



www.holux-door.de



General Catalogue

www.holux-door.de
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Content

Automatic Doors

Holux S150

Holux X3/X4



AUTOMATIC DOORS

About us, our mission, our vision & our values

Production of exceptional and modern entrance solutions for our precious customers combined with outstanding quality and aesthetics is our mission in Holux Corporation.

By the means of mechanical and engineering experts, design and quality control teams we are continuously pushing out the boundaries to create revolutionary entrance systems for you. The choice of automatic doors is huge. Meticulous quality control ensures that our products enter the market as impeccable as possible.

Holux is Deuschtec GmbH - Automatic Doors international division which aims to offer high quality products that enjoy a full spectrum of international standards with the most reasonable prices by collaborating with our local business partners.

Deuschtec GmbH - Automatic Doors, a pioneering German manufacturer of automatic pedestrian doors, has been producing its entrance solutions in accordance with DIN 18650, DIN EN 60335, EN ISO 13849 and EN 16005 and is an esteemed member of FTA. Deuschtec GmbH - Automatic Doors has acquired TUV for its escape and non-escape models and also for ISO 9001. In order to satisfy an even broader range of customers across the globe, including the United States, Deuschtec GmbH - Automatic Doors has decided to bring Holux in.

Holux Automatic Doors introduction:

Holux, Automatic Doors, offers a comprehensive range of sliding products and a variety of related accessories.

If you are looking for a holistic, innovative and right solution for your entrance, quality products and the expected individual attention, Holux is your go-to! We will gladly submit an individual offer to satisfy all your needs.

We have managed to bring beauty and quality together. Our products not only give every façade a pleasant look, but also meet architects, general contractors, and end users' quality needs for the latest technologies all over the globe.

Holux's goals can be summarized in customer satisfaction and maintaining outstanding quality which are achieved through constant customer support, exceptional services and continuous research and development with the help of our specialist team.

We have given the old German concept "Made to last a lifetime", a whole new meaning.

At Holux, we care about you and your needs.

In our products overview section, you will see that Holux has the sliding door systems to operate any kind of door application you are planning.

If you have any questions, feel free to contact us by phone or email.

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AUTOMATIC DOORS

Product overview:

Holux main sliding doors are:

- Holux S150
- Holux X3
- Holux X4

Holux s150/slim drive introduction:

Holux S150 is made for undemanding entrances to places with high traffic, doors with normal or triple-glazing glass, average-sized entries or tall wide heavy doors. Slim operator of Holux S150 gifts any architecture with a stunning look.

Holux X3 introduction:

Holux X3 is an excellent choice for places where average-sized doors with normal glass will do. This model stands a maximum load of 200 kg with considerable ease.

Holux X4 introduction:

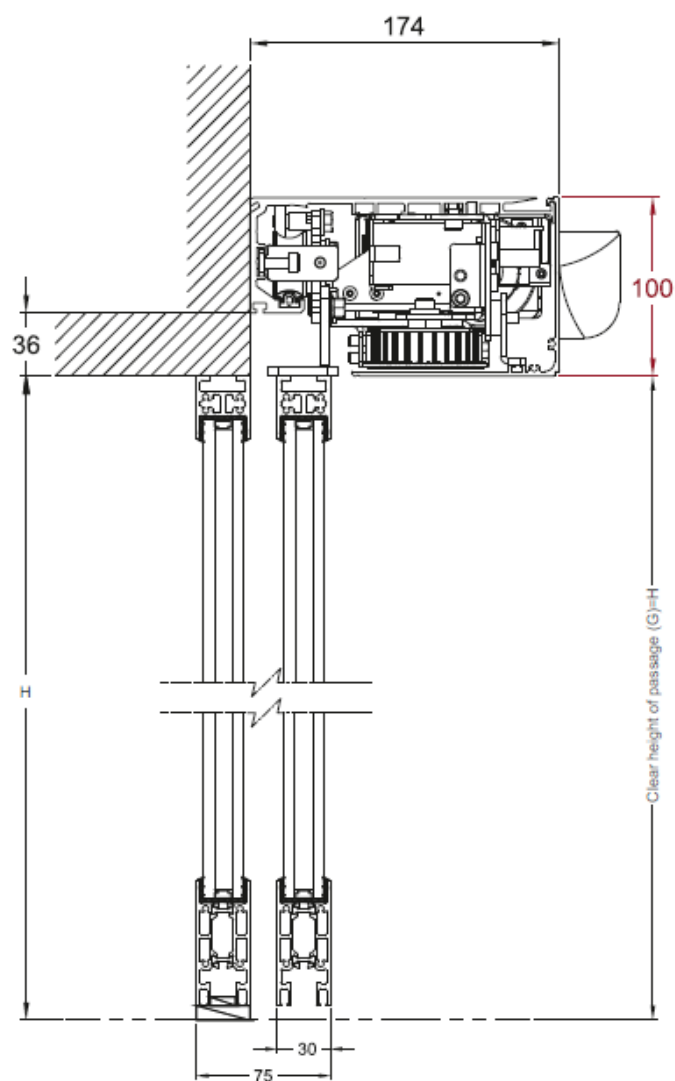
Holux X4 is specially designed for the most demanding interior or exterior applications and provides superior strength and sturdiness. This model can easily handle a maximum load of 300 kg.

