User manual

Automated operated ALU-Slide VDS ECO
Automated operated ALU-Slide AVANT

The new Generation of Aluminium Sliding gates

ALUCONNECT

Manual for the user

Dear Customer,

We would like to thank you for your trust and for choosing this sliding gate. This manual contains all required information to quickly ensure you become familiar with this product.

This manual is meant for the user and ensures that the user can use and maintain the sliding gate correctly. The table of contents will assist you in finding the information that you need in this manual.

The sliding gate must be installed by a certified and professional installer, who uses an installation diagram and works in accordance with the applicable legislation and regulations.

We recommend that you carefully study the information in this manual before working with the product.
Ensure that you act in accordance with the instructions contained in this manual when using the sliding gate.
This manual contains the CE/Declaration of Performance and therefore you should keep this manual in a safe place to ensure that this manual can also be consulted at a later date when required. This will also ensure that any new user of the gate can study the manual before working with the product.

We recommend consulting a fencing installer approved by Aluconnect in case of faults.

A technical installation manual is available for this sliding gate and a programming manual is also available. These manuals contain detailed information.

You can request these manuals from the installer of your sliding gate.

For more informaton or to order manuals, contact:

ALUCONNECT

Disclaimer

The sliding gate may only be used for closing passages dynamically. Aluconnect cannot be held liable for any damage caused by improper, incorrect or unwise use. Read and fully understand this manual.
If you deviate from the described actions in the user manual, any guarantees or liability of the manufacturer will be null and void. The manufacturer cannot accept any liability for consequential damages.

Installing the gate must meet specific requirements. The installation manual must always be adhered to and the installation must be performed by an appropriately certified and professional installer while observing the applicable legislation and regulations. Safety must always be safeguarded so that users and third parties can safely use the sliding gate. The fencing installer is responsible for the correct installation. The installer can contact Aluconnect with any questions or issues that are unclear regarding the installation.

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1. Introduction

1.1. Manufacturer

Aluconnect B.V.
Kokerbijl 9
5443 PV Haps
Phone: +31 (0)88 33 43 000
E-mail: info@aluconnect.nl
Website: www.aluconnect.nl

1.2. Service and maintenance

- For maintenance or technical questions, contact your installer/supplier.
- You can also contact the manufacturer. You will then be put into contact with a Aluconnect partner in your area.

1.3. Definition of the competences of persons

User:
The user is the person who uses the sliding gate. The user must be familiar with all safety aspects specified in this manual. The user may not perform installation work on the gate unless the user has been expressly specified and named.

Fencing installer:
The installer is a fencing specialist who is qualified to perform technical operations on the gate.

1.4. Contemplated use and application

The operation of the gate is very simple. However, the user manual must be read with due care and attention before use is made of the gate.
The installer of the installation company must instruct the user with regard to the use of the sliding gate.

The sliding gate must always be installed horizontally and may only be used for controlled access to a site, building or location.

All installation work must be performed by professional and certified personnel. The installation company is responsible for the deployment of professional and certified personnel.

1.5. Conformity and Declaration of Conformity

The sliding gate is supplied in accordance with the following EU directives and regulations:
EG-Construction Products Regulation 89/106/EWG,
EG-Machinery Directive 2006/42/EG
EG-Low Voltage Directive 2006/95/EG
EG-Directive on Electromagnetic Compatibility 2004/108/EG

In particular, the following harmonized standards are applied:

EN 13241-1	Industrial and commercial garage doors and gates - Product standard, Products without fire or smoke protection properties
EN 12100	Safety of machinery - Basic concepts, General design priciples
EN 12445	Operating safety of powered doors, Test methods
EN 12453	Operating safety of powered doors, Requirements
EN12978	Sefety devices for automatically operating doors and gates
EN 414	Safety of machinery - Rules for the drafting and presentation of safgety standards
EN ISO 13849-1	Safety of machinery - Components of control systems with a safety function
EN 1037	Safety of machinery - Prevention of unintended start-up
EN 12100	Safety of machinery - Principles for risk assessment
EN 60204-1	Safety of machinery - Electrical equipment of machines

A Declaration of Performance (DoP), a Declaration of Conformity (DoC) and a CE mark are drawn up for the sliding gates.
The Declaration of Conformity and combined CE Declaration of Conformity/Declaration of Performance can be found at the back of this user manual.

The CE mark can be found on the nameplate. This nameplate is placed to the drive unit (where the motor is located) and may never be removed.

1.6. Delivery

The sliding gate is installed, connected, adjusted and programmed by a fencing installer.
The installer also connect any options and accessories.

The operation of the gate including the relevant options and accessories must be gone through and explained to the user upon delivery.

You can add additional options and accessories after delivery.
Contact your supplier for more information.

2. Safety aspects

2.1. Symbols

Warning

Instructions that include this symbol warn in relation to the risk of damage to the machine or breakdowns if the instructions are not closely followed.

Entrapment hazard

Instructions that include this symbol warn in relation to physical injury if the instructions are not closely followed.

Electrocution danger

Instructions that include this symbol warn in relation to the danger due to electricity if the instructions are not closely followed.

2.2. General safety

IMPORTANT

- All installation work must be performed by professional and certified personnel. The installation company is responsible for the deployment of professional and certified personnel.
- Ensure that you (as the user) are correctly trained about the use of the gate by the fencing installer.
- Before starting to use the gate, you must have carefully read the user manual.
  If you deviate from the described actions in the user manuals, any guarantees or liability of the manufacturer will be null and void. The manufacturer cannot accept any liability for consequential damages.
- Ensure that the instructions specified in the user manual are followed and observed. Any other type of use may cause unpredictable hazards and is therefore prohibited.
- Safeguard public safety during use. Pay, for example, near schools additional attention to the safety of children.
- Ensure that the gate runs smoothly. If the gate does not run smoothly, contact your supplier.
- The gate wing may not be increased in weight or the surface area of the gate infill may not be increased. If required, contact your gate supplier.
- The sliding gate may not be operated by children or people with an impairment. Adults must supervise to ensure that children do not play with or within the range of the sliding gate. Parents/ carers are responsible for their children.
- PEOPLE MAY NOT HITCH A LIFT ON THE SLIDING GATE.
- Only operate an unlocked and manually operated sliding gate with the handle. Use the full handle to avoid the risk of entrapment.
- Ensure that the slide area is always free from obstruction.
- It is mandatory to be able to lock a sliding gate at all times to prevent unintentional movement. Manual operated sliding gates are standard supplied with a wind security handle. To secure an unlocked automated sliding gate, there are several options available from your supplier of the sliding gate.
- For two sliding gates sliding toward each other, mount the ramp, which is mounted on the floor where the two sliding gates meet when in the closed position.

IMPORTANT

- The sensitive safety device will switch off the drive motor if the gate does not run smoothly. If this happens, contact your supplier.
- When the gate is moving, a distance must be maintained from the gate. This is indicated by the warning symbol “danger” added to the portals. This warning pictograms must be checked regularly by the operator. If one or more pictograms are (no longer) displayed on the gate, they must be added again to safeguard safety. They can be obtained from Aluconnect.
- Only go through the passage when the sliding gate has been completely opened.
- The drive may not be used on other gates or for other objectives than for the sliding gate specified in this manual.
- The sliding gate may only be commissioned after the sliding gate has been completely installed and tested with regard to safety devices.

2.3. Warning on Entrapment Hazerd

ENTRAPMENT HAZERD

- The sliding gate may only be opened or closed under the supervision of and by people with sufficient experience and knowledge regarding the sliding gate.
- Only operate an unlocked and manually operated sliding gate with the handle. Use the full handle to avoid the risk of entrapment.
- An uncontrolled movement of the gate wing (for example, caused by wind) must be prevented both in an open and a closed condition. Manual operated sliding gates are standard supplied with a wind security handle and for unlocked automated sliding gates, there are wind security handles available. When the gate wing opens or closes in an uncontrolled manner, structural deformation of the gate can occur, which may represent a hazard for people and the surrounding area.
  An unlocked and manually operated sliding gate may never be opened or closed unsupervised!
- The vertical head bar on the gate wing has a safety edge that does not cover the entire height of the wing. Becoming trapped cannot be excluded here.
- The sliding gate may only be operated when the entire sliding gate is visible from the hold-to-run control.

2.4. Wind load regulations

WIND LOAD

The sliding and swing gates from Aluconnect are manufactured in accordance with the EN 13241-1 standard.
The EN 12424 standard is observed with regard to the wind load.

- Wind class 2 is applied as wind load either 450 Pa.
  This means that the gate can withstand wind speeds of up to 102 km/h in the closed position.

- For Industrial sliding gates up to and including 8000mm width, a wind load is answered to wind class 3 either 700 Pa.
  This means that the gate can withstand wind speeds of up to 133 km/h in the closed position.

Wind strength	Classification EN 12424	Dynamic pressure Pa = N/M²	Wind force Beaufort	Wind speed in m/s	Wind speed in km/h
Calm	Class 0	0	0	0 - 0,2	0
Strong gale	Class 1	300	9	20,8 - 24,4	75 - 88
Violent storm	Class 2	450	10	24,4 - 28,4	89 - 102
Hurricane	Class 3	700	12	32,7 - 36,9	118 - 133
Heavy hurricane	Class 4	1.000	13	37,0 - 41,4	134 - 149

NOTE:

The gate may only be set in motion at a maximum of 50% of the wind speed in the respective class.
This applies to both manual and electric gates.

- For class 2, the gate may not move if the wind speed exceeds 51 km/h.
  A wind speed of 51 km/h matches wind force 6 - 7 accordance with the Beaufort wind scale.

