blueMatic EAV

Automatic Locking System with Motor Operated Opening

Installation, Operating and Maintenance Instructions

After installation please pass on these instructions to the end customer. (Disclosure obligation stipulated in the Product Liability Act.)

This security door locking system complies with the requirements and directives established and stipulated by the Council on the Harmonization of Legal Regulations of Member States regarding Electromagnetic Compatibility (89/336/EEC).

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 the development and manufacture of this product.

For the purpose of customer satisfaction and operational reliability of the automatic locking system with motor operated opening , we reserve the right to make changes to this product without notice.

All information and specifications given in this operating manual have been compiled and reviewed with the utmost care.

Due to the nature of advances in technology, or amendments to legal regulations and other compulsory changes we do not guarantee the accuracy and completeness of the contents' statements. We always appreciate suggestions or comments.

The automatic locking system with motor operated opening can be easily installed, if these operating instructions and the door specifications indicated have been adhered to.

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1 Important information

1.1 General information

Dear Customer,

We would like to thank you for your confidence you have put in us by purchasing our high-quality product.

Please read this installation, operating and maintenance instruction carefully to become acquainted with the installation and use of this security door locking system and to avoid malfunctions and safety hazards.

VdS

Acceptance class A for autoLock AV2, “Acceptance-No.: M 105301”
Acceptance class B for autoLock AV3, “Acceptance-No.: M 113345”

1.2 Intended use

The automatic locking system with motor operated opening and the Winkhaus components recommended are suitable for the following areas of application:

- relative air humidity of max. 95%
- ambient air temperature of between - 20°C and + 60°C.

The described components/motor housings are suitable for motor extension of the autoLock AV3 (also for autoLock AV2) up to blueMatic EAV3 (blueMatic EAV2).

The complete door fittings are designed to be used in conjunction with genuine Winkhaus parts. Other parts which are not recommended by Winkhaus can adversely affect the default properties of this locking system. It is assumed that the lock will be used as intended. The proper functions of the access control systems and the accessories included in the scope of delivery of the Winkhaus company have been tested. If you use components made by other companies and if you have any doubts about the suitability of these components, you will have to contact the respective manufacturer to ensure their fitness for use.

To ensure the intended use:

- the information and instructions required for this purpose have to be passed on to the respective persons;
- only trained professionals should install the door fittings, locking units and accessories according to the installation instructions. DIN standards, which may also apply are to be followed, also.

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

- installed according to their defined function and the installation specifications,
- not used in any other way than described,
- maintained and cared for at regular intervals as instructed, and/or defined sliding places oil at least 1 x annually (like e.g. chamfer of latch ...) if necessary more frequently,
- not used if signs of wear are detected,
- repaired by trained professionals in the event of malfunctions.

The supplier/manufacturer does not accept any liability for personal injury or material damage caused by incorrect operation or improper use.

1.3 Use contrary to the intended purpose

The locking systems are not designed to absorb or compensate for any movement changes or in the closing mechanism of the door caused by changes in temperature or in the structure of the building.
Doors which are used in damp rooms and in environments with aggressive corrosion related air conditions require special door furniture.

Incorrect use of the locking systems is evident if:

- the instructions on the intended use are not being followed;
- the problem-free operation is hindered due to the installation of external items that are not suitable or block the external outside function, the locking system or within the center keep;
- the locking system or the center keep is manipulated in such a way that its 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 additional opening and closing equipment or the thrown deadbolt are improperly used in order to keep the door open;
- force is used to drive the handle pin through the lock spindle;
- the locking components are wrongly installed or are tampered with, e.g. by painting over movable parts such as the lock deadbolt or latch;
- the locking system is subject to loads which exceed normal manual force and are transmitted via the cylinder key;
- perform a manual or mechanical locking or unlocking during the motor is working;
- the handle is not loaded in the normal sense of rotation or a a force above 150 N is applied onto the handle in the direction of actuation;
- the gap between the door frame and sash is increased or decreased, which would for instance result from readjusting the hinges or if the door drops;
- auxiliary lifting tools or objects are used to open or close the lock;
- the handle and the key are actuated simultaneously;
- the lock is locked/unlocked by using improper tools or equipment;
- Incorrect input values are applied in contravention of the Technical specifications.

1.4 Explanation of symbols

Symbols and 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 follow the measures listed to avoid hazard to safety!

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 this security lock. You must heed to the safety information provided without exceptions!

- Read the operating manual and keep it easily accessible for future reference. After installing the door pass it on to the end customer.
- 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 affect the given properties of the security lock.
- It must be ensured that the door can be closed without any difficulties with the key.
- Installation/Repair of electrical equipment requires expertise, thus such work should only be carried out by a qualified 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 locking system as stipulated within the bounds of statutory regulations, if the manufacturer himself or another instructed, authorized agent has carried out the maintenance and service work or made the changes.
- Winkhaus shall not be liable for any type of damage caused by inadequate repair or changes made.

1.6 Abbreviations/Explanations

The following terms and abbreviations are used in this manual:

STV	Security door lock
AV2	autoLock AV2 (Automatic locking system) 2. generation
AV3	autoLock AV3 (Automatic locking system) 3. generation
EAV	blueMatic EAV (Automatic locking system with motor operated opening)
Handle	Door handle
Grt.	Set
SB FRA	Center keeps – latch/deadbolt/adjustment plate
M2	with 2 hooks
RS	DIN-right-handed
LS	DIN-left-handed
MC	Surface matt chrome-plated
EST	stainless steel
GR	grey powder coated
Reader	Reader unit/control unit of the transponder set
AC	Alternating current
DC	Direct current
NO	Make contact
NC	Break contact
NO-NC	Changer contact
ANT/GND	Auxiliary antenna/Ground
UP-socket	Flush-type box
LED	Light emitting diode
PE	Ground wire
N	Neutral wire
L	Phase

2 Product description

The blueMatic EAV (automatic locking system with motor operated opening) is a state-of-the-art locking unit for securing and locking entry doors in a contact-free manner. The hooks can be retracted electrically so as to open the door.

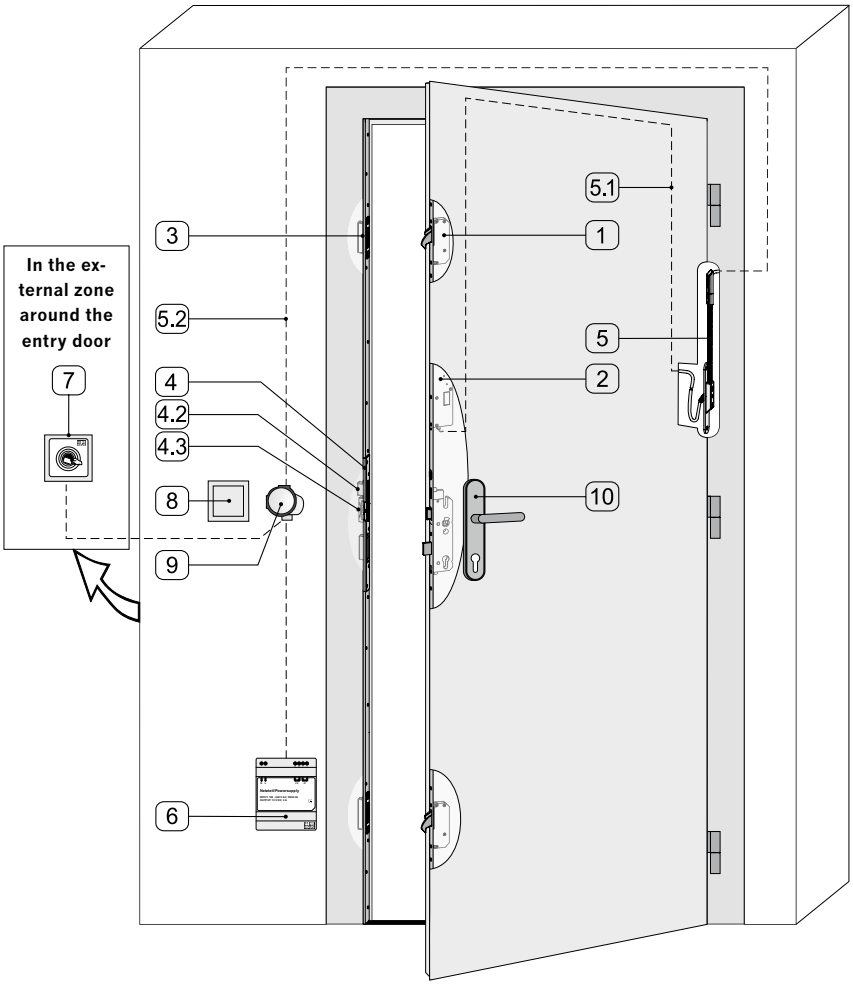
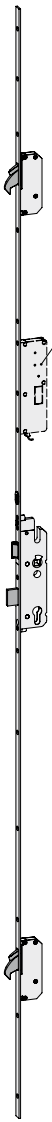


Figure 2-1: blueMatic EAV with accessories and magnetic trigger

No.	Name	Included in standard delivery of the security lock	MUST! Mandatory*	Available as an accessory or as an option	Supplied by customer/not included in standard delivery
1	autoLock AV3 (Automatic locking system STV-AV3-...)	X	X		
2	Motor housing		X	X	
3	Keep rail/extension keep set/ single keeps		X	X	
4	Center keep STV-SB FRA ... AV ...		X	X	
4.2	Magnetic trigger			X	
4.3	Daytime latch “TaFa”			X	
5	Cable transition (KÜ-T1-STV)		X	X	
5.1	Cable at the sash side 2 m [2.187 yd] or 3.5 m [3.829 yd] long, plug for motor housing included				
5.2	Cable for the frame side 4 m [4.374 yd] long				
6	Power supply 12 V DC/2 A			X	
7	Access control system (shown: antenna of the transponder set) **NOTICE! Only install the antenna of the transponder set in the external zone around the entry door!**			X	
8	“Open” button				X
9	Flush-type box				X
10	Handle				X

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

1 autoLock AV3 Automatic locking system



The autoLock AV3 from Winkhaus is an automatic multipoint locking system with independently acting hooks for claw action and sealing elements for a dynamic contact pressure.

Part Description	DIN right	DIN left
STV-AV3-F1660 L79/35 92/8 M2 RS/LS MC	500 544 6	500 544 5
STV-AV3-F1660 L79/35 92/8 M2 RS/LS PAL MC	500 544 8	500 544 7
STV-AV3-F1660 L79/35 94/8 KABA M2 RS/LS MC	502 244 4	502 244 5
STV-AV3-F1660 L79/40 92/8 M2 RS/LS MC	500 546 6	500 546 5
STV-AV3-F1660 L79/40 92/8 M2 RS/LS GR	501 726 1	501 726 2
STV-AV3-F1660 L79/40 92/8 M2K RS/LS MC	500 546 8	500 546 7
STV-AV3-F1660 L79/45 92/8 M2 RS/LS MC	500 547 2	500 547 1
STV-AV3-F1660 L79/45 92/8 M2 RS/LS GR	501 428 6	501 428 5
STV-AV3-F1660 L79/45 92/8 M2K RS/LS MC	501 871 6	501 871 5
STV-AV3-F1660 L79/45 94/8 KABA M2 RS/LS MC	500 886 4	500 886 3
STV-AV3-F1660 L79/45 92/10 M2 RS/LS MC	500 547 0	500 546 9
STV-AV3-F1660 L79/45 92/10 M2 RS/LS GR	501 495 6	501 495 7
STV-AV3-F1660 L79/50 92/8 M2 RS/LS MC	501 001 3	501 001 4
STV-AV3-F1660 L79/50 94/8 KABA M2 RS/LS MC	501 674 8	501 674 9
STV-AV3-F1660 L79/50 92/10 M2 RS/LS MC	500 783 7	500 783 6
STV-AV3-F1660 L79/50 94/10 KABA M2 RS/LS MC	501 496 0	501 496 1
STV-AV3-F1660 L79/55 92/8 M2 RS/LS MC	500 547 4	500 547 3
STV-AV3-F1660 L79/55 94/8 KABA M2 RS/LS MC	502 244 8	502 245 0
STV-AV3-F1660 L79/55 92/10 M2 RS/LS MC	501 487 5	501 487 4
STV-AV3-F1660 L79/65 92/8 M2 RS/LS MC	500 547 7	500 547 6
STV-AV3-F1660 L79/65 94/8 KABA M2 RS/LS MC	500 937 1	500 937 0
STV-AV3-F1660 L79/65 92/10 M2 RS/LS MC	500 783 5	500 783 3
STV-LA AV3-F1660 L79/80 94/8 KABA M2 RS/LS MC	500 937 3	500 937 2
STV-AV3-F1662 L79/35 92/8 M2 RS/LS MC	501 493 5	501 493 6
STV-AV3-F1662 L79/35 92/8 M2 RS/LS PAL MC	500 606 8	500 606 7
STV-AV3-F1662 L79/35 94/8 KABA M2 RS/LS MC	502 244 6	502 244 7
STV-AV3-F1662 L79/40 92/8 M2 RS/LS MC	501 480 6	501 480 7
STV-AV3-F1662 L79/40 92/8 M2 RS/LS GR	501 726 3	501 726 4
STV-AV3-F1662 L79/40 92/10 M2 RS/LS MC	501 487 0	501 487 1
STV-AV3-F1662 L79/45 92/8 M2 RS/LS MC	500 790 6	500 790 5
STV-AV3-F1662 L79/45 92/8 M2 RS/LS GR	501 428 8	501 428 7
STV-AV3-F1662 L79/45 94/8 KABA M2 RS/LS MC	501 174 9	501 174 8
STV-AV3-F1662 L79/45 92/10 M2 RS/LS MC	500 790 4	500 790 3
STV-AV3-F1662 L79/50 92/8 M2 RS/LS MC	501 001 5	501 001 6

