846:2008-11 (EN 14846:2008 (D))
5.4 Door mass and closing force	Class 8: up to 200 kg door mass, 15 N maximum closing force	
Annex A (5.1.2 DIN EN 12209) Retraction force of the latch	≥ 2,5 N	
Durability the capability to automatic close		
5.3.2 Durability of latch action	Class S: 200.000 cycles with 50 N load on the latch	
Ability for fire/smoke protection doors assemblies		
5.5 Ability for fire/smoke protection doors assemblies	Class C: For use in fire/smoke protection doors up to the fire protection class 30 min suitable	
5.1.2 Control of harmful substances	No harmful substances may be contained within or released by this product	

9. The product described under sections 1 and 2 fulfils the performances listed under section 8.

This declaration of performance is ussed under the sole resposability of the manufacturer identified in point 4.
Signed for and on behalf of the manufacturer by:

Meiningen, 17/02/2015

ppa. Dr. D. Warnow, Technical Director

ppa. A. Dinkelborg, Director of Product Management

Declaration of performance No. 001.3 CPR

1. Unique identification code of the product type:

panicLock 179, Emergency exit locks to DIN EN 179

2. Type, batch or serial number of a different identifier for identification of the construction product according to Article 11, paragraph 4 of the Construction Products Regulation (CPR):

Emergency exit locks STV-AP179, STV-AP179-AV3 OR, STV-BM-EN179

3. Purpose of use intended by the manufacturer or intended purpose of use of the construction product in accordance with the applicable harmonised technical specification:

For doors in escape routes with fittings according to DIN EN 179

4. Name, registered trade name or trademark and contact information of the manufacturer in accordance with Article 11, paragraph 5 of the Construction Products Regulation (CPR):

Aug. Winkhaus GmbH & Co. KG
Berkeser Str. 6
D-98617 Meiningen

5. Name and contact information of the authorised person, if applicable, who is commissioned with the tasks in accordance with Article 12, paragraph 2 (CPR):

N/A

6. Systems or systems for the evaluation and inspection of the performance reliability of the construction product in accordance with Annex V of the Construction Products Regulation (CPR):

System 1

7. The MPA NRW with the identification number 0432-MPA-NRW of the notified body has carried out the type inspection in accordance with the specifications of EN 179: 2008-04 and evaluated and verified the performance reliability according to System 1, as well as issued the test report.

Certificate 0432 – CPR – 00107-01

8. Declared performance:

Significant features	Performance	Harmonised technical specification
Capability for passage	fulfilled	DIN EN 179: 2008-04 (EN 179: 2008 (D))
Permanent functionality of the release capability	Class 7	
Capability of independent closing (of fire/smoke protection doors in escape routes)	fulfilled	
Permanent functionality in regard to the capability of automatically closing C as well as in regard to ageing and diminished quality	Class 7	
Fire resistance capability E (Room closure) and heat insulation I	Class B	
Control of harmful substances	No harmful substances may be contained within or released by this product.	

9. The product described under sections 1 and 2 fulfils the performances listed under section 8.

This declaration of performance is ussed under the sole resposability of the manufacturer identified in point 4.
Signed for and on behalf of the manufacturer by:

Meiningen, 17/02/2017

ppa. Dr. D. Warnow, Technical Director

ppa. A. Dinkelborg, Director of Product Management

Aug. Winkhaus GmbH & Co. KG · Berkeser Straße 6 · 98617 Meiningen · T +49 369 3950-0 · tuerverriegelung@winkhaus.de · www.winkhaus.de

Declaration of performance No. 002.3 CPR

1. Unique identification code of the product type:

panicLock 1125, Panic locking systems to DIN EN 1125

2. Type, batch or serial number of a different identifier for identification of the construction product according to Article 11, paragraph 4 of the Construction Products Regulation (CPR):

Panic locking systems STV-AP1125, STV-BM-EN1125

3. Purpose of use intended by the manufacturer or intended purpose of use of the construction product in accordance with the applicable harmonised technical specification:

For doors in escape routes with fittings according to DIN EN 1125

4. Name, registered trade name or trademark and contact information of the manufacturer in accordance with Article 11, paragraph 5 of the Construction Products Regulation (CPR):

Aug. Winkhaus GmbH & Co. KG
Berkeser Str. 6
D-98617 Meiningen

5. Name and contact information of the authorised person, if applicable, who is commissioned with the tasks in accordance with Article 12, paragraph 2 (CPR):

N/A

6. Systems or systems for the evaluation and inspection of the performance reliability of the construction product in accordance with Annex V of the Construction Products Regulation (CPR):

System 1

7. The MPA NRW with the identification number 0432-MPA-NRW of the notified body has carried out the type inspection in accordance with the specifications of EN 1125: 2008-04 and evaluated and verified the performance reliability according to System 1, as well as issued the test report.

Certificate 0432 – CPR – 00107-02

8. Declared performance:

Significant features	Performance	Harmonised technical specification
Capability for passage	fulfilled	DIN EN 1125: 2008-04 (EN 1125: 2008 (D))
Permanent functionality of the release capability	Class 7	
Capability of independent closing (of fire/smoke protection doors in escape routes)	fulfilled	
Permanent functionality in regard to the capability of automatically closing C as well as in regard to ageing and diminished quality	Class 7	
Fire resistance capability E (Room closure) and heat insulation I	Class B	
Control of harmful substances	No harmful substances may be contained within or released by this product.	

9. The product described under sections 1 and 2 fulfils the performances listed under section 8.

This declaration of performance is ussed under the sole resposability of the manufacturer identified in point 4.
Signed for and on behalf of the manufacturer by:

Meiningen, 17/02/2017

ppa. Dr. D. Warnow, Technical Director

ppa. A. Dinkelborg, Director of Product Management

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