- For class 3, the gate may not move if the wind speed exceeds 66 km/h.
  A wind speed of 66 km/h matches wind force 8 accordance with the Beaufort wind scale.

(see table below).

Wind strength	Dynamic pressure Pa= N/M²	Wind force Beaufort	Wind speed in m/s	Wind speed in km/h
Strong breeze	71,6 - 116,7	6	10,8 - 13,8	39 - 49
High wind	117,7 - 179,5	7	13,9 - 17,1	50 - 61
Stormy	181,3 - 262,4	8	17,2 - 20,7	62 - 74

2.5. Safety aspects linked to the machine

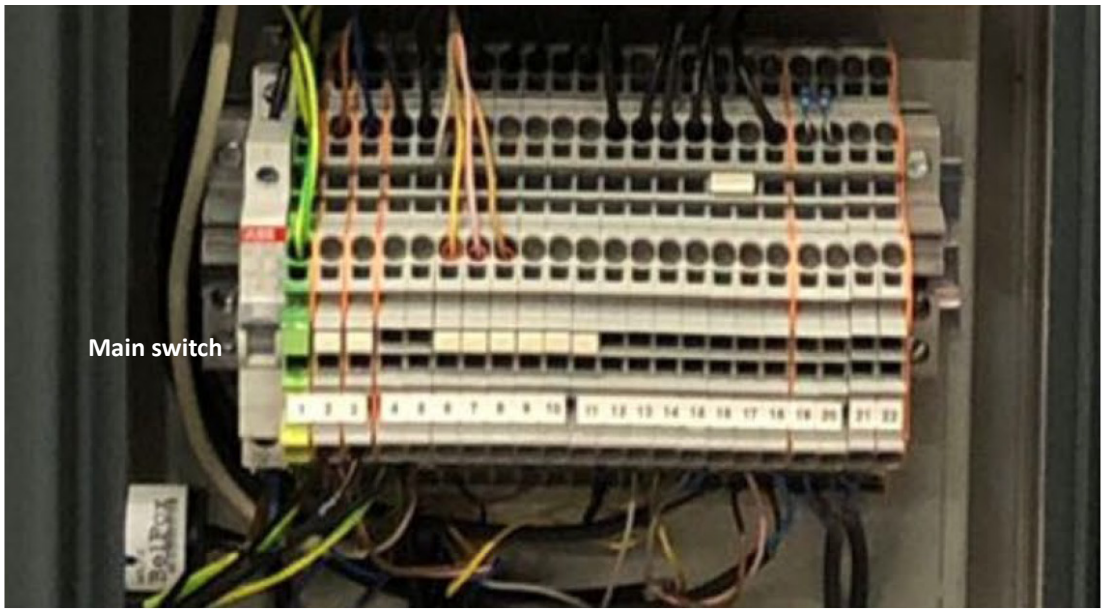
To offer safety to people near the gate, various safety facilities have been added. The most important safety facilities are what is commonly referred to as stopping safety edges that have been installed at several locations. These “rubber strips” can be found on the moving part of the gate and the guide portal on which the moving part is affixed. These safety edges will deactivate the gate and have the gate run back approximately 15 cm if there is a ‘entrapment hazard’.
If a vertical head bar safety edge of the gate wing is touched, the gate will run back completely. The gate will again start to move when the operator has issued a new command.

IMPORTANT

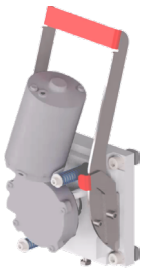
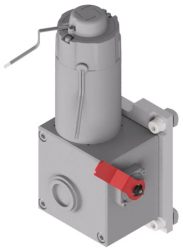
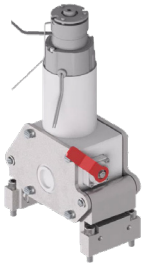
At least once a month, the safety edges must be tested to verify their correct operation and must be examined for visual damage to ensure safety can be guaranteed.
If one of these tests should not lead to the required result, you must immediately contact your supplier to resolve the problem.

2.6. Disconnecting the automatic sliding gate

**Before disconnecting the sliding gate, the electrical installation should FIRST be de-energized.
This is done by turning the main switch, which is located to the left of the terminal strip.
See picture below.**



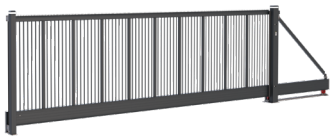
In the event of a power failure or malfunction of the automatic sliding gate, the gate can be disengaged by moving the red handle at the top of the drive motor downwards, or by moving the red handle at the side of the gearbox upwards (depending on the drive). The gate leaf can then be operated manually.
For theft protection purposes, the release is not accessible from the outside, but must be operated in the drive unit.

Drive	Available for		Locked	Unlocked
	ALU-Slide VDS ECO	ALU-Slide AVANT		
180T	✓	✓		
250T		✓		
320T	✓			
500T Speed	✓	✓		

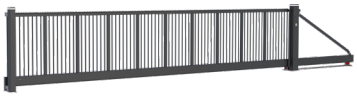
3. General

3.1. Models

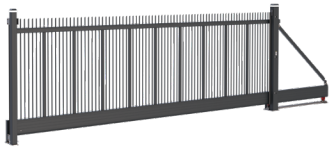
Below you can see the versions used in the manual sliding gates, all sliding gates can be made in a single or in a sliding gate sliding towards each other:



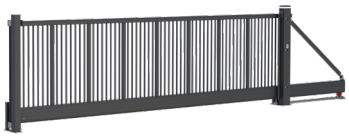
Industrial Vira
(30x30mm)



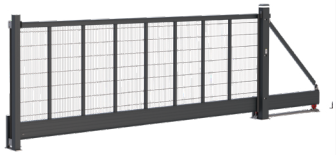
Industrial Punta
(ø30mm with sharp edge)



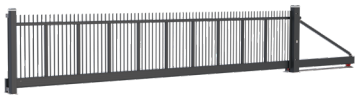
Industrial Rosa
(ø30mm extended)



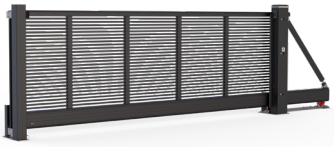
Industrial Nika
(ø30mm smooth upper beam)



Industrial Dura
(DSM 868)



Industrial Kyra
(23x23mm 90° turned)



Design Levi 30H
(Horizontal infill 30x25)

Design Levi 30V
(Vertical infill 30x25)

Design Levi 80H
(Horizontal infill 80x25)

Design Levi 80V
(Vertical infill 80x25)

Design Lara 1xC
(3mm aluminium plate)

Design Luna 100H
(Horizontal infill 100x25)

Design Luna 100V
(Vertical infill 100x25)

Design Luna 200H
(Horizontal infill 200x25)

Design Luna 200V
(Vertical infill 200x25)

Design Luka 100S
(Rounded shutters 100x35)

Design Lucy 70S
(Angular shutters 70x20)

3.2. Dimensions

3.2.1 Standard heights ALU-Slide VDS ECO

Design: 955, 1155, 1355, 1555, 1755, 1955mm.
Industrial: 1000, 1250, 1500, 1800, 2000, 2500mm.
Industrial Dura: 1000, 1200, 1400, 1600, 1800, 2000, 2200, 2400mm.

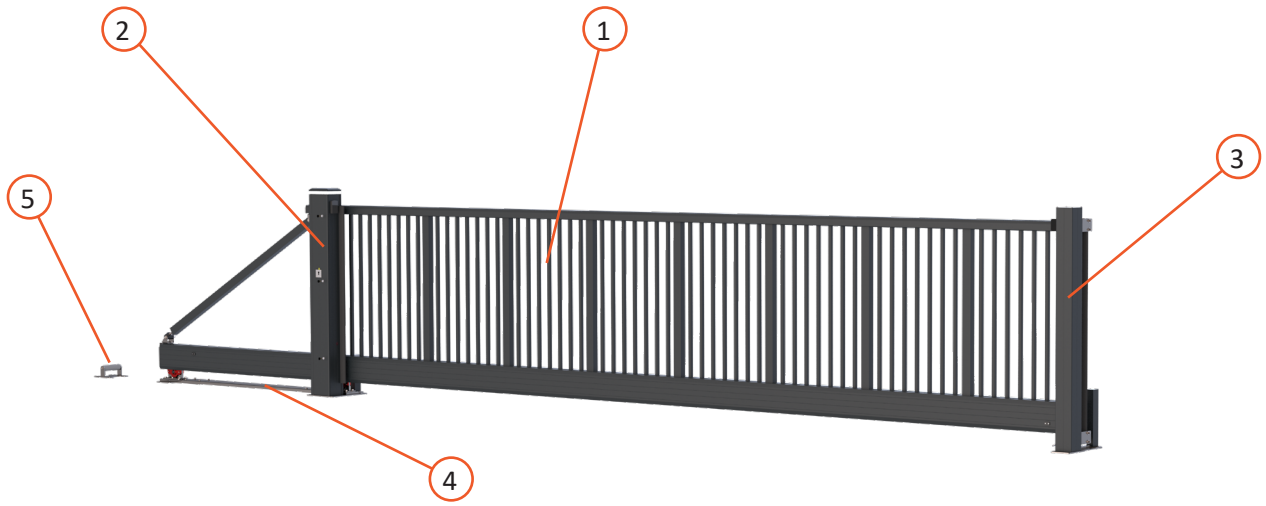
3.2.2 Standard heights ALU-Slide AVANT

Design: 1035, 1235, 1435, 1635, 1835, 2035mm.
Industrial: 1000, 1250, 1500, 1800, 2000, 2500mm.
Industrial Dura: 1000, 1200, 1400, 1600, 1800, 2000, 2200, 2400mm.