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Part Description	DIN right	DIN left
STV-AV3-F1662 L79/50 94/8 KABA M2 RS/LS MC	501 675 2	501 675 3
STV-AV3-F1662 L79/55 92/8 M2 RS/LS MC	501 494 1	501 494 2
STV-AV3-F1662 L79/55 94/8 KABA M2 RS/LS MC	502 245 1	502 245 2
STV-AV3-F1662 L79/65 94/8 KABA M2 RS/LS MC	501 675 0	501 675 1
STV-AV3-F16162 L79/40 92/8 M2 RS/LS MC	502 584 0	502 584 2
STV-AV3-F16162 L79/45 92/8 M2 RS/LS MC	501 068 9	501 068 8
STV-AV3-F1669 L79/35 92/8 M2 RS/LS MC	500 789 8	500 789 7
STV-AV3-F1669 L79/40 92/8 M2 RS/LS MC	500 790 0	500 789 9
STV-AV3-F1669 L79/40 92/8 M2 RS/LS GR	501 726 5	501 726 6
STV-AV3-F1669 L79/45 92/8 M2 RS/LS MC	500 613 6	500 613 5
STV-AV3-F1669 L79/45 92/8 M2 RS/LS GR	501 437 2	501 437 1
STV-AV3-F1669 L79/45 92/8 M2K RS/LS MC	501 871 7	501 871 8
STV-AV3-F1669 L79/45 94/8 KABA M2 RS/LS MC	501 174 7	501 174 6
STV-AV3-F1669 L79/45 92/10 M2 RS/LS MC	500 790 2	500 790 1
STV-AV3-F1669 L79/50 92/8 M2 RS/LS MC	501 001 7	501 001 8
STV-AV3-F1669 L79/50 94/8 KABA M2 RS/LS MC	501 675 7	501 675 6
STV-AV3-F1669 L79/55 92/8 M2 RS/LS MC	500 789 4	500 789 2
STV-AV3-F1669 L79/65 92/8 M2 RS/LS MC	500 789 6	500 789 5
STV-AV3-F1669 L79/65 94/8 KABA M2 RS/LS MC	501 675 5	501 675 4
STV-AV3-F167769 L79/35 92/8 M2 RS/LS MC	502 531 1	502 531 3
STV-AV3-F167769 L79/40 92/8 M2 RS/LS GR	502 606 7	502 606 8
STV-AV3-F167769 L79/45 92/10 M2 RS/LS GR	500 811 6	500 811 5
STV-AV3-F167769 L79/55 92/10 M2 RS/LS MC	502 056 2	502 056 3
STV-AV3-F2060 L79/35 92/8 M2 RS/LS MC	500 784 0	500 783 9
STV-AV3-F2060 L79/40 92/8 M2 RS/LS MC	501 486 5	501 486 4
STV-AV3-F2060 L79/45 92/8 M2 RS/LS MC	500 608 0	500 607 9
STV-AV3-F2060 L79/45 94/8 KABA M2 RS/LS MC	501 131 4	501 131 3
STV-AV3-F2060 L79/45 92/10 M2 RS/LS MC	501 484 8	501 484 9
STV-AV3-F2060 L79/50 92/8 M2 RS/LS MC	501 484 1	501 484 2
STV-AV3-F2060 L79/55 92/8 M2 RS/LS MC	500 608 3	500 608 2
STV-AV3-F2060 L79/55 92/8 M2 RS/LS GR	500 609 6	500 609 5
STV-AV3-F2060 L79/55 92A/8 M2 RS/LS GR	500 898 8	500 898 9
STV-AV3-F2060 L79/55 94/8 KABA M2 RS/LS MC	501 728 3	501 728 4
STV-AV3-F2060 L79/55 92/10 M2 RS/LS MC	501 486 9	501 486 8
STV-AV3-F2060 L79/60 92/10 M2 RS/LS MC	500 610 3	500 610 1
STV-AV3-F2060 L79/60 92/10 M2 RS/LS GR	501 484 6	501 484 7
STV-AV3-F2060 L79/65 92/8 M2 RS/LS MC	501 486 3	501 486 2
STV-AV3-F2060 L79/65 92/8 M2 RS/LS GR	501 940 5	501 940 6
STV-AV3-F2060 L79/65 94/8 KABA M2 RS/LS MC	501 675 9	501 675 8

1 autoLock AV3 Automatic locking system

Part Description	DIN right	DIN left
STV-AV3-F2060 L79/65 92/10 M2 RS/LS MC	500 610 6	500 610 5
STV-AV3-F2060 L79/65 92/10 M2 RS/LS GR	501 230 7	501 230 6
STV-AV3-F2060 L79/80 94/8 KABA M2 RS/LS MC	501 728 5	501 728 6
STV-AV3-F2060 L79/80 92/10 M2 RS/LS MC	500 610 8	500 610 7
STV-AV3-F2060 L79/80 92/10 M2 RS/LS GR	501 230 5	501 230 4
STV-AV3-F2062 L79/45 92/8 M2 RS/LS MC	501 440 0	501 436 8
STV-AV3-F2062 L79/55 92/8 M2 RS/LS MC	501 548 4	501 548 3
STV-AV3-F2062 L79/55 92/8 M2 RS/LS GR	502 010 5	502 010 6
STV-AV3-F2062 L79/55 94/8 KABA M2 RS/LS MC	501 724 7	501 724 8
STV-AV3-F2062 L79/55 92/10 M2 RS/LS MC	501 482 2	501 482 3
STV-AV3-F2062 L79/65 94/8 KABA M2 RS/LS MC	501 730 0	501 730 1
STV-AV3-F2062 L79/65 92/10 M2 RS/LS MC	501 495 8	501 495 9
STV-AV3-F2062 L79/80 94/8 KABA M2 RS/LS MC	501 730 2	501 730 3
STV-AV3-F2069 L79/45 92/8 M2 RS/LS MC	500 799 9	500 799 8
STV-AV3-F2069 L79/55 94/8 KABA M2 RS/LS MC	501 730 4	501 730 5
STV-AV3-F2069 L79/55 92/8 M2 RS/LS MC	500 800 1	500 800 0
STV-AV3-F2069 L79/60 92/10 M2 RS/LS MC	500 800 3	500 800 2
STV-AV3-F2069 L79/65 94/8 KABA M2 RS/LS MC	501 730 7	501 730 8
STV-AV3-F2069 L79/65 92/10 M2 RS/LS MC	500 801 0	500 800 9
STV-AV3-F2069 L79/65 92/10 M2 RS/LS WS	500 800 8	500 800 7
STV-AV3-F2069 L79/65 92/10 M2 RS/LS GR	500 800 6	500 800 4
STV-AV3-F2069 L79/80 94/8 KABA M2 RS/LS MC	501 732 1	501 732 2
STV-AV3-F2070 L79/35 92/8 M2 RS/LS MC	500 818 9	500 818 8
STV-AV3-F2070 L79/45 92/8 M2 RS/LS MC	500 818 5	500 818 4
STV-AV3-F2070 L79/55 92/8 M2 RS/LS MC	500 818 7	500 818 6
STV-AV3-F2070 L79/55 92A/8 M2 RS/LS GR	502 010 3	502 010 4
STV-AV3-F2070 L79/55 92/10 M2 RS/LS MC	501 495 2	501 495 3
STV-AV3-F2070 L79/65 94/8 KABA M2 RS/LS MC	502 423 5	502 423 7
STV-AV3-F2070 L79/65 92/10 M2 RS/LS MC	500 611 9	500 611 8
STV-AV3-F2460 L79/35 92/8 M2 RS/LS MC	500 613 3	500 613 2
STV-AV3-F2460 L79/35 92/8 M2 RS/LS EST	502 031 6	502 031 7
STV-AV3-F2460 L79/35 92/8 M2 RS/LS GR	500 613 1	500 613 0
STV-AV3-F2460 L79/40 92/8 M2 RS/LS MC	500 784 4	500 784 3
STV-AV3-F2460 L79/45 92/8 M2 RS/LS MC	500 784 9	500 784 7
STV-AV3-F2460 L79/45 94/8 KABA M2 RS/LS MC	501 150 5	501 150 4
STV-AV3-F2460 L79/45 92/10 M2 RS/LS MC	500 784 6	500 784 5
STV-AV3-F2460 L79/50 92/8 M2 RS/LS MC	501 493 9	501 494 0
STV-AV3-F2460 L79/60 92/8 M2 RS/LS EST	501 497 0	501 497 1
STV-AV3-F2460 L79/65 92/8 M2 RS/LS MC	501 488 1	501 488 0

1 autoLock AV3 Automatic locking system

Part Description	DIN right	DIN left
STV-AV3-F2462 L79/35 92/8 M2 RS/LS MC	501 548 6	501 548 5
STV-LB AV3-F2462 L79/35 92/8 M2 RS/LS EST	502 031 4	502 031 5
STV-AV3-F2462 L79/40 92/8 M2 RS/LS MC	501 493 7	501 493 8
STV-AV3-F2462 L79/45 92/8 M2 RS/LS MC	501 443 3	501 443 2
STV-AV3-F2462 L79/45 92/10 M2 RS/LS MC	501 443 5	501 443 4
STV-AV3-F2469 L79/35 92/8 M2 RS/LS MC	500 802 1	500 802 0
STV-AV3-F2469 L79/35 92/8 M2 RS/LS GR	500 801 9	500 801 8
STV-AV3-F2469 L79/45 92/8 M2 RS/LS MC	501 446 5	501 446 4
STV-AV3-F2469 L79/45 92/10 M2 RS/LS MC	500 802 3	500 802 2
STV-AV3-U22116 L79/34 92/8 M2 RS/LS GR	500 806 4	500 806 3
STV-AV3-U22116 L79/35 92/8 M2 RS/LS GR	501 488 9	501 490 0
STV-AV3-U22117 L79/35 92/8 M2 RS/LS GR	501 490 3	501 490 4
STV-AV3-U2293 L79/35 92/8 M2 RS/LS MC	501 493 1	501 493 2
STV-AV3-U2293 L79/35 92/8 M2 RS/LS GR	500 802 6	500 802 5
STV-AV3-U2293 L79/45 92/8 M2 RS/LS GR	500 806 6	500 806 5
STV-LB AV3-U2294 L79/45 92/8 M2 RS/LS GR	501 319 9	501 319 8
STV-AV3-U24184 L79/45 92/8 M2 RS/LS MC	500 754 9	500 755 1
STV-AV3-U24184 L79/45 92/8 M2 RS/LS GR	502 392 6	502 392 7
STV-AV3-U24184 L79/55 92/8 M2 RS/LS GR	502 686 7	502 686 8
STV-LD AV3 U2418469 L79/40 92A/8 M2 RS/LS EST	501 739 5	501 739 4
STV-LD AV3 U2418469 L79/45 92A/8 M2 RS/LS EST	501 739 3	501 739 2
STV-AV3-U24185 L79/34 92/8 M2 RS/LS MC	500 613 8	500 613 7
STV-AV3-U24185 L79/44 92/8 M2 RS/LS MC	500 614 1	500 614 0
STV-AV3-U24185 L03/54 92/8 M2 RS/LS MC	502 052 8	502 052 9
STV-LB AV3 U2418569 L79/34 92/8 M2 RS/LS MC	502 430 5	502 430 6
STV-AV3-U24385 L79/34 92/8 M2 RS2 MC	501 320 5	
STV-AV3-U24385 L79/34 92/8 M2 LS1 MC		501 320 4
STV-AV3-U2460 L79/35 92/8 M2 RS/LS MC	500 615 2	500 615 1
STV-AV3-U2460 L79/35 92/8 M2 RS/LS GR	500 615 0	500 614 9
STV-AV3-U2460 L79/35 92/8 M2 RS/LS EST	500 614 6	500 614 5
STV-AV3-U2460 L79/35 94/8 KABA M2 RS/LS MC	502 110 8	502 110 9
STV-AV3-U2460 L79/40 92/8 M2 RS/LS MC	501 486 0	501 486 1
STV-AV3-U2460 L79/40 92/8 M2 RS/LS EST	500 615 4	500 615 3
STV-AV3-U2460 L79/40 A 92/8 M2 RS/LS EST	501 042 0	501 001 9
STV-AV3-U2460 L79/45 92/8 M2 RS/LS MC	500 615 6	500 615 5
STV-AV3-U2460 L79/45 92/8 M2 RS/LS GR	501 150 0	501 150 1
STV-AV3-U2460 L79/45 92/8 M2 RS/LS EST	500 886 6	500 886 5
STV-AV3-U2460 L79/45 A 92/8 M2 RS/LS EST	501 042 4	501 042 1
STV-LD AV3-U2460 L79/45 94/8 KABA M2 RS/LS MC	500 997 1	500 997 2