Holux S150



Holux S150

Holux S150 is made for undemanding entrances to places with high traffic, doors with normal or triple-glazing glass, average-sized entries or tall wide heavy doors. Slim operator of Holux S150 gifts any architecture with a stunning look.



Holux S150 specifications:

Operator height	100mm
Operator depth	174mm
Max leaf weight (single)	200kg
Max leaf weight (double)	2 x 150kg
Opening width - single panel	800 - 2000mm
Opening width - double panel	1000 - 3000mm
Opening speed	100 - 700mm/s
Closing speed	100 - 700mm/s
Hold-open time	0 - 30s
Ambient temperature	-15 to + 50°C
Protection class	IP20
100% German-made operator kit	✓
Track profile	Stainless Steel
Anti-noise rubber profile	✓
Input power	230V AC ± 10%, 50/60 Hz
Gear motor power	100W
Max operation cycles with 2.2 Ah backup battery	450
Possibility to adjust force limitation according to DIN 18650 & EN 16005	✓
mechanical key switch (Optional)	✓
possibility to use safety sensors with testing signal for opening direction	✓
24V DC output for external accessories	✓
Power lock lock monitoring	✓
possibility of using electromechanical lock (Optional)	✓
possibility of using digital program switch (Optional)	✓
Read-out error memory with error codes (with digital programme switch)	✓

Frame Types

THB	✓
TBS	✓
UTS	✓
Saturn	✓
Frameless	✓

Standard

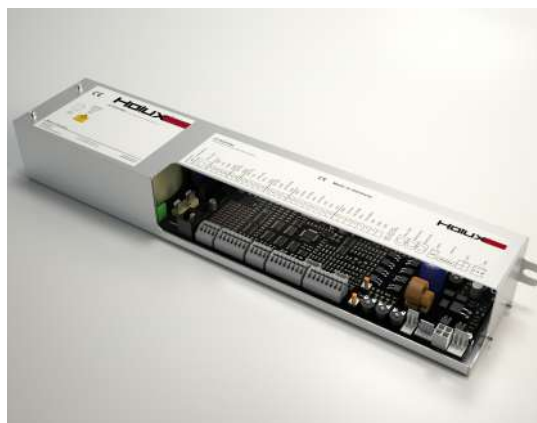
DIN 18650	✓
EN 16005	✓
EN 60335	✓
EN ISO 13849-1:2008	✓
TÜV approved	✓
CE conformity	✓
Tested for 1.000.000 Cycles	✓

Control Unit

Holux S150 new controlling microprocessor circuit board is designed and made by utilizing the most novel parts and latest technologies. Hence despite its miniscule size, its capabilities are incredibly superior to those of older models. In each and every step of designing and producing this controller, we have taken care of all research, design and production stages in Germany and under close supervision of our German engineers who have decades of invaluable experience and we have also thoroughly followed all European Union and German DIN norms, such as machinery directives and electromagnetic compatibility (EMC) regulations. This has led Holux S150 controller to ensure your safety and live a much longer prosperous life compared to similar products. Moreover, due to the use of sophisticated technologies to save energy and resources, you can be justly proud of enjoying an eco-friendly technology!