Passage Sliding gate Width dimension (mm) between the posts	Length Wing Width dimension (mm) Wing	ALU-Slide VDS ECO Industrial	ALU-Slide VDS ECO Design	ALU-Slide AVANT Industrial	ALU-Slide AVANT Design
3000	4600	✓	✓	✓	✓
4000	5700	✓	✓	✓	✓
5000	6700	✓	✓	✓	✓
6000	8200	✓	✓	✓	✓
7000	9200	✓	✓	✓	✓
8000	10700	✓		✓	
9000	11700			✓	
10000	13200			✓	
11000	14200*			✓	
12000	15900*			✓	

** The wing is being delivered in 2 pieces and needs to be screwed together on site.*

3.3. Explanation gate components



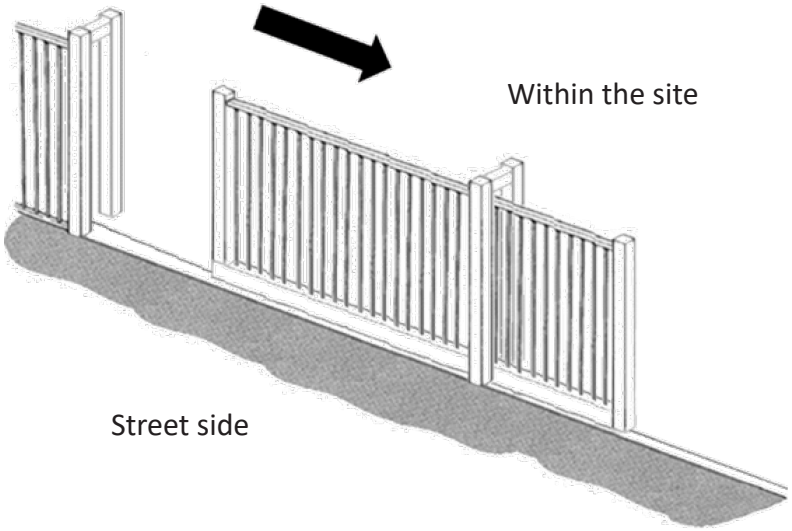
1	Gate wing	4	Tandem set
2	Guide post	5	Rear support roller
3	Slam post		

3.4. Sliding direction

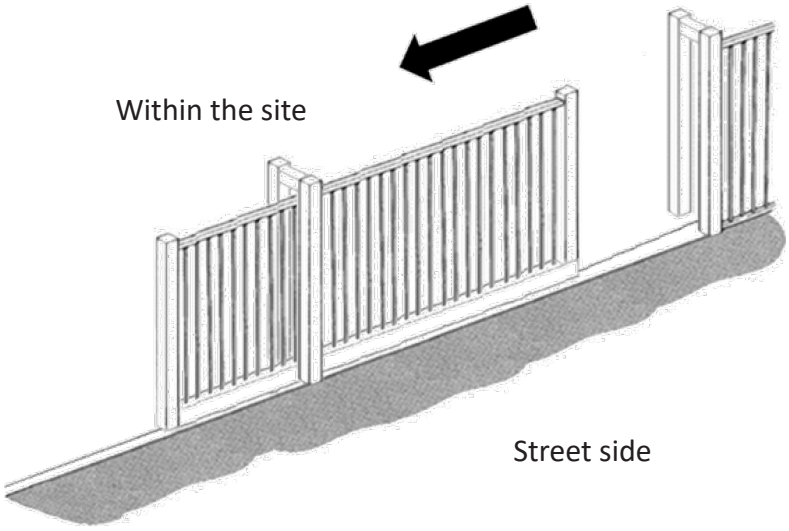
In practice, we refer to the sliding direction when opening when you are standing on the road side and looking at the sliding gate.
For example:

- DIN Right when viewed from the outside and opening to the right
- DIN Left when viewed from the outside and opening to the left

3.4.1. DIN Right

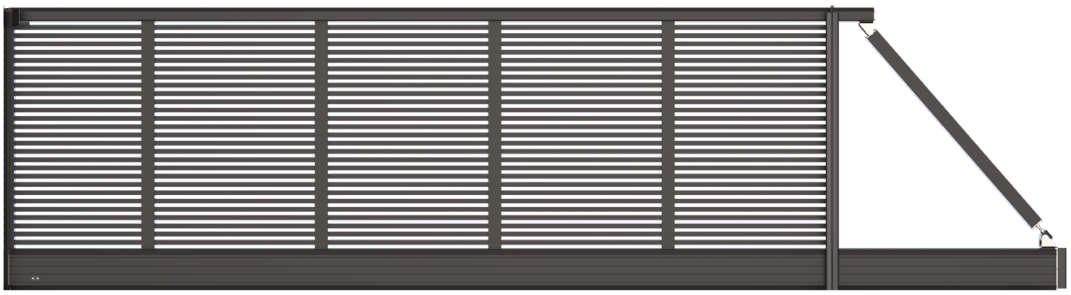


3.4.2. DIN Left



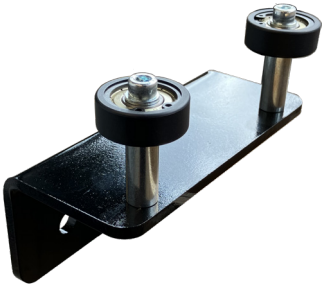
3.5. Standard components

The sliding gates consist of different components.
You can find which standard components make up the different gates by visiting the Aluconnect website. www.aluconnect.nl



Gate wing

Drive post



Upper guideance

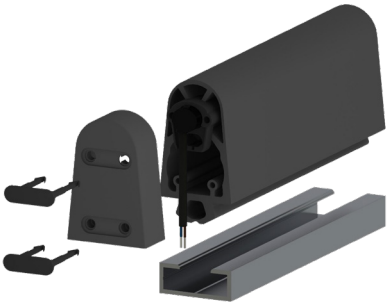
Photocells

Slam post

Rear support roller

Hand-held transmitter

Drive



Safety edges

Flashing light with LED lighting

3.6. Optional components

Several optional components are available on a sliding gate.
Therefore, ask your supplier about the optional component that you require.

4. Gate description

4.1. Technical data gate

Sliding gate Width dimension (mm) between posts	Sliding gate Length (mm) gate wing	Type	C-profile lower beam	Upper beam profile	Guide post	Slam post 150x150	Head beam profile 100x80	Vertical beam profile 80x60
3000	4600	VDS ECO Design	180x160	140x65	1-legged	✓	✓	✓
		VDS ECO Industrial						
		AVANT Design	250x160	140x75				
		AVANT Industrial						
4000	5700	VDS ECO Design	180x160	140x65	1-legged	✓	✓	✓
		VDS ECO Industrial						
		AVANT Design	250x160	140x75				
		AVANT Industrial						
5000	6700	VDS ECO Design	180x160	140x65	1-legged	✓	✓	✓
		VDS ECO Industrial						
		AVANT Design	250x160	140x75				
		AVANT Industrial						
6000	8200	VDS ECO Design	180x160	140x65	1-legged	✓	✓	✓
		VDS ECO Industrial						
		AVANT Design	250x160	140x75				
		AVANT Industrial						
7000	9200	VDS ECO Design	180x160	140x65	1-legged	✓	✓	✓
		VDS ECO Industrial						
		AVANT Design	250x160	140x75				
		AVANT Industrial						
8000	10700	VDS ECO Industrial	180x160	140x65	1-legged	✓	✓	✓
		AVANT Industrial	250x160	140x75				
9000	11700	AVANT Industrial	250x160	140x75	1-legged	✓	✓	✓
10000	13200	AVANT Industrial	250x160	140x75	1-legged	✓	✓	✓
11000	14200	AVANT Industrial	250x160 Connected	140x75 Connected	2-legged	✓	✓	✓
12000	15900	AVANT Industrial	250x160 Connected	140x75 Connected	2-legged	✓	✓	✓

- *For manually operated sliding gates ≤10000mm wide, the dimensions of a 1-legged guide post is 150x150 and for a width >10000mm, the size of a 2-legged guide post is 150x150/150x150.*
- *For automated sliding gates ≤10000mm wide, the dimensions of a 1-legged guide post is 250x180 and for a width >10000mm, the size of a 2-legged guide post is 250x180/150x150.*

4.2. Technical data drive

The sliding gate can have different types of drives.

Available motors for ALU-Slide VDS ECO:

- 180T
- 320T
- 500T SPEED

Available motors for ALU-Slide AVANT:

- 180T
- 250T
- 500T SPEED (≤ 10000mm)

Check your order confirmation or logbook to see which type of operator applies to you.
The drives have the following characteristics:

	180T	250T	320T	500T SPEED
Brand	Aluconnect	Aluconnect	Aluconnect	Aluconnect
Connection voltage	230V / 50Hz	230V / 50HZ	230V / 50Hz	230V / 50Hz
Motor power supply	24V DC	24V DC	24V DC	24V DC
Turn-on time (ED)	80%	90%	80%	80%
Gate speed	max. 18 cm per second	max. 25 cm per second	max. 32 cm per second	max. 50 cm per second
Pressure force	1100 N	1300 N	800 N	800 N
Maximum gate weight	880 kg	1000 kg	500 kg	500 kg
Safety edge, gate wing	Passive	Active	Active	Active
Safety edge, guide post	Active	Active	Active	Active
Set of photocells inside & outside	✓	✓	✓	✓
Toothed rack	Modul 4 plastic	Modul 4 plastic	Modul 4 plastic	Modul 4 plastic
Flashing light incl. LED lighting	✓	✓	✓	✓
Key switch	✓	✓	✓	✓
Hand held transmitter	✓	✓	✓	✓
Temperature minimum/maximum	-20°C / +50°C	-20°C / +50°	-20°C / +50°	-20°C / +50°

4.3. Operation

The gate's operating system is aligned with the options that have been agreed with the user/operator. The marked item ✓ applies to the supplied gate:

☐ Hold-to-run operation

The operating element (the switch) for the manual control has been installed in such a way that there is an overview of the risk areas as from the operating point. The operating element has one operating direction. As long as the operating element is operated, the gate wing will move. The end positions of the wing are checked and the drive is deactivated when they are reached through position switches on the toothed rack. If the operating element is released, the wing will stop moving.