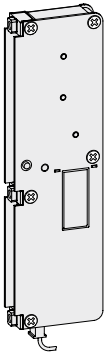
1 autoLock AV3 Automatic locking system

Part Description	DIN right	DIN left
STV-AV3-U2460 L79/45 92/10 M2 RS/LS MC	500 806 9	500 806 7
STV-AV3-U2460 L79/50 92/8 M2 RS/LS MC	500 616 1	500 616 0
STV-AV3-U2460 L79/50 92/8 M2 RS/LS GR	500 732 7	500 732 5
STV-AV3-U2460 L79/50 92/8 M2 RS/LS EST	501 487 2	501 487 3
STV-AV3-U2460 L79/50A1 92/8 M2 RS/LS MC	502 447 2	502 447 3
STV-AV3-U2460 L79/50 94/8 KABA M2 RS/LS MC	500 997 3	500 997 4
STV-AV3-U2460 L79/50 92/10 M2 RS/LS MC	502 294 7	502 294 8
STV-AV3-U2460 L79/55 92/8 M2 RS/LS MC	502 013 1	502 013 2
STV-AV3-U2460 L79/55 92/8 M2 RS/LS GR	500 622 9	500 622 8
STV-AV3-U2460 L79/55 92/10 M2 RS/LS MC	501 491 1	501 491 2
STV-AV3-U2460 L79/60 92/8 M2 RS/LS MC	501 484 4	501 484 5
STV-AV3-U2460 L79/65 92/8 M2 RS/LS MC	501 486 6	501 486 7
STV-LA AV3-U24162 L79/45 94/8 KABA M2 RS/LS MC	501 069 2	501 069 0
STV-AV3-U24162 L79/50 92/8 M2 RS/LS GR	501 594 8	501 597 0
STV-AV3-U24162 L79/50 94/8 KABA M2 RS/LS MC	501 069 4	501 069 3
STV-AV3-U2462 L79/35 92/8 M2 RS/LS MC	501 140 3	501 140 2
STV-AV3-U2462 L79/35 92/8 M2 RS/LS GR	502 316 8	502 316 9
STV-AV3-U2462 L79/35 94/8 KABA M2 RS/LS MC	502 116 0	502 116 1
STV-AV3-U2462 L79/45 92/8 M2 RS/LS MC	500 819 1	500 819 0
STV-AV3-U2462 L79/45 92/8 M2 RS/LS GR	501 725 7	501 725 8
STV-AV3-U2462 L79/45 92/10 M2 RS/LS MC	502 300 3	502 300 4
STV-LA AV3-U2462 L79/45 94/8 KABA M2 RS/LS MC	500 997 5	500 997 6
STV-AV3-U2462 L79/50 92/8 M2 RS/LS MC	500 937 5	500 937 4
STV-AV3-U2462 L79/50 92/8 M2 RS/LS GR	501 597 4	501 597 5
STV-AV3-U2462 L79/50 94/8 KABA M2 RS/LS MC	500 997 7	500 997 8
STV-AV3-U2462 L79/50 92/10 M2 RS/LS MC	502 294 9	502 300 0
STV-AV3-U2462 L79/55 92/8 M2 RS/LS MC	502 068 7	502 068 8
STV-AV3-U2462 L79/55 92/8 M2 RS/LS GR	502 317 5	502 317 6
STV-AV3-U2469 L79/35 92/8 M2 RS/LS MC	500 803 0	500 802 9
STV-AV3-U2469 L79/35 92/8 M2 RS/LS GR	500 802 8	500 802 4
STV-AV3-U2469 L79/35 94/8 KABA M2 RS/LS MC	502 116 2	502 116 3
STV-AV3-U2469 L79/45 92/8 M2 RS/LS MC	500 807 6	500 807 5
STV-AV3-U2469 L79/45 92/8 M2 RS/LS GR	501 725 9	501 726 0
STV-AV3-U2469 L79/45 92/10 M2 RS/LS MC	502 300 5	502 300 6
STV-AV3-U2469 L79/45 92/8 M2 RS/LS/LS MC	500 807 6	500 807 5
STV-AV3-U2469 L79/45 92/8 M2 RS/LS/LS GR	501 725 9	501 726 0
STV-LA AV3-U2469 L79/45 94/8 KABA M2 RS/LS MC	500 997 9	500 998 0
STV-AV3-U2469 L79/45 92/10 M2 RS/LS/LS MC	502 300 5	502 300 6
STV-AV3-U2469 L79/50 92/8 M2 RS/LS MC	500 807 8	500 807 7

1 autoLock AV3 Automatic locking system

Part Description	DIN right	DIN left
STV-AV3-U2469 L79/50 92/8 M2 RS/LS GR	501 597 9	501 605 0
STV-AV3-U2469 L79/50 94/8 KABA M2 RS/LS MC	500 998 1	500 998 2
STV-AV3-U2469 L79/50 92/10 M2 RS/LS MC	502 300 1	502 300 2
STV-AV3-U2469 L79/55 92/8 M2 RS/LS MC	502 013 3	502 013 4
STV-AV3-U2469 L79/55 92/8 M2 RS/LS GR	502 317 8	502 317 9
STV-AV3-U2471 L79/35 92/8 M2 RS/LS MC	500 807 1	500 807 0
STV-AV3-U2471 L79/35 92/8 M2 RS/LS GR	500 620 4	500 620 3
STV-AV3-U2471 L79/35 92/8 M2 RS/LS EST	501 487 7	501 487 8
STV-AV3-U2471 L79/35 94/8 KABA M2 RS/LS MC	501 495 0	501 495 1
STV-AV3-U2471 L79/40 92/8 M2 RS/LS MC	502 320 6	502 320 7
STV-AV3-U2471 L79/45 92/8 M2 RS/LS MC	501 488 4	501 488 5
STV-AV3-U2471 L79/45 92/8 M2 RS/LS GR	500 620 7	500 620 6
STV-AV3-U2471 L79/45 94/8 KABA M2 RS/LS MC	502 392 0	502 392 1
STV-AV3-U2471 L79/55 92/8 M2 RS/LS MC	500 807 3	500 807 2
STV-AV3-U2471 L79/65 92/8 M2 RS/LS MC	501 488 3	501 488 2
STV-AV3-U2471 L79/65 92/8 M2 RS/LS EST	501 488 6	501 488 7
STV-AV3-U247169 L79/35 92/8 M2 RS/LS GR	500 811 8	500 811 7
STV-AV3-U247169 L79/35 94/8 KABA M2 RSMC	501 507 2	501 507 3
STV-AV3-U247169 L79/55 92/8 M2 RS/LS MC	500 818 0	500 811 9
STV-AV3-U2480 L79/45 92/10 M2 RS/LS MC	500 819 3	500 819 2
STV-AV3-U2480 L79/45 94/10 KABA M2 RS/LS MC	501 496 2	501 496 3
STV-AV3-U2480 L79/50 92/8 M2 RS/LS MC	501 550 6	501 550 5
STV-AV3-U2480 L79/50 92/8 M2 RS/LS GR	501 496 4	501 496 5
STV-AV3-U2488 L79/35 92/8 M2 RS/LS MC	501 494 6	501 494 7
STV-AV3-U2488 L79/35 92/8 M2 RS/LS GR	501 491 8	501 493 0
STV-AV3-U2488 L79/35 94/8 KABA M2 RS/LS MC	501 507 0	501 507 1

2 Motor housing



Motor housing for powered unlocking, including control, but without cable

- for transponder or wireless remote control
- switching unit for swing door opener via floating contact
- available mounted or separate

Motor housings are suitable for motor extension of the autoLock AV3 (also for autoLock AV2) up to blueMatic EAV3 (blueMatic EAV2).

STV-MOTOR HOUSING EAV3 BL [1]	500 932 0
STV-G3 MOTOR HOUSING EAV3 MOUNTED BL [2]	500 932 3
STV-MOTOR HOUSING EAV3 (SWING DOOR OPENER) BL [1] [3]	500 932 4
STV-G3 MOTOR HOUSING EAV3 (SWING DOOR OPENER) MOUNTED BL [2] [3]	500 932 5

[1] to retrofit simply screw to the autoLock AV2 (automatic locking system)
CAUTION! Pay attention to left-handed thread!

[2] if an autoLock AV2 + motor housing EAV, mounted, are simultaneously ordered ➜ supply of the locking system will have the mounted motor housing

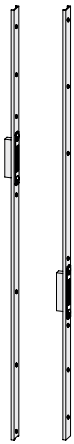
[3] incl. signal (floating contact) for swing door opener

NOTICE!

Please observe the following instructions when using a swing door opener:

- **Ensure that the motor can open the closing leaf at any time.**
- **After unlocking, the control unit sends a signal to the swing door opener which must them open out immediately.**
- **If the automatic door drive is triggered at another point of time, malfunctions can be caused.**
- **If the main hook is unlocked manually, the door may not be actuated electrically.**

3 Keep rail/extension keep set/single keeps



Select the corresponding standard frame parts in the current program manual (keep rail/single keeps/alternatively extension keep set):

Program Manual Timber/PVC/ALU	493 476 7
Program Overview keep Timber	Group 2
Program Overview keep PVCu/Vinyl	Group 2
Program Overview keep Aluminum	Group 2

Example: profile INOUTIC system Prestige ➜ extension keep set STV-Grt. SL U26-192
When ordering always indicate the DIN direction RS or LS.

4 Center keep FRA ... AV ...

Center keep for latch and deadbolt for retrofitting of magnetic trigger and daytime latch. Designed for use with PVCu, Aluminum and Timber/Composite entrance doors.

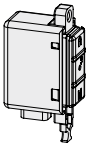
Select the respective keeps according to the profile systems in the current program manual (see program overview - group 2).

4.1 Center keep FRA ... AV3 ...

Center keep for latch and deadbolt with magnetic trigger and integrated daytime latch. Designed for use with PVCu, Aluminum and Timber/Composite entrance doors.

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

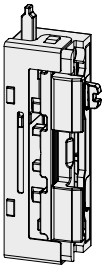
4.2 Magnetic trigger for center keep FRA ... AV ...



Contact-free magnetic release for autoLock AV3. Can be retrofitted in center keeps FRA ... AV ... with magnet hole.

STV-G1 MAGNETIC TRIGGER 13 MV AV3	500 911 1
STV-G1 MAGNETIC TRIGGER 13 UMV AV3	500 911 0
STV-G1 MAGNETIC TRIGGER 9 MV AV3	501 437 9
STV-G1 MAGNETIC TRIGGER 9 UMV AV3	500 910 9

4.3 Daytime latch “TaFa”



Fold-down daytime latch with mechanical adjustability by means of the blue Winkhaus lever.