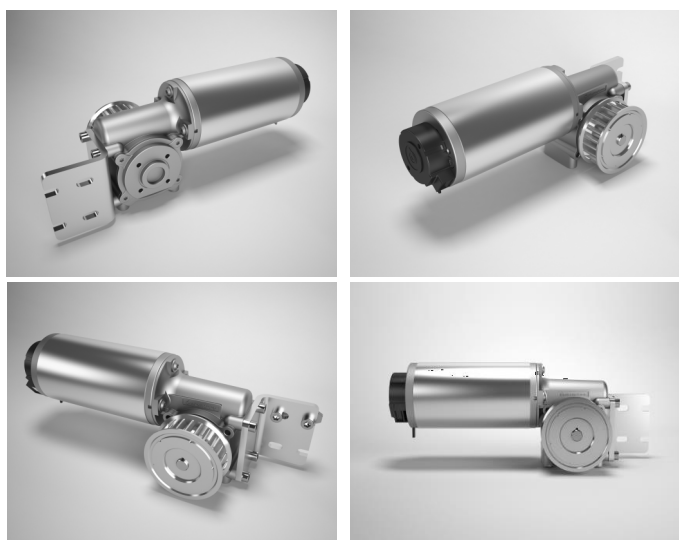
Some points worth considering are:

- Ability to work with battery in case of power-cut for non-escape models.
- Ability to charge and perfectly maintain the battery which brings the battery a much longer lifetime.
- Ability to match with various types of sensors available in the market.
- Ability to be adjusted and programmed by digital program switch.
- Self-diagnose and error detection.
- Having standard RS485 interface for connecting to other accessories.
- Ability to automatically adjust speed and slopes according to input voltage changes.
- Ability to work with 20% higher or lower than nominal input voltage.
- Completely protected system input ports which reduce the damage risk due to human error during installation.



Motor Assembly:

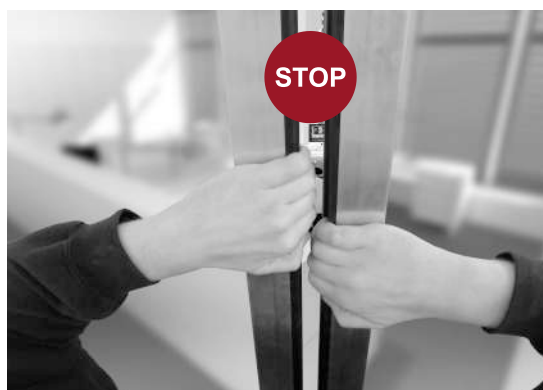
Like its other state-of-the-art parts, Holux S150 motors are fully made in Germany. Their 100W motors are absolutely indestructible and are there to ensure reliable performance for a lifetime. Great efficiency and enhanced function are achieved through employing years of experience and the latest technologies in the process of our motors' design and production. These brushed DC motors are so quiet that while in action, you will hear nothing but a muffled sound



Power Lock:

In many cases, there is no real need for (optional) electromechanical lock and buildings ensure security by other means.

However, it is necessary for the entrance to be allowed limited access. In this case, power lock free function is a wholesome solution. When the door is locked, if there is pressure on it for becoming open, the motor will use its full power in the opposite direction and make it practically improbable to enter for unauthorized individuals.



Electro-Mechanical Lock Slider:

Holux electromechanical slider lock has been designed for the highest levels of security. It utilizes steel pins to lock both leaves simultaneously and therefore, is much safer compared to those models which lock the timing belt or just one leaf.

Furthermore, since it employs bistable mechanism, system's power reset does not affect the lock's state. Due to using powerful batteries and an intelligent circuit, battery usage is reduced to zero when the door is locked and there is a power-cut. Thus, even weeks after the input electricity has been cut, the system can open the lock and the door by the key switch, which is an optional accessory and can be installed outside of the entry area.