☑ Impulse control

Different versions of the control elements are possible where a combination of these elements and the quantity are variable..

Operating elements:

- Key switches
- Push-button operation
- Hand held transmitter

An impulse from the above operating elements is sufficient to drive the gate in the required open or closed direction. When several impulses are issued simultaneously, the last issued impulse will always have priority. The operating elements must be fastened and/or issued by the operator in such a way that abuse can be prevented. In addition, the management of the gate must be arranged by the operator to prevent that, for example, the gate is not closed at night.

☐ Impulse control with vehicle detection

Different versions of the control elements are possible where a combination of these elements and the quantity are variable.

Operating elements:

- Key switches
- Push-button operation
- Hand held transmitter
- Magnetic loops
- Infrared beam

An impulse from the above operating elements is sufficient to drive the gate in the required open or closed direction. When several impulses are issued simultaneously, the last issued impulse will always have priority. The operating elements must be fastened and/or issued by the operator in such a way that abuse can be prevented. This does not apply if there are magnetic loops and an infrared beam. Aluconnect recommends that it is made clearly visibly to users which instructions must be followed in relation to these operating elements. In addition, the management of the gate must be arranged by the operator to prevent that, for example, the gate is not closed at night.

4.4. Resolving faults

If the sliding gate should not respond when the operating element is operated or if the gate will not move for a reason that is unclear, do the following:

- Check whether one or more of the safety edges is damaged or pressed in.
- Check whether one of the two photocells (the receiver) “clicks” when you screen off the photo cell with the palm of your hand. If the photocell does not “click”, it must be replaced.
- Check whether the batteries of the transfer system must be replaced (if present on the gate) The transfer system will issue a sound signal for approximately 2 weeks before the batteries must be replaced. The batteries in the transfer system will last approximately two years.

If the fault has not been resolved, you must contact your installer/supplier.
You can also contact the manufacturer. You will then be put into contact with a Aluconnect partner in your area.

4.5. Adjustment activities

The gate system will be adjusted in such a way when installed that it meets the agreed requirements. A user may not make any changes. If changes in the configuration or construction should be required later, contact your installer/supplier. If the user or third parties should change the adjustments made by the installer, guarantee claims will no longer be possible and Aluconnect can no longer be held liable.

4.6. Decommissioning

The plug can be taken out of the power outlet if the gate will not be operational for a longer period of time. This plug can be found on the inside of the drive portal. The portal can be locked so that unauthorised persons cannot activate the gate directly..
For external drives, disconnect the power supply for the drive or disconnect the power cable from the PCB. Detached cables should be well shielded.

5. Maintenance and maintenance schedule

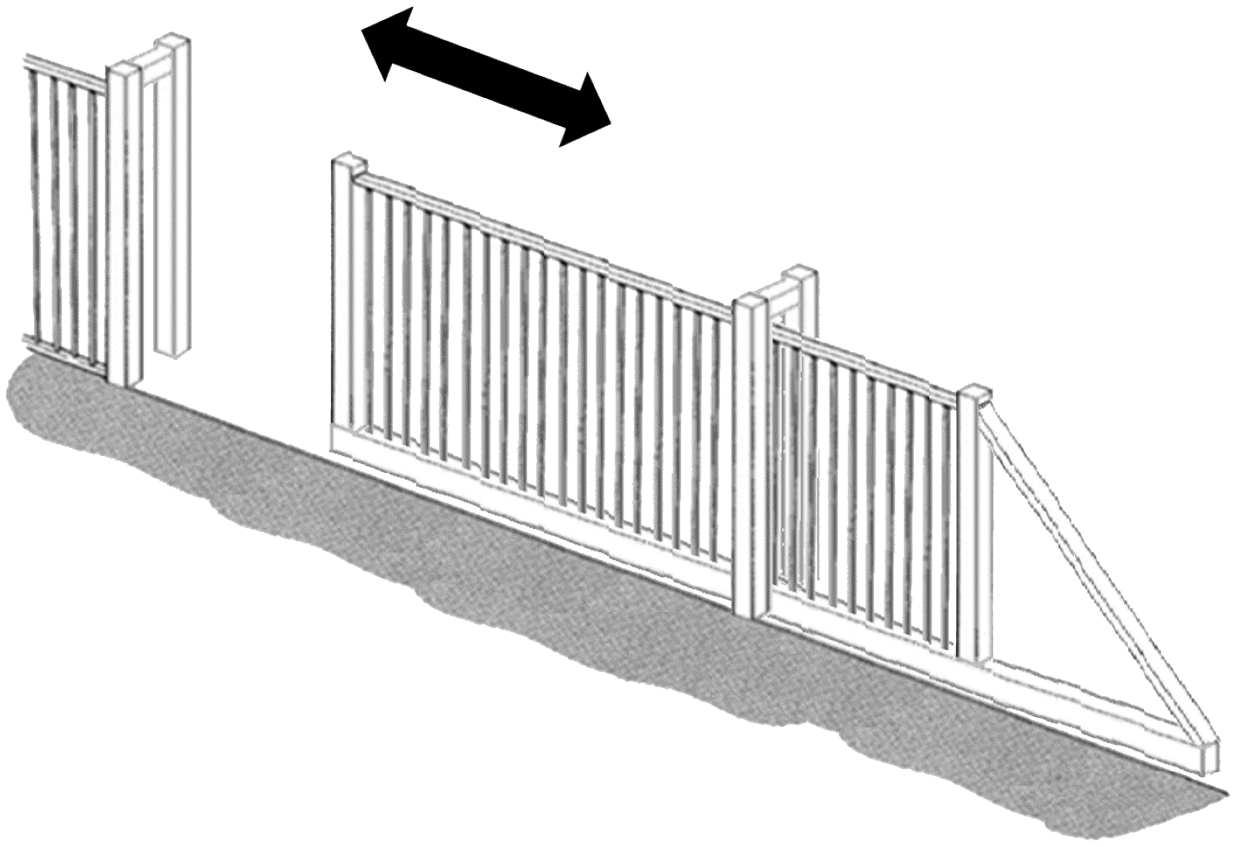
5.1. General

NOTE

- If electric components are present on the sliding gate, you must always disconnect the power supply before performing maintenance. Next, if there is a battery pack present, do not forget to disconnect the battery connection from the circuit board.
- Always bear in mind the entrapment hazard and the possibility of an electric shock during maintenance!

5.2. Daily care and maintenance

- Ensure that the slide area is always free from obstruction such as by growing or loose grass, leaves, branches that have grown through, snow, sand, stones, etc. so that the gate can move freely.
- Ensure that the gate runs smoothly.
- Check for damage.



5.3. Monthly maintenance

Cleaning
Clean the inside of the bottom profile once a month. This will prevent the penetration of dirt in the guide and prevent the gate from blocking or becoming stuck when operational.

- Put the gate in the closed position..
- Disconnect the power supply..
- Wipe clean the bottom profile using a cloth and therefore remove dust particles from the inside.
- Reconnect the power supply and check the gate to ensure its correct operation.

Never use grease or similar products in the guide system (C-profile).

Clean the sliding gate coating two to three times a year in the following manner:

- Spray the sliding gate with cold tap water to remove coarse dirt..
- Apply a pH neutral non-abrasive cleaning agent.
- Allow the cleaning agent to soak in sufficiently according to the respective product information. Then wipe the sliding gate with a soft cloth.
- Rinse abundantly with tap water. Preferably use warm water of approx. 40 °C for this purpose.

Clean the gate even if it has been exposed to aggressive conditions (e.g. road salt)..

Testing safety facilities
This gate has different safety devices. All safety devices must be regularly checked to ensure they operate correctly to prevent accidents involving the gate.

- Put the gate in the open position and press your flat hand against one of the safety edges. The gate must stop immediately. Repeat this for the other safety edges.
- Photocells (if available) must be cleaned once a month using a damp cloth. Next, close the gate and reach into the area between both top photocells with your hand. The gate must stop and return immediately. Repeat this with the bottom photocells.
- Check the flashing lights on the portals (if available) to determine their correct operation.

If one of these tests should not lead to the required result, you must immediately contact your supplier to resolve the problem.

5.4. Annual maintenance / 20,000 movements maintenance

NOTE

The instructions in this section must be performed by a relevantly certified and professional engineer and in accordance with the locally applicable legislation and regulations.

As the owner of the sliding gate, you must keep your sliding gate in such a condition that danger to the safety and health of the surroundings has been prevented as much as possible (see the Dutch Working Conditions Decree, section 7.5.1).
To realise this, the gate must be serviced at least once a year or after every 20,000 movements. This service must be performed by professional and certified persons.
You can enter into a maintenance contract for this with the supplier of your gate.

Replace the batteries of the transfer system on the vertical head bar of the gate (if present) each year.
Replace the batteries of any peripherals that are present on an annual basis.

5.5. Coating maintenance recommendations

These are the coating maintenance recommendations related to the VISEM Duplex-system powder coating quality requirements.

Ensure the coating is in good condition!

General
Aluminium and galvanized steel with a coating that meets the VISEM quality requirements has a long service life. This coating maintenance which is in the form of regular cleaning, can also extend the service life to an important extent and needs no further explanation.