Variants

a) Daytime latch for standard doors

STV-DAYTIME LATCH 9/91 TAFA FA RS	500 656 1
STV-DAYTIME LATCH 9/91 TAFA FA LS	500 656 2
STV-DAYTIME LATCH 10/9 TAFA FA RS	500 656 3
STV-DAYTIME LATCH 10/9 TAFA FA LS	500 656 4

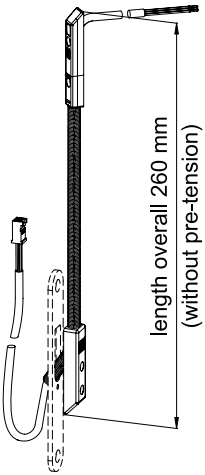
b) Daytime latch with “reinforced spring” for heavy-duty doors (in case of increased wind loads or pressure)

STV-DAYTIME LATCH 9/91 TAFA FA STARK RS	501 510 9
STV-DAYTIME LATCH 9/91 TAFA FA STARK LS	501 510 8
STV-DAYTIME LATCH 10/9 TAFA FA STARK RS	501 511 1
STV-DAYTIME LATCH 10/9 TAFA FA STARK LS	501 511 0

c) Latch plate (accessory/spare part)

STV-LATCH PLATE A-9/91 TAFA FA MC (standard)	501 139 3
STV-LATCH PLATE A-10/9 TAFA FA MC (less pressure)	501 139 2

5 Cable transition KÜ-T1-STV



Plug-in and concealed in cable transition

- Inserted by plug-in function with retaining screws (3 x 20 mm)
- Sash part for STV-KÜ-T1-STV-FL 2 m with cable of 2 m [2.187 yd] + plug for motor housing
- Sash part for STV-KÜ-T1-STV-FL 3.5 m with cable of 3.5 m [3.829 yd] + plug for motor housing
- Sash part for STV-SET KÜ-T1-integra-EAV FL 1 m with 1 m [1.094 yd] cable, end of the cable with 8-pole plug (for control unit ekey home integra)
- Sash part for STV-SET KÜ-T-INSIDE-EAV FL 4 m with 3,5 m [3.828 yd] cable + 5-pole plug for connection with Y-cable INSIDE EAV 0.5 m
- Frame part with 4 m cable and cable end sleeves [4.374 yd]
- 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 [0.433"] 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 F16/F20 (depends on the faceplate width) conceals the routing for the required cable reserves and to prevent possible cable damage.

STV-CABLE TRANSITION KÜ-T1-STV-FL 2 M [1)]	499 059 8
STV-CABLE TRANSITION KÜ-T1-STV-FL 3,5 M [2)]	499 059 9
STV-SET KÜ-T1-INTEGRA-EAV FL 1 M + CABLE 3 M [3)]	499 067 4
STV-SET KÜ-T1-INSIDE-EAV FL 4 M + CABLE 3 M [4)]	499 061 3
STV-COVER PLATE F16 FOR KÜ-T1-STV	499 067 0
STV-COVER PLATE F20 FOR KÜ-T1-STV	499 067 1

1) for use with EAV (if applicable BM), sash part 2 m cable + plug for motor housing

2) for use with EAV (if applicable BM), sash part 3.5 m cable + plug for motor housing

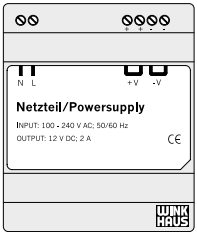
3) for use with EAV and fingerprint ekey home integra, sash part 3 m cable + 8-pole plug for control unit ekey home integra

4) for use with EAV and fingerprint IDENCOM BioKey INSIDE, sash part 3,5 m cable + 5-pole plug to contact Y-cable INSIDE EAV 0.5 m

NOTICE!

If no separable cable transition (e.g. STV-KÜ M1188) or no Winkhaus cable transition is used, then the STV-cable 6 m for motor housing (252 288 1) must be used.

6 Power supply



Power supply unit for blueMatic EAV: 100 - 240 V, 50/60 Hz, 12 V DC, 2 A, to be installed on a top hat mounting rail

STV-POWER SUPPLY 12 V DC/2 A	246 977 7

NOTICE!

Operation of a second EAV with the same power supply is not possible.

Suitable for additional appliance (e.g. fingerprint), but follow their power requirements (see the next notice).

CAUTION!

It is not allowed to load the power supply with more than 2 A when using EAV + access control system!

NOTICE!

Unless you are using a Winkhaus power supply unit, please keep in mind the following information:

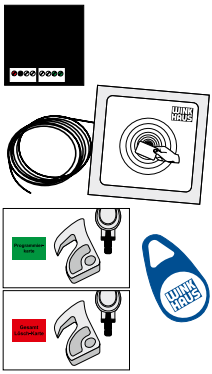
- **exclusively for blueMatic EAV**
  - **12 V DC (direct current), stabilized, min. 1,5 A**
- **raise the power by the need of the additional component (1,5 A + power of the additional component) when using EAV + access control system (e.g. fingerprint)**

7 Access control systems

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

NOTICE! VdS acceptance: Only with VdS-tested access control systems!

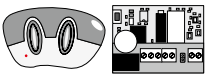
Transponderset EAV



- 1 reader/control unit (for flush-type box)
  - mounting of the reader on the inside
- 1 antenna for exposed installation (90 x 90 x 13 mm, [3.543 x 3.543 x 0.512"], color white), cable of 2.5 m [2.734 yd] fixed at the antenna
- 1 antenna sticker, weatherproof, resistant to UV light
  - mounting of the transponder antenna on the outside
- 3 transponder chips (blue chips are unprogrammed)
- 2 progamming cards transponder (programming card = green; delete-all card = red)

STV-TRANSPONDERSET T02 EAV	241 026 5

Wireless remote control set



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

STV-WIRELESS REMOTE CONTROL F02, DARK GREY, SET 3+1	241 027 3

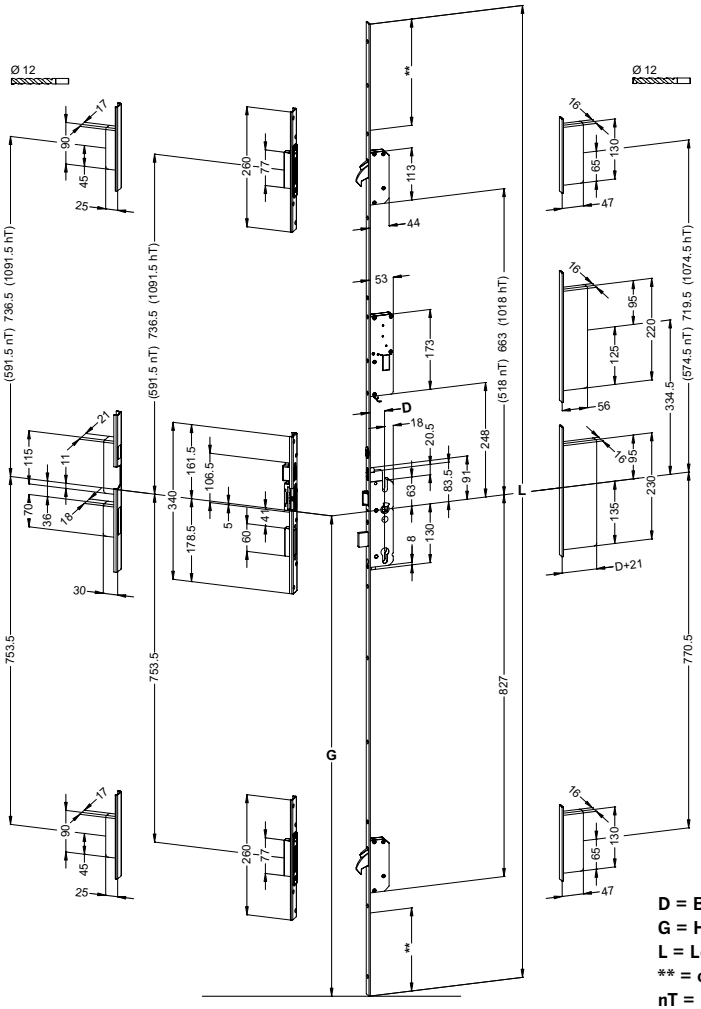
NOTICE!

You have to connect the following parts directly with the door opener when using/ connecting a door opener: varistor at AC/free-wheeling diode at DC.
Reason: Protection of the relay from wear.

3 Installation

3.1 Routing details

For installing the blueMatic EAV it is required to rout out for standard three-point locking system and additionally the motor housing, as shown in the following diagrams.



D = Backset
G = Handle position
L = Length
**** = croppable**
nT = low doors
hT = high doors

Figure 3.1-1: Dimensions for blueMatic EAV (dimensions in mm)

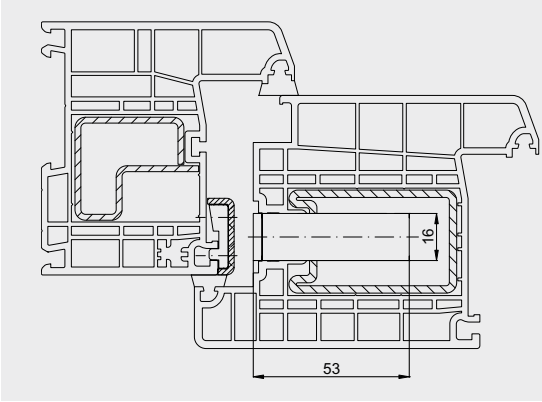


Figure 3.1-3: Location of the motor housing for blueMatic EAV (dimensions in mm)

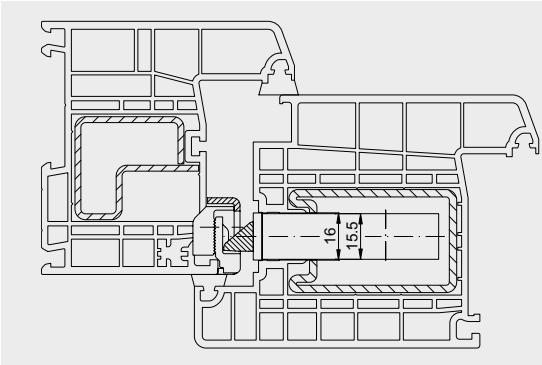


Figure 3.1-4: Location of the main lock housing for blueMatic EAV (dimensions in mm)

NOTICE!

a) The routing for the main lock housing must be 16 mm [0.630”] as minimum to provide for free motion of the drive rod! Check the door eurogroove for sprue so that the free motion of the rod is not impeded!

b) It is imperative to use always with a Lever/fixed pad handle set (lever inside, door knob outside).

3.2 Cable transition KÜ-T1-STV (plug-in)

Recommendation: It is recommended that the cover plate 2.1 F16/F20 (depends on the faceplate width) conceals the routing for the required cable reserves and to prevent possible cable damage.

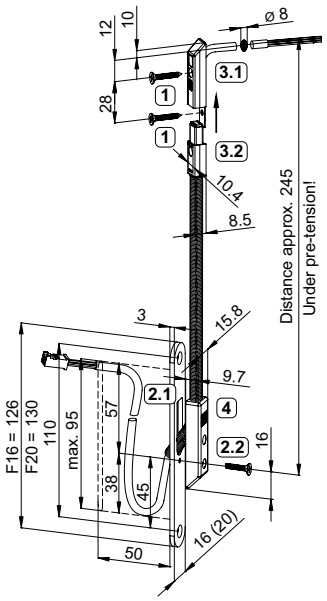


Figure 3.2-1: KÜ-T1-STV with cover plate F16/F20 (dimensions in mm)

- 1 Fitting screw (includet in delivery from cable transition)
- 2.1 Cover plate (length F16 = 126 mm/F20 = 130 mm)
- 2.2 Screw M3 x 12 (includet in delivery from cover plate)
- 3.1 Frame part A
- 3.2 Frame part B
- 4 Sash part

Installation sequence

Frame part A 3.1:

- Drill a hole with a Ø 8 mm through the door frame
- Pass the cable through the door frame (including cable reserves in frame!)
- Fasten the frame part A 3.1 with the fitting screw 1 Ø 3 x 20 mm

CAUTION! Screw fixing 1 max. diameter 3 mm

Sash part 4 with cover plate 2.1 (Figure 3.2-1):

- Mill slotted hole max. 95 mm and approx. 50 mm deep

Sash part 4 without cover plate (Figure 3.2-2):

- 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 1 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).