Digital Program Switch:

Our digital program switch's easy-to-read, full-text display provides perfectly well-defined access to all performance data and parameters. Adjustment and diagnostic processes can be accurately duplicated or customized to meet your specific needs. Moreover, it has protection password code. It must be hard to resist the lure of such a brilliant "optional" part!



Mechanical Key Switch :

A mechanical key switch might sound a little old-fashioned. The upside, however, is that due to its being around for quite a long time, you will need no special knowledge or expertise to enjoy its advantages. It also offers five modes: full open, partial open, lock, automatic and one-way. This key switch is simply another tempting accessory!



Holux Battery :

Our doors will always open for you! Holux sliding systems' 2.2 Ah battery will be your trusted friend for all time. This strong vital part will open and close your door up to 400 times in case of power failure. You never have to worry again whether your backup generator supports you or not because Holux S150 is its own backup!



Track Profile:

Since our stainless steel track profiles are rust-proof and anti-abrasion, they will never need to be replaced. This will be a great value for your money during time and will prevent any possible complication which may happen when replacing profiles.



Holux X3/X4



Holux X3/X4

If you desire the smartest technology, the most efficient system, the smoothest entrance solution and the most elegant design, we are proud to say that the search is over: Holux X-Series is what you are looking for!



Standard	Holux X3	Holux X4
DIN 18650	✓	✓
EN 16005	✓	✓
EN 60335	✓	✓
EN ISO 13849	✓	✓
Manufactured according to DIN ISO 9001	✓	✓
EU low-voltage directives	✓	✓
CE conformity	✓	✓
EU EMC directives	✓	✓

Frame Types	Holux X3	Holux X4
THB	✓	✓
TBS	✓	✓
UTS	✓	✓
Saturn	✓	✓
Frameless	✓	✓

Holux Specifications:	Holux X3	Holux X4
Operator height	120mm	120mm
Operator depth	150mm	150mm
Max leaf weight (single)	150kg	200kg
Max leaf weight (double)	2 x 100kg	2 x 150kg
Opening width - single panel	800 - 2000mm	800 - 2000mm
Opening width - double panel	1000 - 3000mm	1000 - 3000mm
Opening speed	Variable up to 1.1m/s (Double leaves)	Variable up to 1.1m/s (Double leaves)
Closing speed	Variable up to 1.1m/s (Double leaves)	Variable up to 1.1m/s (Double leaves)
Hold-open time	0 - 30s	0 - 30s
Ambient temperature	-15 to + 50°C	-15 to + 50°C
Protection class	IP20	IP20
Track profile	Detachable aluminum	Detachable aluminum
Input power	230V AC + 10%, 50/60 Hz	230V AC + 10%, 50/60 Hz
Input power US-version	115V AC + 10%, 50/60 Hz	115V AC + 10%, 50/60 Hz
Gear motor power	50W	100W
Max power consumption	200W	250W
German-made motor	✓	✓
Max operation cycles with 2.2 Ah backup battery	≈400	≈400
Mechanical key switch	✓	✓
Rechargeable backup battery	optional	optional
Possibility to use safety sensors with testing signal	✓	✓
Digital program switch	optional	optional
Electromechanical lock	optional	optional
Power lock	✓	✓
24V DC output for external accessories	✓	✓
Read-out error memory with error codes (with digital program switch)	✓	✓
tested for 1,000,000 cycles	✓	✓

Holux X3/X4

We have considered your longing for a glamorous facade and this is why our system offers the 120 mm header. Our sleek profiles are a perfect combination of beauty and strength. The aesthetically pleasing entrances we provide enjoy impressive frame designs, which are capable of matching with both aluminum and glass to fulfill every single need for modern charming architecture.

Being an outstanding example of glamour coupled with great strength, Holux X3 is an excellent choice for places where average-sized doors with normal glass will do. This model stands a maximum load of 200kg with considerable ease. Our user friendly masterpiece understands and fulfills your desire for an eco-friendly entry solution. Moreover, we have made sure your budget is taken care of. Holux X3's highest standards are there to guarantee the security you deserve whether you are doing your daily shopping at a local department store, enjoying your stay at a cozy hotel or entertaining at a snug bowling alley!