Soiling
The coating may become dirty in a forest environment because of, for example, the growth of algae. Iron and/or copper particle deposits from the use of the rail will also have a coating soiling effect. At the coast up to approximately 25 km inland, it is mainly chlorides (salt) that have a negative effect on the coating. The coating will also be soiled by an acid environment in urban and industrial areas. In addition to this specific soiling, micro-dust is also deposited on a daily basis that settles in corners and adheres to the coating at these locations.

Maintenance and care
A correctly applied powder-coating system will retain its protective effect for many years. In addition, it guarantees an aesthetic look and feel when cleaning is part of the regular maintenance provided.

Cleaning method and frequency
We find coated galvanized aluminium inside, outside and around buildings. Window profiles are usually cleaned as part of window washing. However, fences, wall panels, structural parts and, for example, lampposts must be cleaned separately.

Cleaning the coated surfaces demands special knowledge and especially about:

- The nature and degree of dirt
- The cleaning equipment
- The cleaning methodReinigingsmiddelen
- Accessibility
- The design of the item

It is the job and responsibility of the cleaning company to recommend the most effective method for each situation. It is usually sufficient to have a standard cleaning plan drawn up in advance such as:

- Removal of coarse dirt by jetting using mains water.
- Spraying with a neutral or slightly alkaline cleaning agent and allowing it to act.
- Loosening the dirt deposit manually from the surface by using a white non-woven nylon hand pad.
- Next, rinsing thoroughly using mains water.

Coating care

Despite the application of excellent UV-resistant powder coatings and even with careful regular cleaning, treatment with a wax-based product is useful as an extra protection.

Cleaning products

Cleaning products must never negatively affect the coating and adjacent materials. This is why only neutral agents are allowed with a pH value between 6 and 8. Cleaning products must not contain scratching and/or (fine) abrasive materials. It should therefore be obvious that emery cloths, sanding paper, steel wool, Scotch-Brite pads, wire brushes and similar coarse tools/materials may not be used.

Maintenance and care tips

- Prevent damage to the coating.
- Clean the coating in a timely manner and carefully.
- Inspect the coating after cleaning on defects and have this repaired professionally immediately.
- Never use abrasive and/or scratching cleaning products and/or tools.
- Use pH neutral cleaning products that are also suitable for the environment (glass, rubbers, kits, plastics, etc.).
- Always rinse clean using mains water after cleaning.
- Use wax as an extra protective layer in the last rinsing water.

The cleaning frequency (see the table below) is determined, to an important degree, by the degree of dirt, the nature of and the degree of importance and by visual aspects. The dirt-loading factors as described under “soiling” often occur together. We then refer to an increased load factor. In all individual cases, a normal load is involved.

In addition to soiling, the coated surface is also regularly cleaned by the rain. When this important natural cleaning is involved, this coated surface will be less negatively affected than the parts that are under walls and/or are located in a lee.

Cleaning frequency

	Load factor	Load factor
	C2 - C3	C4 - C5
Flat surface that has not been rained on	1x per year	2x per year
Flat surface that has not been rained on	2x per year	3x per year
Profiled surface that has been rained on	2x per year	3x per year
Profiled surface that has not been rained on	3x per year	4x per year

The Powder Coating Warranty Conditions will lapse if the maintenance and cleaning advice described above is not complied with.
The Warranty Conditions powder coating can be requested from the supplier of your gate.

6. Environment, disassembly, storage and transport

6.1. Environment

Recycling

At the end of the product's service life, it must be disposed of separately from other waste.

6.2. Disassembly

Ask about the options on how to dispose of the product within your region when the product will no longer be used. Do not throw away electric equipment and components such as batteries and the accumulator, instead determine whether the product (or its components) can be delivered, recycled or reused.

If you do not have any of these options, skilfully remove all components that can be reused yourself such as metals, fastening materials and electric components. Remove plastic components for recycling.

6.3. Storage and transport

If you want to store or transport the product, make sure that you correctly package the product.
The product must be stored in a dry environment.

7. Declaration of Performance

7.1. Declaration of Performance: ALU-Slide VDS ECO, 180T, wind class 3

Project/serial number	Bijvoorbeeld: 12401234
Contemplated use	Sliding gates are intended for controlled access to a site, building or location.
Manufacturer's contact details	Aluconnect Kokerbijl 9 5443 PV Haps - The Netherlands
DOP number	ALU-Slide VDS ECO with 180T drive Wind class 3
CE marking	CE 24
Identification code	VDS, 180T, Class 3
Assessment and verification system	System 3
Harmonized standard	EN 13241-1:2003 + A2:2016
Notified body / Inspection body	0063, KIWA Nederland B.V.

Indicated performance:

Essential features	Requirements	Performance
Water-tightness	4.4.1	NPD
Release of hazardous substances	4.2.9	NPD
Wind load resistance	4.4.3	Class 3
Thermal resistance (if applicable)	4.4.5	NPD
Air permeability	4.4.6	NPD
Safe opening (for vertically moving doors)	4.2.8	NPD
Glass component geometry definition	4.2.5	NPD
Mechanical resistance and stability	4.2.3	PASS
Operating forces (for driven doors)	4.3.3	PASS
Water-tightness, thermal resistance and air permeability durability against degradation	4.4.7	NPD

Signed by:

Name	Eric Jans
Job title	Director
Location	Haps
Date	18-07-2024
Signature	

ALUCONNECT

7.2. Product features: ALU-Slide VDS ECO, 180T, wind class 3

Model	DoP nr.	Gate type	Passage width	Height	Drive	Control	Safety edge
Single Sliding gate	ALU-Slide VDS ECO with 180T drive Wind class 3	Punta Rosa Nika Dura Vira Kyra	≤ 8000mm	≤ 2500mm	Belfox Connect Slider 800	47.21.T	ASO SENTIR edge 35.55.CT
		Levi 30H Levi 30V Levi 80H Levi 80V Lara 1xC Luna 100H Luna 100V Luna 200H Luna 200V Luka 100S Lucy 70S	≤ 7000mm	≤ 1955mm			

7.3. Declaration of Performance: ALU-Slide AVANT, 180T, wind class 3

Project/serial number	Bijvoorbeeld: 12401234
Contemplated use	Sliding gates are intended for controlled access to a site, building or location.
Manufacturer's contact details	Aluconnect Kokerbijl 9 5443 PV Haps - The Netherlands
DOP number	ALU-Slide AVANT with 180T drive Wind class 3
CE marking	CE 24
Identification code	VDS, 180T, Class 3
Assessment and verification system	System 3
Harmonized standard	EN 13241-1:2003 + A2:2016
Notified body / Inspection body	0063, KIWA Nederland B.V.

Indicated performance:

Essential features	Requirements	Performance
Water-tightness	4.4.1	NPD
Release of hazardous substances	4.2.9	NPD
Wind load resistance	4.4.3	Class 3
Thermal resistance (if applicable)	4.4.5	NPD
Air permeability	4.4.6	NPD
Safe opening (for vertically moving doors)	4.2.8	NPD
Glass component geometry definition	4.2.5	NPD
Mechanical resistance and stability	4.2.3	PASS
Operating forces (for driven doors)	4.3.3	PASS
Water-tightness, thermal resistance and air permeability durability against degradation	4.4.7	NPD

Signed by:	
Name	Eric Jans
Job title	Director
Location	Haps
Date	15-04-2024
Signature	

7.4. Product features: ALU-Slide AVANT, 180T, wind class 3

Model	DoP nr.	Gate type	Passage width	Height	Drive	Control	Safety edge
Single Sliding gate	ALU-Slide AVANT with 180T drive Wind class 3	Punta Rosa Nika Dura Vira Kyra	≤ 8000mm	≤ 2500mm	Belfox Connect Slider 800	47.21.T	ASO SENTIR edge 35.55.CT
		Levi 30H Levi 30V Levi 80H Levi 80V Lara 1xC Luna 100H Luna 100V Luna 200H Luna 200V Luka 100S Lucy 70S	≤ 7000mm	≤ 2035mm			

7.5. Declaration of Performance: ALU-Slide AVANT, 180T, wind class 2

Project/serial number	Bijvoorbeeld: 12401234
Contemplated use	Sliding gates are intended for controlled access to a site, building or location.
Manufacturer's contact details	Aluconnect Kokerbijl 9 5443 PV Haps - The Netherlands
DOP number	ALU-Slide AVANT with 180T drive Wind class 2
CE marking	CE 24
Identification code	VDS, 180T, Class 2
Assessment and verification system	System 3
Harmonized standard	EN 13241-1:2003 + A2:2016
Notified body / Inspection body	0063, KIWA Nederland B.V.

Indicated performance:

Essential features	Requirements	Performance
Water-tightness	4.4.1	NPD
Release of hazardous substances	4.2.9	NPD
Wind load resistance	4.4.3	Class 2
Thermal resistance (if applicable)	4.4.5	NPD
Air permeability	4.4.6	NPD
Safe opening (for vertically moving doors)	4.2.8	NPD
Glass component geometry definition	4.2.5	NPD
Mechanical resistance and stability	4.2.3	PASS
Operating forces (for driven doors)	4.3.3	PASS
Water-tightness, thermal resistance and air permeability durability against degradation	4.4.7	NPD

Signed by:	
Name	Eric Jans
Job title	Director
Location	Haps
Date	15-04-2024
Signature	

7.6. Product features: ALU-Slide AVANT, 180T, wind class 2

Model	DoP nr.	Gate type	Passage width	Height	Drive	Control	Safety edge
Single Sliding gate	ALU-Slide AVANT with 180T drive Wind class 2	Punta Rosa Nika Dura Vira Kyra	> 8000mm ≤ 12000mm	≤ 2500mm	Belfox Connect Slider 800	47.21.T	ASO SENTIR edge 35.55.CT

7.7. Declaration of Performance: ALU-Slide AVANT, 250T, wind class 3

Project/serial number	Bijvoorbeeld: 12401234
Contemplated use	Sliding gates are intended for controlled access to a site, building or location.
Manufacturer's contact details	Aluconnect Kokerbijl 9 5443 PV Haps - The Netherlands
DOP number	ALU-Slide AVANT with 250T drive Wind class 3
CE marking	CE 24
Identification code	VDS, 250T, Class 3
Assessment and verification system	System 3
Harmonized standard	EN 13241-1:2003 + A2:2016
Notified body / Inspection body	0063, KIWA Nederland B.V.