- Attach necessary drillings (Ø 13 mm) in the sash (e.g. in the glazing chamber)

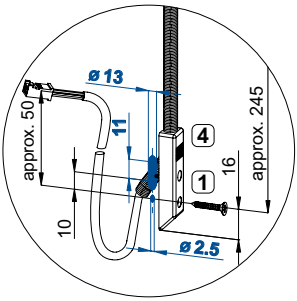


Figure 3.2-2: Detail KÜ-T1-STV without cover plate (dimensions in mm)

- Pass the cable with the plug for the motor through the door sash
- Insert the end of the spring into the sash part [4] into the drilling/routing into the door sash/ cover plate are.
- And/or alternatively to the cover plate [2.1] with screw M3 x 12 mm [2.2] fasten the sash part [4] 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.

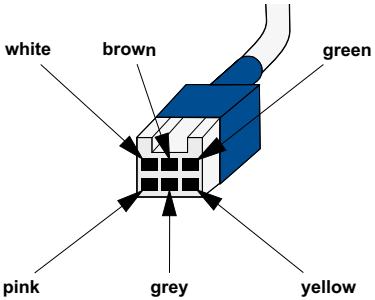
CAUTION!

Provide cable reserve of about 3 - 5 cm [1.181 - 1.969”] for the spring tension behind the sash part [4] of the cable transition.

- Complete the plug-in connection after putting the door on its hinges
- Fix the frame part B [3.2] with the fitting screw [1] Ø 3 x 20 mm

CAUTION!

Release the second retaining screw [1] (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 blueMatic EAV	necessary
white	+ 12 V DC	yes
brown	0 V (ground)	yes
green	release signal	yes
yellow	optional, for swing door opener	yes
grey	optional, for swing door opener	yes
pink	not assigned	no

Figure 3.2-3: Cable assignment when used with blueMatic EAV

Cover plate F16 or F20 for KÜ-T1-STV

For timber doors use the cover plate F16/F20, to hide the routering for the cable hole, and to prevent cable damage. The routing for this wire hole should be approx 50 x 95 mm [1.968 x 3.740”].

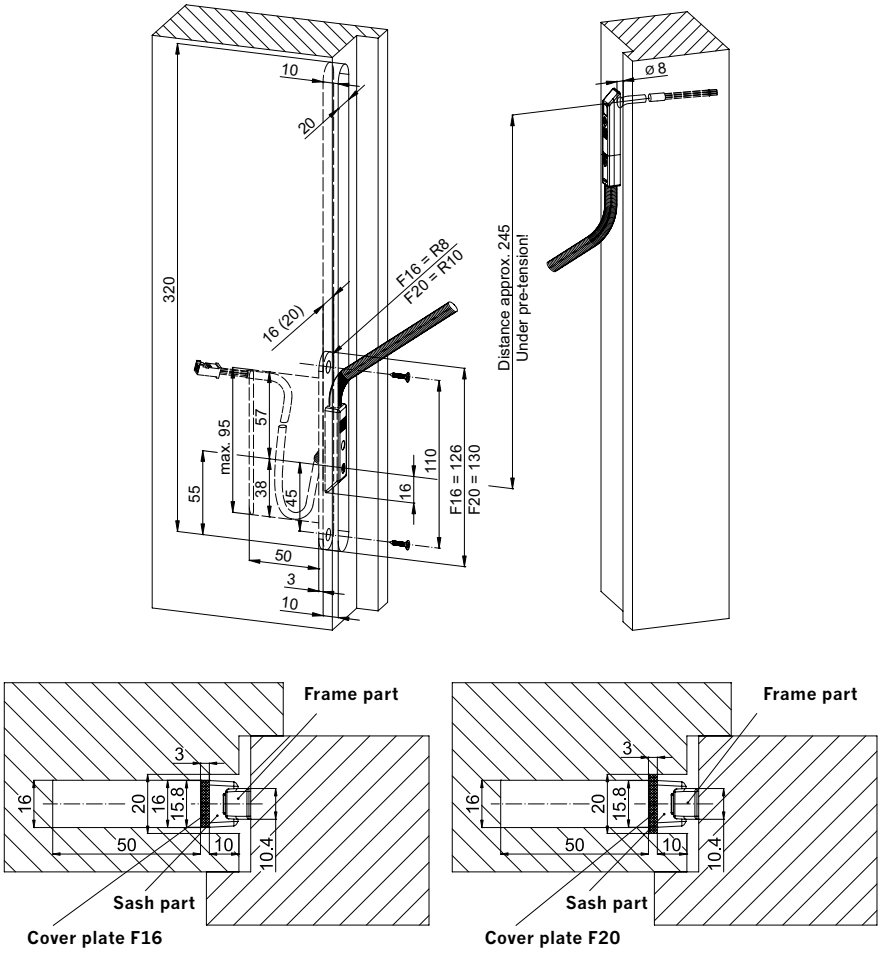


Figure 3.2-4: Routing dimensions for KÜ-T1-STV and cover plate F16 or F20 (dimensions in mm)

3.3 Installations

DANGER!

The installation of electrical equipment requires expertise, thus such work should only be carried out by qualified electricians.

DANGER!

Generally assemble and install only with the power off!

CAUTION!

The Door must easily lock mechanically before checking the electric function!
If you connect an intercom system take care that the button of this system is designed as a potential free contact! External voltage must not be transmitted from the intercom system to the lock!

If the operating voltage has been applied (start-up), the motor brings the locking points into the neutral position.

3.3.1 General connection diagram

Recommendation: flush-type box or junction box for cable connection

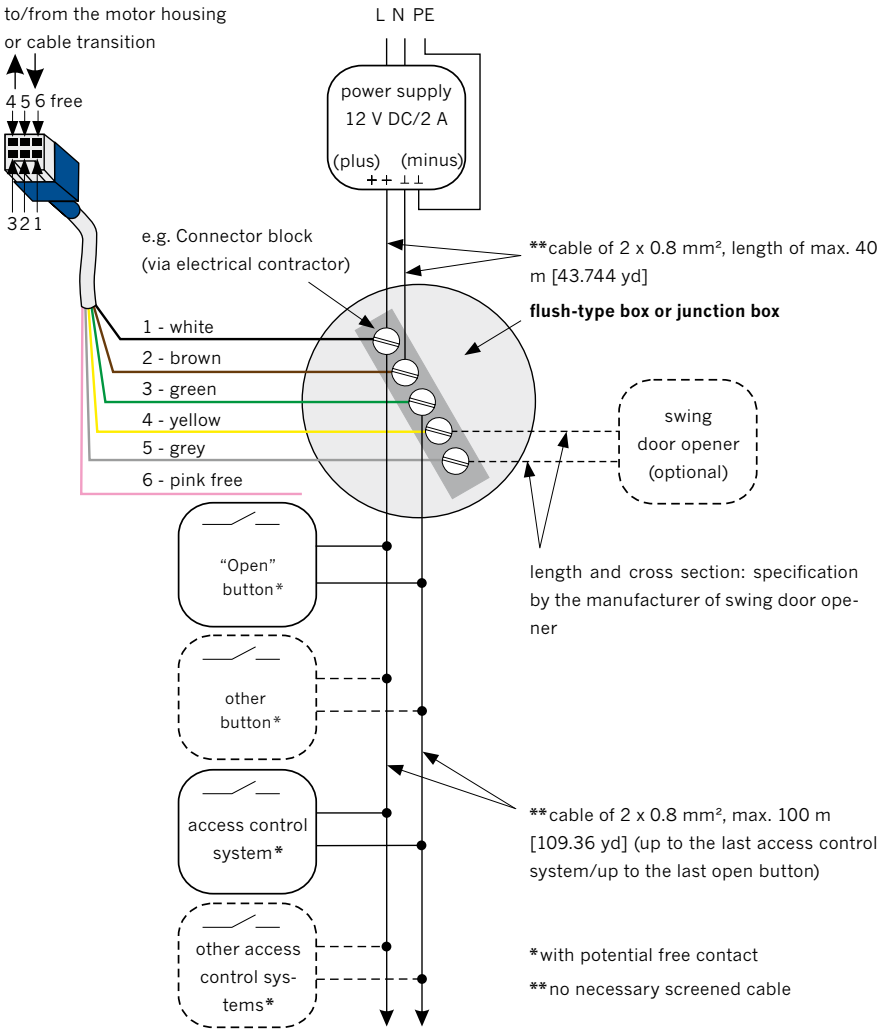


Figure 3.3.1-1: General connection diagram

3.4 Access control system transponder set

Prerequisites for installation:

- The transponder signal is processed in the reader/control unit.
- This unit has to be installed in a standard flush-type box inside the building (close to the door).

NOTICE!

Should you want to accommodate the control unit and button in the same flush-type box, this must have a depth of 65 mm [2.559”].

- Unless you use a button beside the door, you will have to install a flush-type box with a filler panel for the reader unit.

DANGER!

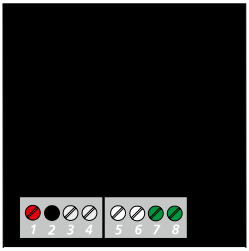
For safety reasons, do not install it in a flush-type box with a 230 V switch or socket outlet!

- The transponder antenna is located in a housing for exposed installations and is to be installed in a weatherproof zone outside the entrance 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 [1.094 yd]!

NOTICE!

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

- Connect the cable of the antenna to the reader/control unit.
- We recommend: Lay a reserve pipe from the antenna to the reader unit.



No.	Terminals
1 red	“12 V DC”
2 black	“0 V DC”
3	serial interface
4	serial interface
5 white	antenna
6 white	antenna
7 green	potential free contact C
8 green	potential free contact NO

Figure 3.4-1: Terminal assignment of the transponder reader

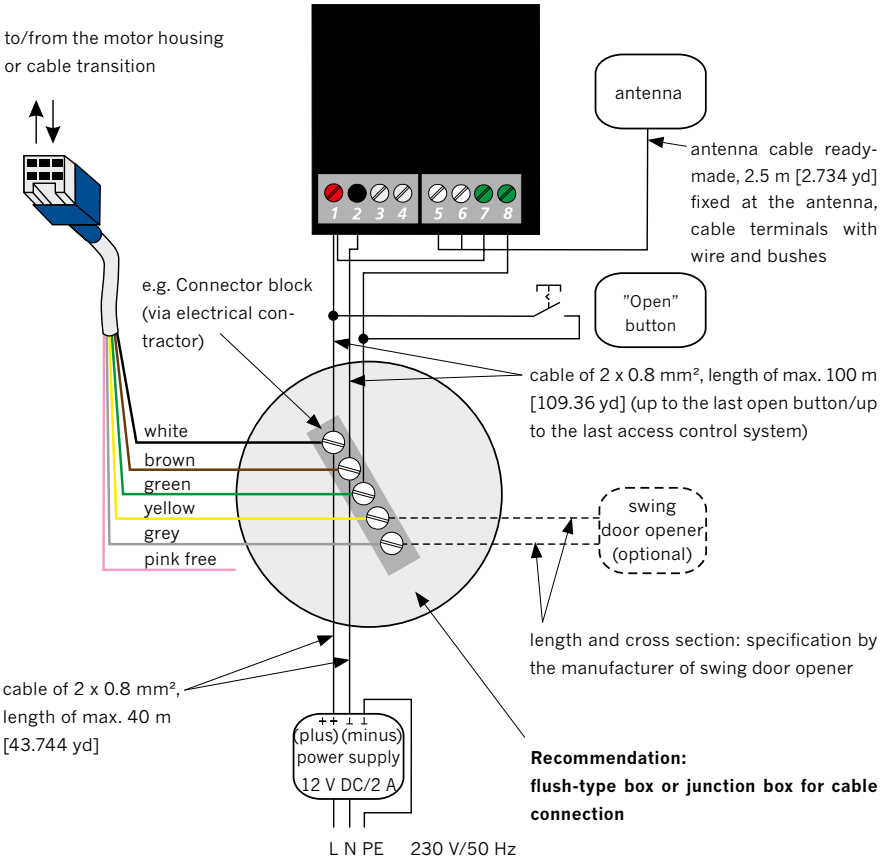


Figure 3.4-2: Installation of the transponder reader

3.5 Access control system wireless remote control

Prerequisites for installation

- To ensure the reliable performance, the position of the wireless receiver is of utmost importance for the received power.
- Do not install it at or nearby sources of possible interference (e.g. EDP/high-performance power distributor).
- To prevent manipulation of the receiver we recommend installing the receiver on the inner side of the door!