Holux X4 is specially designed for the most demanding interior or exterior applications and provides superior strength and sturdiness. This model can easily handle a maximum load of 300 kg. Holux X4 welcomes traffic where tall and heavy doors or triple-glazing glass are required, is low maintenance, energy saving and the safest solution for you, regardless of whether you are relaxing at a hotel, having fun at a recreational center, shopping at a chain store or taking care of administrative tasks at a governmental building.

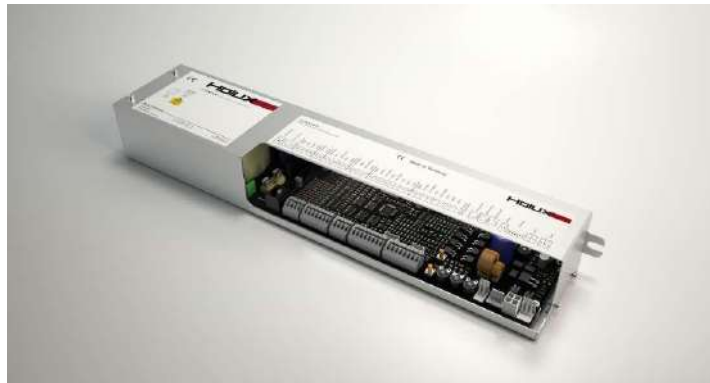


Control Unit

Holux X3/X4 new controlling microprocessor circuit board is designed and made by utilizing the most novel parts and latest technologies. Hence despite its miniscule size, its capabilities are incredibly superior to those of older models. In each and every step of designing and producing this controller, we have taken care of all research, design and production stages in Germany and under close supervision of our German engineers who have decades of invaluable experience and we have also thoroughly followed all European Union and German DIN norms, such as machinery directives and electromagnetic compatibility (EMC) regulations. This has led Holux X3/X4 controller to ensure your safety and live a much longer prosperous life compared to similar products. Moreover, due to the use of sophisticated technologies to save energy and resources, you can be justly proud of enjoying an ecofriendly technology!

Meeting following standards:

- EN ISO 13849-1
- DIN 18650-2
- DIN 18650-1
- EN 16005
- EN 60335-1



Some points worth considering are

- Ability to work with battery in case of power cut for non-escape models.
- Ability to charge and perfectly maintain the battery which brings the battery a much longer lifetime.
- Ability to match with various types of sensors available in the market.
- Ability to be adjusted and programmed by digital program switch.
- Self-diagnose and error detection.
- Having standard RS485 interface for connecting to other accessories.
- Ability to automatically adjust speed and slopes according to input voltage changes.
- Ability to work with 20% higher or lower than nominal input voltage.
- Completely protected system input ports which reduce the damage risk due to human error during installation.

Motor Assembly:

In case you fancy the most reliable system which will be there for life, Holux X3/X4 is your best option possible. Made in Germany, their robust motor easily handles high traffic for an indefinite time. It assures durability and promotes maximum efficiency. Being maintenance-free and having surface protection and minimum interference radiation, this motor promises user-friendliness and longevity. Holux X3/X4 brushed DC motor works so smoothly that their noise is literally like an almost inaudible whisper!



Power Lock:

In many cases, there is no real need for (optional) electromechanical lock and buildings ensure security by other means.

However, it is necessary for the entrance to be allowed limited access. In this case, power lock free function is a wholesome solution. When the door is locked, if there is pressure on it for becoming open, the motor will use its full power in the opposite direction and make it practically improbable to enter for unauthorized individuals.



Aluminum Track Profile:

There are so many pleasant sounds on this planet which color our world. However, Holux sliding doors please you with nothing but a faint hum! You see you're Holux doors open welcomingly although you do not hear them! Our unbelievably smooth entrance solution employs a detachable aluminum track profile with a rubber profile to reduce the noise to no more than a muffle..



Holux Battery :

Our doors will always open for you

Holux sliding systems' 2.2 Ah battery will be your trusted friend for all time. This strong vital part will open and close your door up to 400 times in case of power failure. You never have to worry again whether your backup generator supports you or not because Holux X-Series is its own backup!