Indicated performance:

Essential features	Requirements	Performance
Water-tightness	4.4.1	NPD
Release of hazardous substances	4.2.9	NPD
Wind load resistance	4.4.3	Class 3
Thermal resistance (if applicable)	4.4.5	NPD
Air permeability	4.4.6	NPD
Safe opening (for vertically moving doors)	4.2.8	NPD
Glass component geometry definition	4.2.5	NPD
Mechanical resistance and stability	4.2.3	PASS
Operating forces (for driven doors)	4.3.3	PASS
Water-tightness, thermal resistance and air permeability durability against degradation	4.4.7	NPD

Signed by:	
Name	Eric Jans
Job title	Director
Location	Haps
Date	15-04-2024
Signature	

7.8. Product features: ALU-Slide AVANT, 250T, wind class 3

Model	DoP nr.	Gate type	Passage width	Height	Drive	Control	Safety edge
Single Sliding gate	ALU-Slide AVANT with 250T drive Wind class 3	Punta Rosa Nika Dura Vira Kyra	≤ 8000mm	≤ 2500mm	Belfox Connect Slider 1000	47.21.T	ASO SENTIR edge 35.55.CT BIRCHER XRF21BK Transmitter XRF-T2 Receiver XRF-R2
		Levi 30H Levi 30V Levi 80H Levi 80V Lara 1xC Luna 100H Luna 100V Luna 200H Luna 200V Luka 100S Lucy 70S	≤ 7000mm	≤ 2035mm			

7.9. Declaration of Performance: ALU-Slide AVANT, 250T, wind class 2

Project/serial number	Bijvoorbeeld: 12401234
Contemplated use	Sliding gates are intended for controlled access to a site, building or location.
Manufacturer's contact details	Aluconnect Kokerbijl 9 5443 PV Haps - The Netherlands
DOP number	ALU-Slide AVANT with 250T drive Wind class 2
CE marking	CE 24
Identification code	VDS, 250T, Class 2
Assessment and verification system	System 3
Harmonized standard	EN 13241-1:2003 + A2:2016
Notified body / Inspection body	0063, KIWA Nederland B.V.

Indicated performance:

Essential features	Requirements	Performance
Water-tightness	4.4.1	NPD
Release of hazardous substances	4.2.9	NPD
Wind load resistance	4.4.3	Class 2
Thermal resistance (if applicable)	4.4.5	NPD
Air permeability	4.4.6	NPD
Safe opening (for vertically moving doors)	4.2.8	NPD
Glass component geometry definition	4.2.5	NPD
Mechanical resistance and stability	4.2.3	PASS
Operating forces (for driven doors)	4.3.3	PASS
Water-tightness, thermal resistance and air permeability durability against degradation	4.4.7	NPD

Signed by:	
Name	Eric Jans
Job title	Director
Location	Haps
Date	15-04-2024
Signature	

7.10. Product features: ALU-Slide AVANT, 250T, wind class 2

Model	DoP nr.	Gate type	Passage width	Height	Drive	Control	Safety edge
Single Sliding gate	ALU-Slide GRANDE with 250T drive Wind class 2	Punta Rosa Nika Dura Vira Kyra	> 8000mm ≤ 12000mm	≤ 2500mm	Belfox Connect Slider 1000	47.21.T	ASO SENTIR edge 35.55.CT BIRCHER XRF21BK Transmitter XRF-T2 Receiver XRF-R2

7.11. Declaration of Performance: ALU-Slide VDS ECO, 320T, wind class 3

Project/serial number	Bijvoorbeeld: 12401234
Contemplated use	Sliding gates are intended for controlled access to a site, building or location.
Manufacturer's contact details	Aluconnect Kokerbijl 9 5443 PV Haps - The Netherlands
DOP number	ALU-Slide VDS ECO with 320T drive Wind class 3
CE marking	CE 24
Identification code	VDS, 500T Speed, Class 3
Assessment and verification system	System 3
Harmonized standard	EN 13241-1:2003 + A2:2016
Notified body / Inspection body	0063, KIWA Nederland B.V.

Indicated performance:

Essential features	Requirements	Performance
Water-tightness	4.4.1	NPD
Release of hazardous substances	4.2.9	NPD
Wind load resistance	4.4.3	Class 3
Thermal resistance (if applicable)	4.4.5	NPD
Air permeability	4.4.6	NPD
Safe opening (for vertically moving doors)	4.2.8	NPD
Glass component geometry definition	4.2.5	NPD
Mechanical resistance and stability	4.2.3	PASS
Operating forces (for driven doors)	4.3.3	PASS
Water-tightness, thermal resistance and air permeability durability against degradation	4.4.7	NPD

Signed by:	
Name	Eric Jans
Job title	Director
Location	Haps
Date	18-07-2024
Signature	

7.12. Product features: ALU-Slide VDS ECO, 320T, wind class 3

Model	DoP nr.	Gate type	Passage width	Height	Drive	Control	Safety edge
Single Sliding gate	ALU-Slide VDS ECO with 320T drive Wind class 3	Punta Rosa Nika Dura Vira Kyra	≤ 8000mm	≤ 2500mm	Belfox Connect Slider speed	47.21.T	ASO SENTIR edge 35.55.CT BIRCHER XRF21BK Transmitter XRF-T2 Receiver XRF-R2
		Levi 30H Levi 30V Levi 80H Levi 80V Lara 1xC Luna 100H Luna 100V Luna 200H Luna 200V Luka 100S Lucy 70S	≤ 7000mm	≤ 1955mm			

7.13. Declaration of Performance: ALU-Slide VDS ECO, 500T Speed, wind class 3

Project/serial number	Bijvoorbeeld: 12401234
Contemplated use	Sliding gates are intended for controlled access to a site, building or location.
Manufacturer's contact details	Aluconnect Kokerbijl 9 5443 PV Haps - The Netherlands
DOP number	ALU-Slide VDS ECO with 500T Speed drive Wind class 3
CE marking	CE 24
Identification code	VDS, 500T Speed, Class 3
Assessment and verification system	System 3
Harmonized standard	EN 13241-1:2003 + A2:2016
Notified body / Inspection body	0063, KIWA Nederland B.V.

Indicated performance:

Essential features	**Requirements**	**Performance**
Water-tightness	4.4.1	NPD
Release of hazardous substances	4.2.9	NPD
Wind load resistance	4.4.3	Class 3
Thermal resistance (if applicable)	4.4.5	NPD
Air permeability	4.4.6	NPD
Safe opening (for vertically moving doors)	4.2.8	NPD
Glass component geometry definition	4.2.5	NPD
Mechanical resistance and stability	4.2.3	PASS
Operating forces (for driven doors)	4.3.3	PASS
Water-tightness, thermal resistance and air permeability durability against degradation	4.4.7	NPD

Signed by:	
Name	Eric Jans
Job title	Director
Location	Haps
Date	18-07-2024
Signature	

7.14. Product features: ALU-Slide VDS ECO, 500T, wind class 3

Model	DoP nr.	Gate type	Passage width	Height	Drive	Control	Safety edge
Single Sliding gate	ALU-Slide VDS ECO with 500T Speed drive Wind class 3	Punta Rosa Nika Dura Vira Kyra	≤ 8000mm	≤ 2500mm	Belfox Connect Slider speed	47.21.T	ASO SENTIR edge 35.85.CT BIRCHER XRF21BK Transmitter XRF-T2 Receiver XRF-R2
		Levi 30H Levi 30V Levi 80H Levi 80V Lara 1xC Luna 100H Luna 100V Luna 200H Luna 200V Luka 100S Lucy 70S	≤ 7000mm	≤ 1955mm			

7.15. Declaration of Performance: ALU-Slide AVANT, 500T Speed, wind class 3

Project/serial number	Bijvoorbeeld: 12401234
Contemplated use	Sliding gates are intended for controlled access to a site, building or location.
Manufacturer's contact details	Aluconnect Kokerbijl 9 5443 PV Haps - The Netherlands
DOP number	ALU-Slide AVANT with 500T Speed drive Wind class 3
CE marking	CE 24
Identification code	VDS, 500T Speed, Class 3
Assessment and verification system	System 3
Harmonized standard	EN 13241-1:2003 + A2:2016
Notified body / Inspection body	0063, KIWA Nederland B.V.