3.5.1 Wireless remote control set

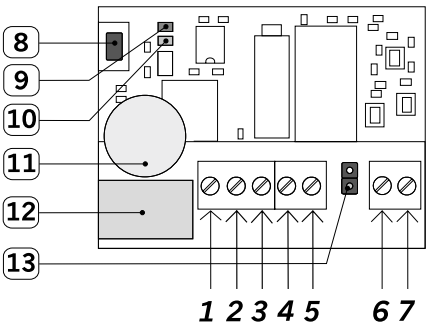
Installation sequence

- Install the wireless receiver in a standard flush-type box on the inside.
- Unless you use a switch or button beside the door; you will have to provide a flush-type box with a filler panel for the wireless receiver.

NOTICE! If you use the flush-type box of the button, the box will have to be 65 mm [2.559”] deep!

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

- Connect the terminals 2 through 5 of the wireless receiver as described in the table below.



No.	Terminals
1	“Break contact (NC)”, is not required
2	connect “Contact (C)” - to the green wire at the cable transition
3	connect “Make contact (NO)” - to terminal 4 of the wireless receiver (+ 12 V DC)
4	connect “12 V DC or 24 V DC” - with the white wire of the cable transition + terminal 2 of the wireless receiver
5	Connect “0 V DC” - with the brown wire of the cable transition
6	“Auxiliary antenna/ANT” (not required)
7	“Auxiliary antenna/GND” (not required)

Figure 3.5.1-1: Terminal assignment of the wireless receiver

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

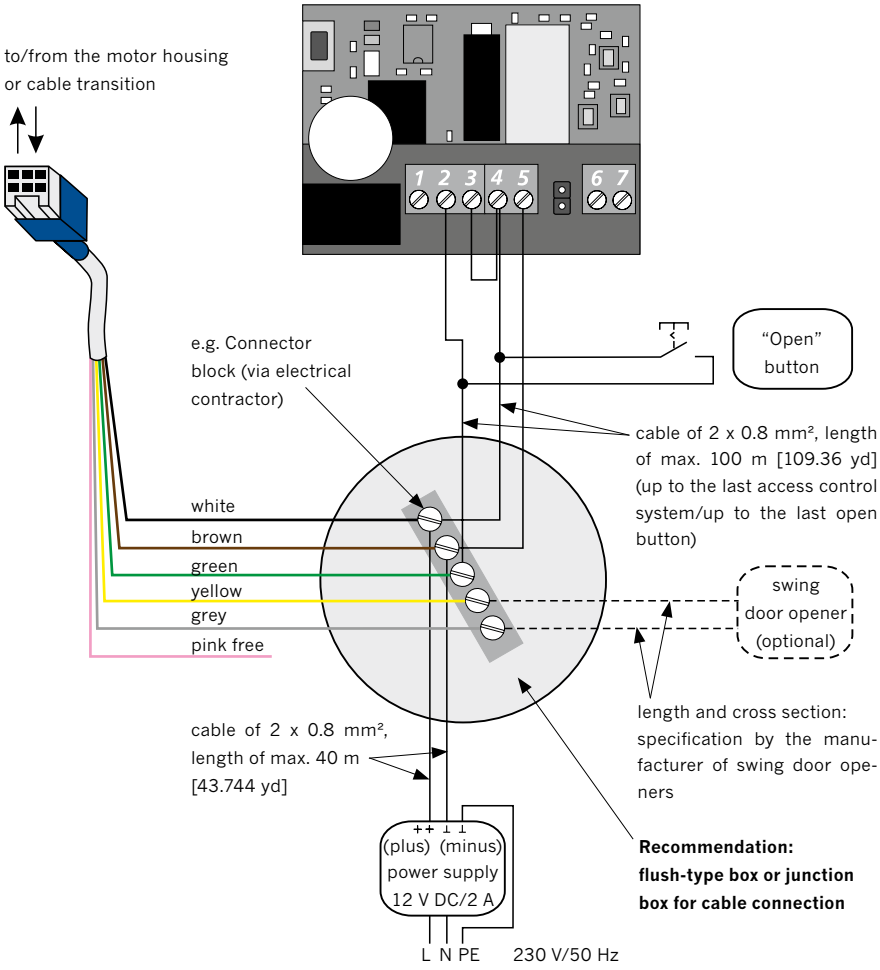


Figure 3.5.1-2: Installing the wireless receiver

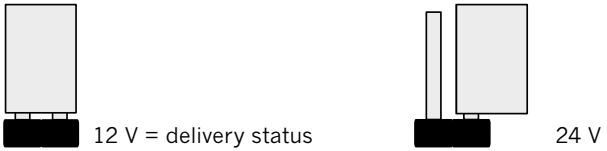


Figure 3.5.1-3: Adjustment of the jumper for voltage selection

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

NOTICE!

Check the proper position of the jumper before starting operation!

3.5.2 Wireless receiver (separate)

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

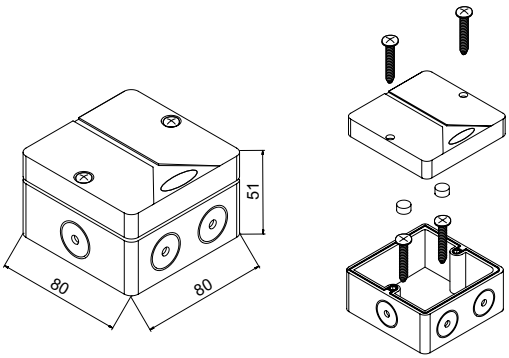


Figure 3.5.2-1: Installing the wireless receiver (dimensions in mm)

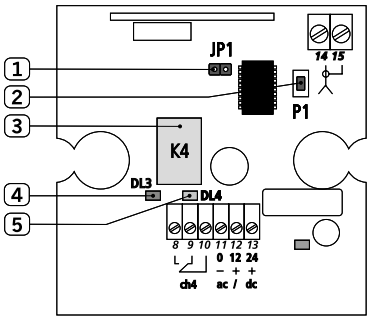
Installation sequence

- Remove the cover of the housing.
- Fasten the housing with screws.
- Push in the rubber plug (see Figure 3.5.2-1).
- Insert the circuit board of the remote according to figure 3.5.2-2 and connect it to the control of the additional application (for example to the garage door control unit).

NOTICE!

Do follow the relevant installation instructions of the additional applications!

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

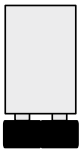


No.	*Terminals*
8, 9	NO relay K4 - non-operated contact is open, it closes by activating per remote control
9, 10	NC relay K4 - non-operated contact is close, it opens by activating per remote control
11, 12	"12 V AC/DC"
11, 13	"24 V AC/DC"
14	"Antenna"
15	"Screen"

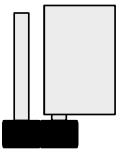
Figure 3.5.2.-2: Terminal assignment of the circuit board of the receiver

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

- You can set the K4 relay as ON/OFF or as an impulse via the JP1 jumper (see figure 3.5.2-3). The setting depends on the control unit which is to be triggered by the receiver.



JP1 = ON
K4 ON/OFF



JP1 = OFF
K4 impulse

Figure 3.5.2-3: Setting the K4 relay

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

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

3.6 Non-Winkhaus access control system

3.6.1 Non-Winkhaus access control system general

Please observe the following instructions when using other than the precalled systems to control the automatic locking system with motor operated opening (e.g. transponder set, wireless remote control):

- If several appliances (like access control + EAV) are operated together in the same door, you can use a common power supply with min. 1,5 A for EAV additionally the power requirement of the access control system. For this you need a stabilized 12 V DC direct current (chapter 2: product description power supply).
- 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.

3.6.2 Non-Winkhaus access control system fingerprint ekey home integra

Prerequisites for installation

- The described access control system ekey home integra have to be installed into the door sash.
- If parallel to the access control another open signal (potential-free signal: e.g. “Open” button, intercom, ...) should be used for unlocking, then it is possible via the cable transition KÜ-T1-integra-EAV (1) (see detail B ➔ connection grey/pink).

Installation sequence

- Plug-in the cable of the cable transition KÜ-T1-integra-EAV (1) with 8-pole plug at the control unit ekey home integra (5) (terminal **X1**).
- Assembly connection between control unit ekey home integra (5) and fingerprint ekey home integra (3) via cable type A ekey home integra (6) with double sided plugs (terminal **X3**).

NOTICE!

Control unit ekey home integra, fingerprint ekey home integra, cable type A ekey home integra included in standard delivery ekey. For further information on ekey home integra please contact company ekey (www.ekey.net).

- Assembly connection between control unit ekey home integra (5) and motor housing EAV (3). For this connect the wires of the cable of 2 m (included in delivery of the integra - EAV (2)) with terminal **X6** (see detail A). After this plug-in the blue plug into the motor housing.

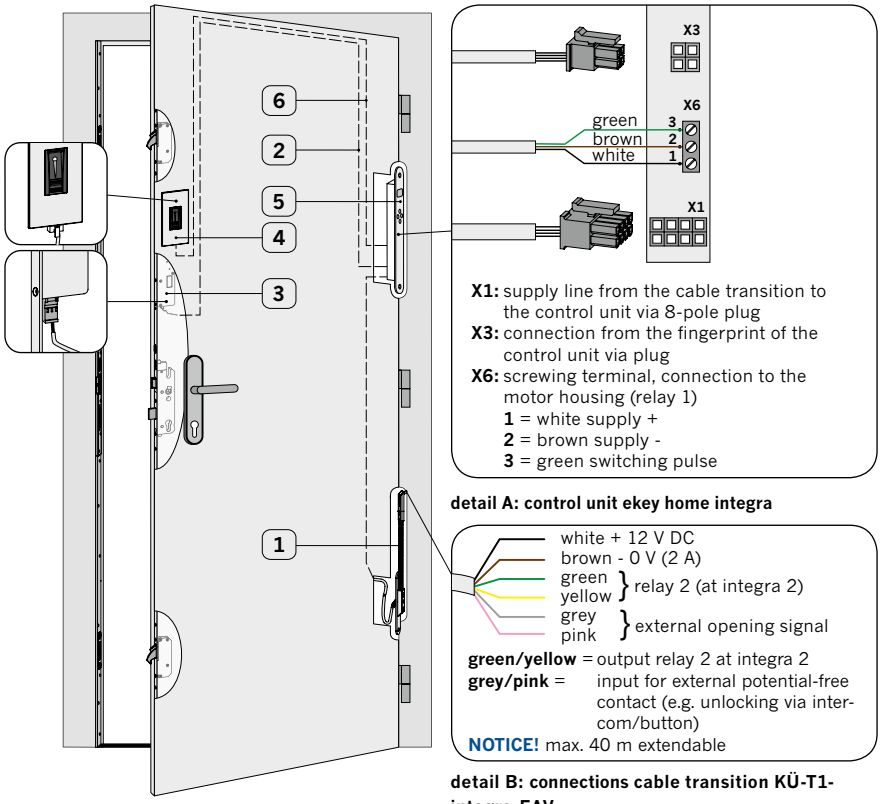


Figure 3.6.2-1: wiring blueMatic EAV and fingerprint ekey home integra

No.	Name
1	Separable cable transition KÜ-T1-integra-EAV*
2	Cable integra-EAV (length 3 m)*
3	Motor housing EAV**
4	Fingerprint ekey home integra***
5	Control unit ekey home integra***
6	Cable Typ “A” ekey home integra (length 2 m/4 m)***
* at shipment Winkhaus STV-SET KÜ-T1-integra-EAV FL 1 m + cable 3 m	
** at shipment Winkhaus locking system blueMatic EAV or for retrofitting motor housing EAV (single)	
*** at shipment ekey home integra	

3.6.2.1 Control of additional applications (only integra 2)

- The control of a additional application (e.g. garage door, alarm system) takes place via the second relay of the integra 2.
- This potential-free signal can be tapped at the wires green/yellow of the frame part of the separable cable transition KÜ-T1-integra-EAV (1) (see figure 3.6.2-1, detail B ➔ connection green/yellow).

3.6.2.2 Control of swing door opener (integra 1 and 2)

- You have to use a second cable transition (KÜ-T1-STV-FL 3,5 m, item no. 4990599) when using a blueMatic EAV with control of swing door opener.
- You have to use the cable 3,5 m of the second cable transition (sash part) instead of the cable integra - EAV 3 m (2).
- Make a connection from the motor housing EAV (blue plug) to the control unit ekey home integra (length of min. 2 m) via this cable.
  If necessary disconnect the cable respectively remove the cable covering.
- You have to mount connector sleeves onto the wires white, brown, green and connect them at terminal **X6** as described on detail A.
- The two remaining wires (yellow/grey) of the cable from the motor housing have to be connected with the same colour at the wires (yellow/grey) of the second cable transition = signal for swing door opener.
- If the cable was separated, connect it with wire connectors.

3.6.3 Non-Winkhaus access control system fingerprint IDENCOM BioKey INSIDE

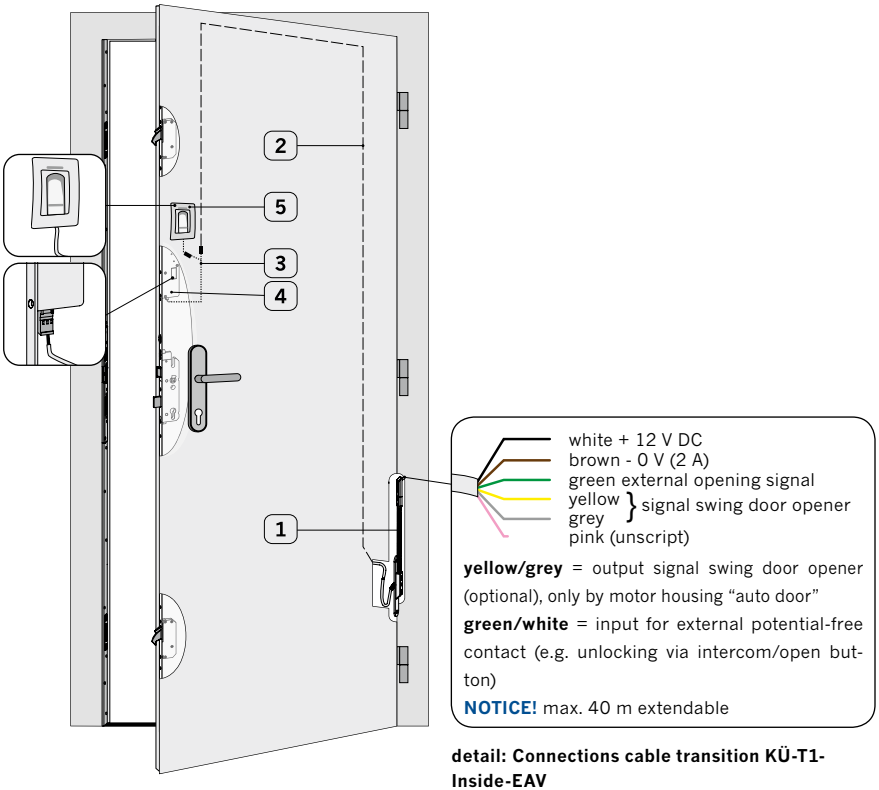
Prerequisites for installation

- The described access control system IDENCOM BioKey INSIDE have to be installed into the door sash.
- If parallel to the access control IDENCOM BioKey INSIDE another open signal (potential-free signal: e.g. “Open” button, intercom, ...) should be used for unlocking, then it is possible via the cable transition KÜ-T1-INSIDE-EAV (1) (see figure: 3.6.3-1, detail ➔ connection green/white).
- The plugs are polarity safely in principle, from exchanging protected and in addition (when correct assembling) from independent release secured.

Installation sequence

- Plug-in the cable of the cable transition KÜ-T1-INSIDE-EAV (1) with Y-cable INSIDE EAV (3).
- Assembly connection between motor housing EAV (4) and fingerprint BioKey INSIDE (5) with cable transition KÜ-T1-INSIDE-EAV (2) with the Y-cable.

No.	Name
(1)	Seperable cable transition KÜ-T1-INSIDE-EAV*
(2)	Cable from cable transition KÜ-T1-INSIDE-EAV*
(3)	Y-cable INSIDE-EAV*
(4)	Motor housing EAV**
(5)	shown as Fingerprint IDENCOM BioKey INSIDE *** Version for Winkhaus blueMatic EAV IDENCOM No. 680 005 for PVC/aluminum doors with lateral connection; IDENCOM No. 680 805 for Timberen doors with frontal connection
	available with fingerprint (for PVC/ALU-doors with laterally fixing, for Timberen doors with frontal fixing), keycode or Bluetooth pre-assembled with plug for Winkhaus motorical multi-point locks
* at shipment Winkhaus STV-SET KÜ-T1-INSIDE-EAV FL 3,5 m + cable 3 m	
** at shipment Winkhaus locking system blueMatic EAV or for retrofitting motor housing EAV (single)	
*** at shipment IDENCOM, can be ordered with IDENCOM article numbers	



detail: Connections cable transition KÜ-T1-Inside-EAV

Figure 3.6.3-1: wiring blueMatic EAV and fingerprint IDENCOM BioKey INSIDE

NOTICE!

Fingerprint IDENCOM BioKey INSIDE included in standard delivery IDENCOM. For further information please contact company IDENCOM (www.idencom.com).

4 Operation/Programming

4.1 blueMatic EAV

4.1.1 Locking and unlocking

Locking

- Even when closing the door it is automatically locked by two massive hooks and the latch in the main lock housing.
- Additional protection is provided by manual locking: one rotation of the key (1 x 360°) causes the deadbolt in the main lock housing to be thrown.

Opening the door from outside

- Unlocking via the connected access control system (e. g. Transponder chip, wireless remote control) or with a key.

Daytime function

- Temporary unlock of the door by a mechanical daytime function. Operation similar to an electric striker with mechanical daytime function. (articles see chapter 2)

NOTICE!

The main deadbolt for additional protection must be unlocked by keys in any case.

Opening the door from inside, e. g. via

- the push-button
- the intercom (potential free button!)
- the handle or key (even possible in case of power failure)

4.2 blueMatic EAV with transponder

4.2.1 Operation

The reader unit controls and monitors the access to the door.

- It is operated by means of transponder chips that work contactless.

- Hold a programmed transponder chip within (0 - 8 cm, [0 - 3.150”]) of the antenna.
- Once the transponder chip is close enough to where it can read the information, communication is established contact free.
- The transponder data is transmitted to the reader unit via the antenna.
- An acoustic signal at the reader unit will acknowledge the data transfer.
- The reader checks whether this ttransponder chip is authorized to access and allows or denies access.

Action	Acoustic Signal	Result
Door with transponder chip “Open”	■ ■ short, short	authorized

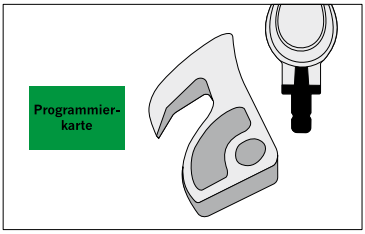
- After the enable time has elapsed, another fob can be recognized and evaluated.
- If a transponder chip is unknown to the reader, it does not have access rights and access will be denied.

Action	Acoustic Signal	Result
Door with transponder chip “Open”	■ ■■■■ short, long	not authorized

4.2.2 Programming

Each transponder set is supplied with 2 programming cards. (programming card = green; delete-all card = red) These cards are programmed to this reader/control unit.

Teach-in mode



Programming card: Set teach-in mode
➜ Teach Transponder chip

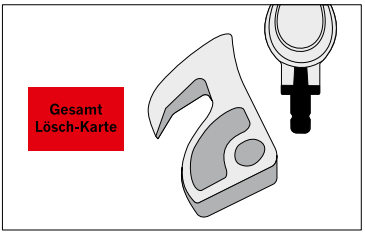
Action	Acoustic Signal	Result
Pass the programmable card over the antenna	■ short, every 0.5 seconds	teach-in mode “active”

NOTICE!

If you do not swipe the transponder chip across the antenna for a period of 5 seconds, the teach-in mode will be stopped. The reader unit returns to operating mode.

Action	Acoustic Signal	Result
Pass all the transponder chips to be authorised in succession over the antenna	■ for about 1 second	Transponder chips “authorised”
Pass all the transponder chips to be authorised in succession over the antenna	no acoustic signal (no more transponder chips can be authorised)	memory over (250 transponder chips have already been programmed)

Delete mode



Delete-all card: Delete mode “All transponder chips” ➜ Deletes all transponder chips

CAUTION!

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

Action	Acoustic Signal	Result
Pass the delete-all card over the antenna	■ for about 1 second	end of delete mode “All transponder chips”

NOTICE!

All transponder chips have been deleted and the reader unit is at delivery status. The delete-all card and the programming card are saved, a transponder chip is not saved. In this state you cannot open the door via transponder chip or card; rather you will have to re-progamm the transponder chip.

Keep the programming cards at a safe place to prevent any kind of misuse. If you lose the cards, the reader unit will have to be exchanged in its entirety! Please contact customer service in such a case.

4.3 blueMatic EAV with wireless remote control

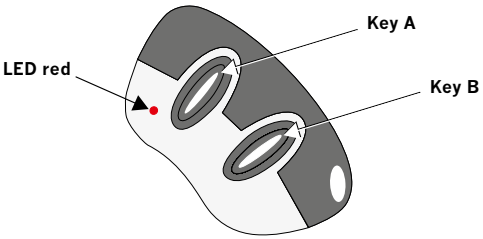
4.3.1 Operation

- It is operated via the wireless remote controls working contactless.
- The set of 3 wireless remote controls delivered have already been progammed (button A).
- To trigger a signal, press the A button of a progammed remote control. The red LED will turn on and the door will be unlocked.

4.3.2 Programming

You can program the wireless remote control via the wireless remote control or the wireless receiver. We recommend programming it by using the wireless remote control. The programming per remote control is not possible for the wireless receiver for additional applications.

Teaching a wireless remote control directly at the remote control (recommended)



NOTICE!

Keep the buttons pressed until you hear the acoustic signal at the receiver!

* If no remote control has been programmed (for example after “delete-all” function), it would apply to all remote controls. The teach-in mode can be started with any remote control.

Deleting wireless remote controls directly via the remote control

NOTICE!

Keep the buttons pressed until you hear the acoustic signal at the receiver!

Partial deletion

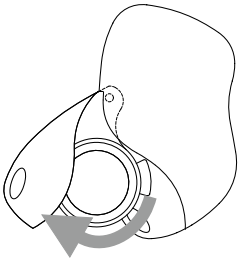
Action	Acoustic Signal	Result
1) Press buttons A and B (of a programmed remote control) simultaneously *	■ brief	teach-in mode “started”
2) Press A button (of the same remote control)	■■■■■■■■■■ continuous signal (as long as delete mode is “active”)	teach-in mode “active”
3) Press all buttons to be deleted in succession, as long as the delete mode is “active”	■■■■■ ■■■■■ continuous signal is briefly interrupted	(pressed) button(s) is/ are “deleted”

Delete-all

Action	Acoustic Signal	Result
1) Press buttons A and B (of a programmed remote control) simultaneously	■ short	teach-in mode “started”
2) Press A button (of the same remote control)	■■■■■■■■■■ continuous signal (as long as the delete mode is “active”)	teach-in mode “active”
3) Press buttons A and B (of a programmed remote control) simultaneously	■ ■ ■ short, 3 times	memory of the receiver is “completely deleted” (non programmed remote control)

Replacing the batteries in the wireless remote control

- At the button ring hole, pull the colored battery cover from the bottom of the remote control outwards.
- The battery compartment swings out.
- Replace the batteries.
- Insert two Lithium CR 2016.31 batteries.



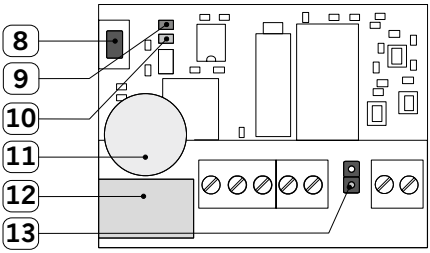
NOTICE!

Pay attention to the correct polarity!

ECO-WATCH!

Properly dispose of the batteries as demanded by environmental regulation!

Teaching wireless remote controls directly via the receiver



8	“P1 button”
9	“green LED”
10	“red LED”
11	“buzzer”
12	“relay”
13	“jumper” 12 V/24 V

- If the programming is performed via the receiver, this will have to be freely accessible.
- Press the P1 button of the receiver until the green LED lights up.
- Release the button.
- Activate the desired button of the remote control while the LED is lit up
- As long as the LED is lit, you can program additional remote control buttons.