Indicated performance:

Essential features	Requirements	Performance
Water-tightness	4.4.1	NPD
Release of hazardous substances	4.2.9	NPD
Wind load resistance	4.4.3	Class 3
Thermal resistance (if applicable)	4.4.5	NPD
Air permeability	4.4.6	NPD
Safe opening (for vertically moving doors)	4.2.8	NPD
Glass component geometry definition	4.2.5	NPD
Mechanical resistance and stability	4.2.3	PASS
Operating forces (for driven doors)	4.3.3	PASS
Water-tightness, thermal resistance and air permeability durability against degradation	4.4.7	NPD

Signed by:

Name	Eric Jans
Job title	Director
Location	Haps
Date	15-04-2024
Signature	

7.16. Product features: ALU-Slide AVANT, 500T Speed, wind class 3

Model	DoP nr.	Gate type	Passage width	Height	Drive	Control	Safety edge
Single Sliding gate	ALU-Slide AVANT with 500T Speed drive Wind class 3	Punta Rosa Nika Dura Vira Kyra	≤ 8000mm	≤ 2500mm	Belfox Connect Slider speed	47.21.T	ASO SENTIR edge 35.85.CT BIRCHER XRF21BK Transmitter XRF-T2 Receiver XRF-R2
		Levi 30H Levi 30V Levi 80H Levi 80V Lara 1xC Luna 100H Luna 100V Luna 200H Luna 200V Luka 100S Lucy 70S	≤ 7000mm	≤ 2035mm			

7.17. Declaration of Performance: ALU-Slide AVANT, 500T Speed, wind class 2

Project/serial number	Bijvoorbeeld: 12401234	
Contemplated use	Sliding gates are intended for controlled access to a site, building or location.	
Manufacturer's contact details	Aluconnect Kokerbijl 9 5443 PV Haps - The Netherlands	
DOP number	ALU-Slide AVANT with 500T Speed drive Wind class 2	
CE marking	CE 24	
Identification code	VDS, 500T Speed, Class 2	
Assessment and verification system	System 3	
Harmonized standard	EN 13241-1:2003 + A2:2016	
Notified body / Inspection body	0063, KIWA Nederland B.V.	
Indicated performance:		
Essential features	**Requirements**	**Performance**
Water-tightness	4.4.1	NPD
Release of hazardous substances	4.2.9	NPD
Wind load resistance	4.4.3	Class 2
Thermal resistance (if applicable)	4.4.5	NPD
Air permeability	4.4.6	NPD
Safe opening (for vertically moving doors)	4.2.8	NPD
Glass component geometry definition	4.2.5	NPD
Mechanical resistance and stability	4.2.3	PASS
Operating forces (for driven doors)	4.3.3	PASS
Water-tightness, thermal resistance and air permeability durability against degradation	4.4.7	NPD
Signed by: Name Job title Location Date Signature	 Eric Jans Director Haps 15-04-2024	

7.18. Product features: ALU-Slide AVANT, 500T Speed, wind class 2

Model	DoP nr.	Gate type	Passage width	Height	Drive	Control	Safety edge
Single Sliding gate	ALU-Slide AVANT with 500T Speed drive Wind class 2	Punta Rosa Nika Dura Vira Kyra	> 8000mm ≤ 10000mm	≤ 2500mm	Belfox Connect Slider speed	47.21.T	ASO SENTIR edge 35.85.CT BIRCHER XRF21BK Transmitter XRF-T2 Receiver XRF-R2

8. Declaration of Conformity

8.1. EU - Declaration of Conformity: ALU-Slide with 180-T

ALUCONNECT

Aluconnect B.V.
Kokerbijl 9
5443 PV Haps - The Netherlands
Tel: +31 (0) 88 33 43 000
e-mail: info@aluconnect.nl
www.aluconnect.nl

Declares that the ALU-Slide VDS ECO and the ALU-Slide AVANT gate with automation:

Connect Slider 800 ↔ 180-t
Belfox GmbH, D-36148 Kalbach

is in conformity with the fundamental requirements of the following EC directives, harmonised standards and declarations of conformity:

Directives:

- 2006/42/EC Machinery Directive
- 305/2011/EC Construction Products Directive
- 2014/30/EC Electromagnetic Compatibility

Harmonised standards:

- EN 13241 : 2003+A2 : 2016
- EN 12604 : 2017+A1 : 2020
- EN 12453 : 2017+A1 : 2021
- EN-IEC 60335-2-103 : 2015

- EU-declarations of conformity Connect-Slider 800 van 07-10-2022

Location: Haps The Netherlands Date: 15-04-2024

Eric Jans
Director

8.2. Declaration for the construction of an incomplete machine: Connect Slider 800

Erklärung für den Einbau einer unvollständigen Maschine

im Sinne der Richtlinie 2006/42/EG, Anhang II Teil 1B

BelFox Torautomatik GmbH
Forsthaus 4
36148 Kalbach

Hiermit erklären wir, dass die unvollständigen Maschinen
Schiebetorantrieb
Connect Slider 800

soweit es vom Lieferumfang her möglich ist, den grundlegenden Anforderungen der folgenden Richtlinien übereinstimmt:

Maschinenrichtlinie 2006/42/EG
EMV – Richtlinie (2014/30/EU
Niederspannungsrichtlinie (2014/35/EU)
Funkanlagenrichtlinie RED (2014/53/EU)
RoHS (EU-Richtlinie 2011/65/EU)

Angewandte harmonisierte Normen, deren Fundstellen im Amtsblatt der EU veröffentlicht worden sind:

EN ISO 13849-1:2008 Cat.2 / PLc –
Kraftbegrenzung und Auswertung Sicherheitskontaktleisten
DIN EN 60335-1/2, soweit diese zutreffen
Sicherheit von elektrischen Geräten/Antriebe für Tore
DIN EN 61000-6-3
Elektromagnetische Verträglichkeit - Störaussendung
DIN EN 61000-6-2
Elektromagnetische Verträglichkeit – Störfestigkeit
DIN EN 60335-2-103
Sicherheit elektrische Geräte für den Hausgebrauch und ähnliche Zwecke
-Teil 2: Besondere Anforderungen für Antriebe für Tore, Türen und Fenster

Ferner erklären wir, dass die speziellen technischen Unterlagen für diese unvollständige Maschine nach Anhang VII Teil B erstellt wurden und verpflichten uns, diese auf Verlangen den Marktaufsichtsbehörden über unsere Dokumentationsabteilung zu übermitteln.

Die Inbetriebnahme der unvollständigen Maschine wird so lange untersagt, bis die unvollständige Maschine in eine Maschine eingebaut wurde, die den Bestimmungen der EG-Maschinenrichtlinie entspricht und für die eine EG-Konformitätserklärung gemäß Anhang II A vorliegt

D-36148 Kalbach; 07.10.2022 **Unterschrift:** Jens Broßmann

Name und Funktion: Jens Broßmann, Normen- und Dokumentationsbeauftragter,
Dokumentenverantwortlicher,
Ingenieur Elektro- und Entwicklungstechnik

Anhang

Anforderungen des Anhangs I von 2006/42/EG, die eingehalten wurden. Die Nummern beziehen sich auf die Abschnitte von Anhang I:
1.1.2, 1.1.3, 1.1.5, 1.2.1, 1.2.6, 1.3.2, 1.3.4, 1.3.7, 1.3.9, 1.5.1, 1.5.6, 1.5.11, 1.7.1, 1.7.1.1, 1.7.2, 1.7.3, 1.7.4, 1.7.4.1, 1.7.4.2 (teilweise)

8.3. EU - Declaration of Conformity: ALU-Slide with 250-T

ALUCONNECT

Aluconnect B.V.
Kokerbijl 9
5443 PV Haps - The Netherlands
Tel: +31 (0) 88 33 43 000
e-mail: info@aluconnect.nl
www.aluconnect.nl

Declares that the ALU-Slide VDS ECO and the ALU-Slide AVANT with automation:

Connect Slider 1000 ↔ 250-t
Belfox GmbH, D-36148 Kalbach

is in conformity with the fundamental requirements of the following EC directives, harmonised standards and declarations of conformity:

Directives:

- o 2006/42/EC Machinery Directive
- o 305/2011/EC Construction Products Directive
- o 2014/30/EC Electromagnetic Compatibility

Harmonised standards:

- o EN 13241 : 2003+A2 : 2016
- o EN 12604 : 2017+A1 : 2020
- o EN 12453 : 2017+A1 : 2021
- o EN-IEC 60335-2-103 : 2015

- o EU-declarations of conformity Connect-Slider 1000 van 07-10-2022

Location: Haps The Netherlands Date: 15-04-2024

Eric Jans
Director

ALUCONNECT

8.4. Declaration for the construction of an incomplete machine: Connect Slider 1000

Erklärung für den Einbau einer unvollständigen Maschine

im Sinne der Richtlinie 2006/42/EG, Anhang II Teil 1B

BelFox Torautomatik GmbH
Forsthaus 4
36148 Kalbach

Hiermit erklären wir, dass die unvollständigen Maschinen
Schiebetorantrieb
Connect Slider 1000

soweit es vom Lieferumfang her möglich ist, den grundlegenden Anforderungen der folgenden Richtlinien übereinstimmt:

Maschinenrichtlinie 2006/42/EG
EMV – Richtlinie (2014/30/EU
Niederspannungsrichtlinie (2014/35/EU)
Funkanlagenrichtlinie RED (2014/53/EU)
RoHS (EU-Richtlinie 2011/65/EU)

Angewandte harmonisierte Normen, deren Fundstellen im Amtsblatt der EU veröffentlicht worden sind:

EN ISO 13849-1:2008 Cat.2 / PLc –
Kraftbegrenzung und Auswertung Sicherheitskontaktleisten
DIN EN 60335-1/2, soweit diese zutreffen
Sicherheit von elektrischen Geräten/Antriebe für Tore
DIN EN 61000-6-3
Elektromagnetische Verträglichkeit - Störaussendung
DIN EN 61000-6-2
Elektromagnetische Verträglichkeit – Störfestigkeit
DIN EN 60335-2-103
Sicherheit elektrische Geräte für den Hausgebrauch und ähnliche Zwecke
-Teil 2: Besondere Anforderungen für Antriebe für Tore, Türen und Fenster

Ferner erklären wir, dass die speziellen technischen Unterlagen für diese unvollständige Maschine nach Anhang VII Teil B erstellt wurden und verpflichten uns, diese auf Verlangen den Marktaufsichtsbehörden über unsere Dokumentationsabteilung zu übermitteln.

Die Inbetriebnahme der unvollständigen Maschine wird so lange untersagt, bis die unvollständige Maschine in eine Maschine eingebaut wurde, die den Bestimmungen der EG-Maschinenrichtlinie entspricht und für die eine EG-Konformitätserklärung gemäß Anhang II A vorliegt

D-36148 Kalbach; 07.10.2022 **Unterschrift:** Jens Broßmann

Name und Funktion: Jens Broßmann, Normen- und Dokumentationsbeauftragter,
Dokumentenverantwortlicher,
Ingenieur Elektro- und Entwicklungstechnik

Anhang

Anforderungen des Anhangs I von 2006/42/EG, die eingehalten wurden. Die Nummern beziehen sich auf die Abschnitte von Anhang I:
1.1.2, 1.1.3, 1.1.5, 1.2.1, 1.2.6, 1.3.2, 1.3.4, 1.3.7, 1.3.9, 1.5.1, 1.5.6, 1.5.11, 1.7.1, 1.7.1.1, 1.7.2, 1.7.3, 1.7.4, 1.7.4.1, 1.7.4.2 (teilweise)

8.5. EU - Declaration of Conformity: ALU-Slide with 320-T

ALUCONNECT

Aluconnect B.V.
Kokerbijl 9
5443 PV Haps - The Netherlands
Tel: +31 (0) 88 33 43 000
e-mail: info@aluconnect.nl
www.aluconnect.nl

Declares that the ALU-Slide VDS ECO and the ALU-Slide AVANT with automation:

Connect Slider SPEED ↔ 320-t
Belfox GmbH, D-36148 Kalbach

is in conformity with the fundamental requirements of the following EC directives, harmonised standards and declarations of conformity:

Directives:

- 2006/42/EC Machinery Directive
- 305/2011/EC Construction Products Directive
- 2014/30/EC Electromagnetic Compatibility

Harmonised standards:

- EN 13241 : 2003+A2 : 2016
- EN 12604 : 2017+A1 : 2020
- EN 12453 : 2017+A1 : 2021
- EN-IEC 60335-2-103 : 2015

- EU-declarations of conformity Connect-Slider SPEED van 07-10-2022

Location: Haps The Netherlands Date: 15-04-2024

Eric Jans
Director

ALUCONNECT

8.6. Declaration for the construction of an incomplete machine: Connect Slider SPEED

Erklärung für den Einbau einer unvollständigen Maschine

im Sinne der Richtlinie 2006/42/EG, Anhang II Teil 1B

BelFox Torautomatik GmbH
Forsthaus 4
36148 Kalbach

Hiermit erklären wir, dass die unvollständigen Maschinen
Schiebetorantrieb
Connect Slider SPEED

soweit es vom Lieferumfang her möglich ist, den grundlegenden Anforderungen der folgenden Richtlinien übereinstimmt:

Maschinenrichtlinie 2006/42/EG
EMV – Richtlinie (2014/30/EU
Niederspannungsrichtlinie (2014/35/EU)
Funkanlagenrichtlinie RED (2014/53/EU)
RoHS (EU-Richtlinie 2011/65/EU)

Angewandte harmonisierte Normen, deren Fundstellen im Amtsblatt der EU veröffentlicht worden sind:

EN ISO 13849-1:2008 Cat.2 / PLc –
Kraftbegrenzung und Auswertung Sicherheitskontaktleisten
DIN EN 60335-1/2, soweit diese zutreffen
Sicherheit von elektrischen Geräten/Antriebe für Tore
DIN EN 61000-6-3
Elektromagnetische Verträglichkeit - Störaussendung
DIN EN 61000-6-2
Elektromagnetische Verträglichkeit – Störfestigkeit
DIN EN 60335-2-103
Sicherheit elektrische Geräte für den Hausgebrauch und ähnliche Zwecke
-Teil 2: Besondere Anforderungen für Antriebe für Tore, Türen und Fenster

Ferner erklären wir, dass die speziellen technischen Unterlagen für diese unvollständige Maschine nach Anhang VII Teil B erstellt wurden und verpflichten uns, diese auf Verlangen den Marktaufsichtsbehörden über unsere Dokumentationsabteilung zu übermitteln.

Die Inbetriebnahme der unvollständigen Maschine wird so lange untersagt, bis die unvollständige Maschine in eine Maschine eingebaut wurde, die den Bestimmungen der EG-Maschinenrichtlinie entspricht und für die eine EG-Konformitätserklärung gemäß Anhang II A vorliegt

D-36148 Kalbach; 07.10.2022 **Unterschrift:** Jens Broßmann

Name und Funktion: Jens Broßmann, Normen- und Dokumentationsbeauftragter,
Dokumentenverantwortlicher,
Ingenieur Elektro- und Entwicklungstechnik

Anhang

Anforderungen des Anhangs I von 2006/42/EG, die eingehalten wurden. Die Nummern beziehen sich auf die Abschnitte von Anhang I:
1.1.2, 1.1.3, 1.1.5, 1.2.1, 1.2.6, 1.3.2, 1.3.4, 1.3.7, 1.3.9, 1.5.1, 1.5.6, 1.5.11, 1.7.1, 1.7.1.1, 1.7.2, 1.7.3, 1.7.4, 1.7.4.1, 1.7.4.2 (teilweise)

8.7. EU - Declaration of Conformity: ALU-Slide with 500-T Speed

ALUCONNECT

Aluconnect B.V.
Kokerbijl 9
5443 PV Haps - The Netherlands
Tel: +31 (0) 88 33 43 000
e-mail: info@aluconnect.nl
www.aluconnect.nl

Declares that the ALU-Slide VDS ECO and the ALU-Slide AVANT with automation:

Connect Slider SPEED ↔ 500-t Speed
Belfox GmbH, D-36148 Kalbach

is in conformity with the fundamental requirements of the following EC directives, harmonised standards and declarations of conformity:

Directives:

- o 2006/42/EC Machinery Directive
- o 305/2011/EC Construction Products Directive
- o 2014/30/EC Electromagnetic Compatibility

Harmonised standards:

- o EN 13241 : 2003+A2 : 2016
- o EN 12604 : 2017+A1 : 2020
- o EN 12453 : 2017+A1 : 2021
- o EN-IEC 60335-2-103 : 2015

- o EU-declarations of conformity Connect-Slider SPEED van 07-10-2022

Location: Haps The Netherlands Date: 15-04-2024

Eric Jans
Director

ALUCONNECT

8.8. Declaration for the construction of an incomplete machine: Connect Slider SPEED

Erklärung für den Einbau einer unvollständigen Maschine

im Sinne der Richtlinie 2006/42/EG, Anhang II Teil 1B

BelFox Torautomatik GmbH
Forsthaus 4
36148 Kalbach

Hiermit erklären wir, dass die unvollständigen Maschinen
Schiebetorantrieb
Connect Slider SPEED

soweit es vom Lieferumfang her möglich ist, den grundlegenden Anforderungen der folgenden Richtlinien übereinstimmt:

Maschinenrichtlinie 2006/42/EG
EMV – Richtlinie (2014/30/EU
Niederspannungsrichtlinie (2014/35/EU)
Funkanlagenrichtlinie RED (2014/53/EU)
RoHS (EU-Richtlinie 2011/65/EU)

Angewandte harmonisierte Normen, deren Fundstellen im Amtsblatt der EU veröffentlicht worden sind:

EN ISO 13849-1:2008 Cat.2 / PLc –
Kraftbegrenzung und Auswertung Sicherheitskontaktleisten
DIN EN 60335-1/2, soweit diese zutreffen
Sicherheit von elektrischen Geräten/Antriebe für Tore
DIN EN 61000-6-3
Elektromagnetische Verträglichkeit - Störaussendung
DIN EN 61000-6-2
Elektromagnetische Verträglichkeit – Störfestigkeit
DIN EN 60335-2-103
Sicherheit elektrische Geräte für den Hausgebrauch und ähnliche Zwecke
-Teil 2: Besondere Anforderungen für Antriebe für Tore, Türen und Fenster

Ferner erklären wir, dass die speziellen technischen Unterlagen für diese unvollständige Maschine nach Anhang VII Teil B erstellt wurden und verpflichten uns, diese auf Verlangen den Marktaufsichtsbehörden über unsere Dokumentationsabteilung zu übermitteln.

Die Inbetriebnahme der unvollständigen Maschine wird so lange untersagt, bis die unvollständige Maschine in eine Maschine eingebaut wurde, die den Bestimmungen der EG-Maschinenrichtlinie entspricht und für die eine EG-Konformitätserklärung gemäß Anhang II A vorliegt

D-36148 Kalbach; 07.10.2022 **Unterschrift:** Jens Broßmann

Name und Funktion: Jens Broßmann, Normen- und Dokumentationsbeauftragter,
Dokumentenverantwortlicher,
Ingenieur Elektro- und Entwicklungstechnik

Anhang

Anforderungen des Anhangs I von 2006/42/EG, die eingehalten wurden. Die Nummern beziehen sich auf die Abschnitte von Anhang I:
1.1.2, 1.1.3, 1.1.5, 1.2.1, 1.2.6, 1.3.2, 1.3.4, 1.3.7, 1.3.9, 1.5.1, 1.5.6, 1.5.11, 1.7.1, 1.7.1.1, 1.7.2, 1.7.3, 1.7.4, 1.7.4.1, 1.7.4.2 (teilweise)

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