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

Deleting wireless remote controls directly via the receiver

Partial deletion

- Press and hold the P1 button of the receiver until the green LED lights up.
- Release the button.
- Press the button of the wireless remote control while the LED is lit up.
- A programmed wireless remote control will be deleted automatically.
- A wireless remote control that has not been programmed by this method will need a programming analogue “Teaching-in of wireless remote controls directly via the remote control”.

Delete-all

- Press and hold the P1 button of the receiver until the green LED lights up.
- Release the button.
- Press the button again until the green and the red LED flash three times.
- Now, all remote controls are deleted.

ON/OFF mode

- The default setting of the relay of the receiver is “Pulse”.
- You can program it as an ON/OFF relay for additional applications (specified by the respective application).
- For this purpose, press the P1 button of the receiver until the green LED lights up.
- Release the button again.
- Press the P1 button once more.
- The LED flashes and the relay is switched to the ON/OFF mode.
- Use the same procedure to get to the pulse mode.
- Then, the LED will be lit continuously.

Displaying the occupied memory units

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

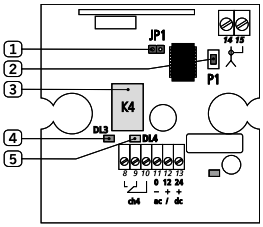
The display is a binary code: LED green = 1, LED red = 0

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

NOTICE!

The programming of remote controls via this receiver is not possible.

Programming via the wireless receiver (item no. 2142897)



1	“JP1 jumper”
2	“P1 button”
3	“K4 relay”
4	“red LED”
5	“green LED”

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

- To programm, press the P1 button of the circuit board of the wireless receiver.
- The green LED lights up.
- Release the P1 button.
- Then, press the button of the wireless remote control you would like to save.
- The LED turns off.
- The desired button of the wireless remote control has been programmed.

Deleting via the wireless receiver

Partial deletion

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

Delete-all

- Press and hold the P1 button until the green LED lights up.
- Release the P1 button.
- When the LED lights, press the P1 button again until both LED flash three times.

The memory is full once 85 buttons have been saved in the wireless remote control. Now it is not possible to save additional wireless remote controls. This condition 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 tightness and wear at regular intervals. If required, the retaining screws should be re-tightened and 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 a light grease and checked for proper performance regarding mechanics and electronics.
- You should only use neutral cleaning agents or care products that do not contain any abrasives in order to protect the anticorrosion coat of the door furniture.
- Clean electronic parts only in a dry state.

6 Errors/Causes/Troubleshooting

Error	Indication	Possible cause	Troubleshooting
the door does not lock automatically	Hooks not engaged	• the door is warped • the contact pressure is too high • the door has not been installed properly	• check the installation, and the keep adjustment and alignment • adjust the hinge plates
the latch is “blocked”	the door is not latched in the center location	• the routing in the area of the main lock housing is possibly not sufficient (chapter 3)	• re-rout, if necessary
the door cannot be closed	the hook latch is “blocked” in the single keep	• the door sash has not been mounted properly	• at the single keep ➜ change the height of the door keep (by using a screw driver)

Error	Indication	Possible cause	Troubleshooting
the motor does not function although voltage is applied at the door	the door cannot be opened	• no voltage supply via the cable transition	• check the cable transition (e.g. contacts, screwed joint for KÜ-T1-STV)
the door cannot be opened by the motor	the motor does not function	• power failure • power supply is interrupted, e. g. at the cable transition • System not wired correctly	• unlock mechanically via profile cylinder/handle or lock via profile cylinder • Check main power supply to transformer • check KÜ, correct the plugin connection (see above) • Check entire system agains wiring diagram
	the motor stops	• the door is warped • the contact pressure is too high • the lock is too tight	• adjust the door • check the operation via profile cylinder/handle
	the motor functions but the door cannot be opened	• the main bolt is unlocked via profile cylinder • Operating forces too high, faulty installation	• draw the main bolt back again via the profile cylinder • Check installation (keep alignment, air gap, etc.)
Power failure when/ during: a) the door is locked			• the door can be operated mechanically (profile cylinder/handle)
b) the door is open, lock is unlocked	the door is possibly not held by the latch	• the motor is not in starting position	• close the door by prelocking the main bolt, if necessary
c) the unlocking procedure	when the door is locked again, possibly the hook, main bolt do not lock completely	• the motor is not in starting position	• door can be operated mechanically (profile cylinder/ handle), if motor has returned to starting position ➜ completely functions
EAV does not operate with remote but LED is illuminating.	Door doesn‘t open	• Remote battery dead • Out of range to the remote control • Remote control not autthorized	• Replace battery in remote control • Operate remote control within 30 mtrs. (unostructed) • Check remote control programmed
Does not operate with remote control, red LED is not illuminating.		• Remote battery dead	• Replace battery in remote control

7 Technical specifications

7.1 Motor housing EAV3

Voltage:	12 V DC stabilized, ± 1,0 V
Closed-circuit current:	approx. 5 mA
max. current:	approx. 1500 mA
Dimensions:	173 x 50 x 16 mm [6.811 x 1.968 x 0.630”]
Weight:	approx. 380 g
Connection:	Plug AMP Tyco, HE14, 6-pole, from Winkhaus premanufactures
Configuration of wire:	white – voltage, +12 V DC brown – earth, 0 V green – opening signal yellow – output signal for swing door opener grey – output signal for swing door opener, only with motor housing EAV3 swing door opener

7.2 Power supply

Primary voltage:	100 - 240 V AC; 50/60 Hz
Secondary voltage:	12 V DC stabilized
Current:	2 A
Dimensions:	77 x 92 x 55 mm [3.031 x 3.622 x 2.165”]
Weight:	approx. 0.3 kg
Installation:	top hat mounting rail

7.3 Antenna/Reader unit

Dimensions (antenna):	antenna housing: 90 x 90 x 13 mm [3.543 x 3.543 x 0.512”], for exposed installation, cable is permanently installed
Dimensions (reader):	45 x 45 x 22 mm [1.772 x 1.772 x 0.866”]
Reading distance:	between 0 and 8 cm [0 - 3.150”] (depending on the installation environment)
Signalization:	piezo-buzzer
Data memory:	max. 250 transponder chips
Reader technique:	Prox reader (EM 4102, Hitag)

Power consumption:	max. 100 mA
Voltage:	12 V AC/DC

7.4 Wireless remote control

Receiver type:	Superheterodyne
Modulation:	AM/ASK
Frequency:	433.92 MHz
Number of code combinations:	2 to the power of 64 (“Rolling Code”)
Frequency of the local oscillator:	6.6128 MHz
Intermediate frequency:	10.7 MHz
Sensitivity (to receive signals):	-115 dB
Input impedance:	50 ohm
Maximum memory capacity:	max. 85 buttons
Power supply:	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 [1.732 x 1.299 x 0.669”]
Range:	max. 30 meters [32.808 yd] (unobstructed area) 200 meters [218.72 yd] with antenna

Remote control

Number of operations:	2 channel
Power supply:	Lithium CR 2016.31 battery
Service life of batteries:	18 - 24 months
Power consumption:	13 mA
Frequency:	433.92 MHz
Number of code combinations:	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 [32.808 yd]
Dimensions:	61 x 36 x 16 mm [2.402 x 1.417 x 0.630”]

Wireless receiver (separate)

Receiver type:	Superheterodyne
Modulation:	AM/ASK

Frequency:	433.92 MHz
Frequency of the local oscillator:	6.6128 MHz
Intermediate frequency:	10.7 MHz
Sensitivity (to receive signals):	115 dB
Input impedance:	50 Ohm
Maximum memory capacity:	85 codes for remote control
Power supply:	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 [3.150 x 3.150 x 1.969”]

7.5 Cable transition

Cable transition KÜ-T1-STV

Measurements:	Overall length approx. 260 mm [10.236”]
Cross section of wires:	6 x 0.25 mm²
Sash part:	• STV-KÜ-T1-STV-FL 2 m with cable 2 m [2.187 yd] + plug for motor housing • STV-KÜ-T1-STV-FL 3,5 m with cable 3.5 m [3.829 yd] + plug for motor housing
Frame part:	with a cable of 4 m [4.374 yd] and cable end sleeves
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)

STV-SET Cable transition KÜ-T1-INTEGRA-EAV

Plug-‘n‘-play solution for fingerprint ekey home integra

Cross section of wires:	6 x 0,25 mm² • Separable cable transition KÜ-T1-INTEGRA-EAV FL 1 m [1.094 yd]

Frame part:	with cable of 4 m [4.374 yd] (6 x 0.25 mm²), cable ends with wire end sleeve
Sash part:	with cable 1 m (6 x 0,25 mm²), cable ends with 8-pole plug for control unit ekey home Integra
Accessories:	• Cable integra-EAV 3 m [3.280 yd] (3 x 0,25 mm²) - 1st Cable end with plug for motor housing EAV - 2nd Cable end with wire end sleeve
Max. voltage:	48 V DC
Max. switching current:	2 A per connection line/wire

STV-SET Cable transition KÜ-T1-INSIDE-EAV

Plug-'n'-play solution for fingerprint IDENCOM BioKey INSIDE

Cross section of wires:	6 x 0,25 mm²
	• Separable cable transition KÜ-T1-INSIDE-EAV FL 4 m [4.374 yd]
Frame part:	with cable of 4 m [4.374 yd] (6 x 0.25 mm²), cable ends with wire end sleeve
Sash part:	with cable 3,5 m [3.828 yd] (5 x 0,25 mm²), cable ends with 5-pole plug
Accessories:	• Y-cable INSIDE-EAV 0,5 m [0.547 yd] (0,25 mm²) - 1st Cable end with plug for motor housing EAV - 2nd Cable end with plug for cable transition KÜ-T1-INSIDE-EAV - 3rd Cable end with plug for fingerprint IDENCOM BioKey INSIDE
Max. voltage:	48 V DC
Max. switching current:	2 A per connection line/wire

8 Accessories

Transponder chip

Transponder chip (separate) as an extension to transponder set EAV (241 026 5).

- form: key fob
- color: blue

STV-TRANSPONDER CHIP T01 BLUE	212 676 6

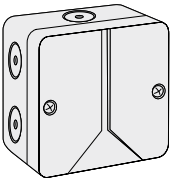
Wireless remote control

Wireless remote control (separate) as an extension to the wireless remote control set (241 027 3).

- color: dark grey/grey

STV-WIRELESS REMOTE CONTROL F01 DARK GREY	212 678 2

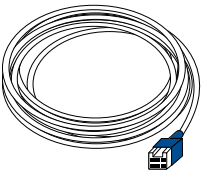
Wireless receiver



Wireless receiver (separate); e.g. for coupling with the garage door control unit (the second button at the remote control can be used for this purpose)

STV-WIRELESS RECEIVER F01	214 289 7

Cable 6 m for motor



Cable 6 m [6.562 yd] (5 x 0,25 mm²)
1. Cable end with plug for motor housing
2. Cable ends with wire end sleeve

Use for motor blueMatic EAV as alternative too STV-KÜ-T1-STV-FL 2 m or KÜ-T1-STV-FL 3,5 m.

STV-CABLE 6 M FOR MOTOR	252 288 1

Appendix: Classification motorical multipoint locks

Article no.	Backset	Centre distance	Faceplate	Classification
STV-EAV	35 – 65 mm	92 mm PZ 94 mm RZ	Flat ≥ 16 mm U ≥ 22 x 5 mm	2 S 5 C 0 G 3 0 2
STV-EAV3	35 – 85 mm	92 mm PZ 94 mm RZ	Flat ≥ 16 mm U ≥ 22 x 5 mm	2 S 5 C 0 G 3 0 2
STV-AV2B	35 – 65 mm	92 mm PZ 94 mm RZ	Flat ≥ 16 mm U ≥ 22 x 5 mm	2 S 5 C 0 G 3 0 2

NOTICE!

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

Declaration of performance No. 008.2 CPR

1. Unique identification code of the product type:

blueMatic EAV, Electromechanical lock for doors according to DIN EN 14846
blueMatic AV2B, 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-AV3 + motor control EAV3 (mounted/not mounted)
STV-AV2 + motor control EAV3 (mounted/not mounted)
STV-AV2B

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:

FFor 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.

Certificate 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 5: up to 200 kg door mass, 25 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

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