In case of using a remote control or any other battery-operated device, battery's life in the event of power-cut depends on how much the receiver or other accessories draw on the energy.



Electro-Mechanical Lock:

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Furthermore, since it employs bistable mechanism, system's power reset does not affect the lock's state. Due to using powerful batteries and an intelligent circuit, battery usage is reduced to zero when the door is locked and there is a power-cut. Thus, even weeks after the input electricity has been cut, the system can open the lock and the door by the key switch, which is an optional accessory and can be installed outside of the entry area.



Digital Program Switch:

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Mechanical Key Switch :

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Holux X4 is specially designed for the most demanding interior or exterior applications and provides superior strength and sturdiness. This model can easily handle a maximum load of 300 kg. Holux X4 welcomes traffic where tall and heavy doors or triple-glazing glass are required, is low maintenance, energy saving and the safest solution for you, regardless of whether you are relaxing at a hotel, having fun at a recreational center, shopping at a chain store or taking care of administrative tasks at a governmental building.



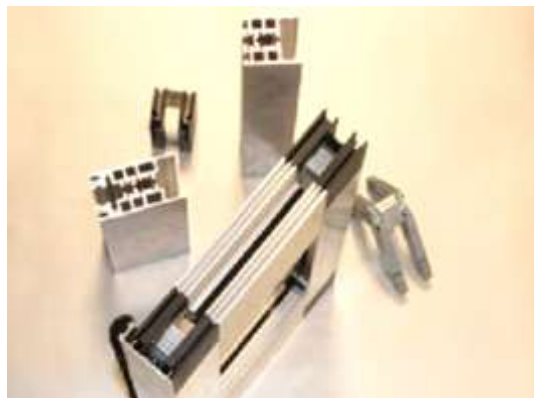
Introduction to frames used in holux systems:

Door frames are an essential concern when it comes to security and is often overlooked. No matter how sturdy the door or secure the locks are, if the door hinges have been drilled into a thin frame, it can be kicked down in seconds by someone determined to do it. Because most locks and deadbolts protrude into the door jamb and rely on it for support, choosing the right frame is a vital part of ensuring that your doors are securely attached.

Deuschtec Products can be matched with many different types of frames such as THB, TBS, UTS, and Saturn, or they can even be employed frameless. This versatility allows our products to be flexible toward its respected clients' visions and wants. Our Thermal Break frames are the ultimate solutions for saving energy in harsh weather.

We have two different type of frames:

1. We will provide you a full set of doors for our hermetic, breakout, revolving, and curve doors because of their unique looks and efficiency, including their specific frame.
2. Our sliding door frames, which are THB, TBS, UTS, and SATURN, can match with any of the Deuschtec sliding doors.



THB frame:

Compared to various kinds of aluminum frames, this sturdy and robust frame which unique metal corners have made it incredibly strong to a great degree immune to impacts. By using thermal break technology (preventing any energy waste) in addition to being suitable for using double-glazing and even triple-glazing glass, it is designed to withstand any undesired or harsh weather conditions.

THB frame is also using the latest Styrene Butadiene Rubber Insulation to saving energy to the maximum efficiency.

By having 40 mm thickness, you can also use THB frames for heavy doors. Plastic-coated corners have given unique beauty to this type of frame. THB frames are TÜV approved for use in emergency escape routes.

THB Features:

MAX protection against cold penetration

True thermally-broken frame profile

Made to order profiles:

If you wish, you can easily cut your profiles to any size and yet benefit from the thermal-break feature

Weather-strip exterior application:

With the thermal break THB frame's grooved exterior, it's possible to seal and cover movement spaces like openings and closings of leaves with a weather strip, rendering the frame completely sealed and preventing sound from entering

Selectable type of glass:

Insulating glass

Heat protection glass

Solar control glass

Safety glass

Fire-resistant glass

Maximum door dimensions:

Max system width: 6250 mm

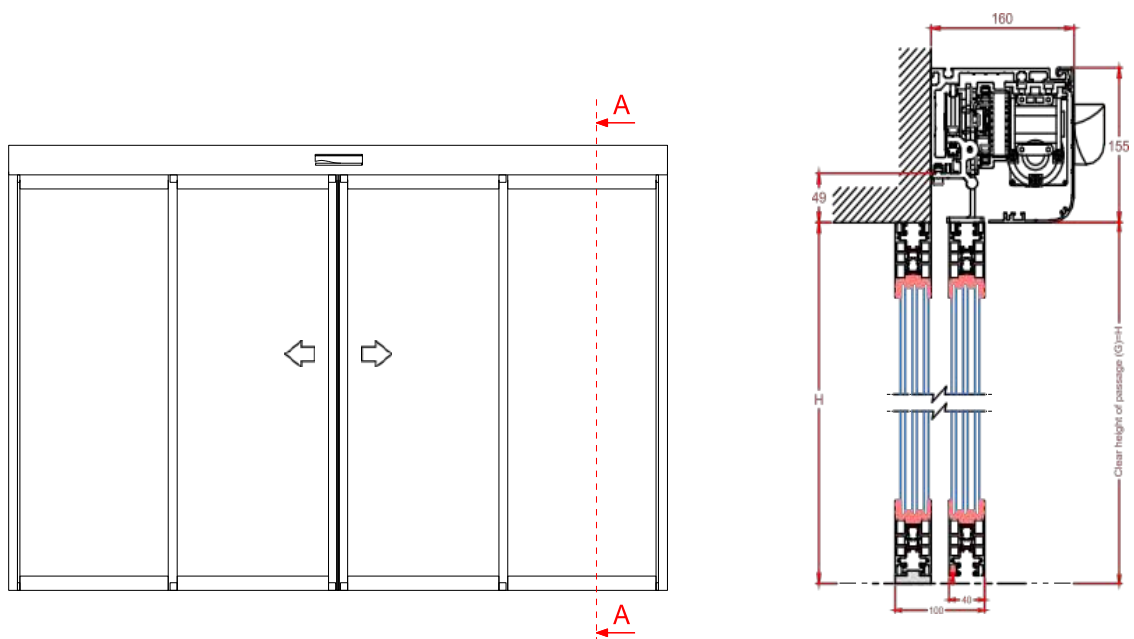
Max passage width: 3000 mm

Max passage height: 3000 mm



Meets the energy EnEV 2009	✓
UD- values	From 1,4 till max, 1,8 W/m2k
Certified thermal insulation Values according to EN ISO 10077	✓

THB Frames Instruction



TBS Frame:

The TBS frame is an economical and inexpensive solution. Besides being a thermal break, it can be coupled with double-glazing glass. Its thinness (30 mm) and one-of-a-kind combination with Deuschtec Airdrive series have made the TBS frame a smart, gorgeous choice for modern architecture. This type of frame has successfully been tested for escaped doors. You can install double glazed glass to save energy. The profiles developed by Deuschtec are thermally separated and therefore reduce the heat transfer coefficient.

TBS features:

Extremely narrow face width (vertically only 32mm, horizontally only 70mm)

Flexible glazing with rubber seals

Simple production thanks to pre-machined profiles

Kits for moving leaves and side panels available

All accessories included

Universal adaptation to many drive types

U - Values up to 1.5W / (m²K), tested by ift Rosenheim (Test report No. 150-003754-PR03) ift Rosenheim

Selectable type of glass:

Insulating glass

Heat protection glass

Solar control glass

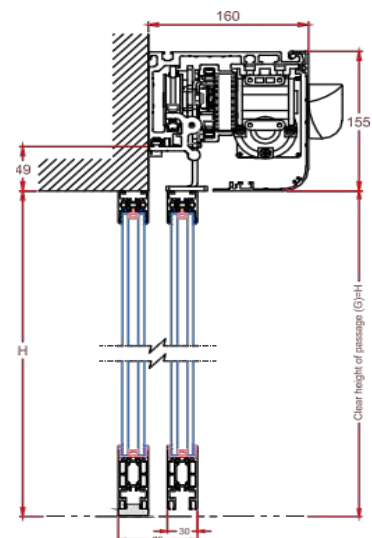
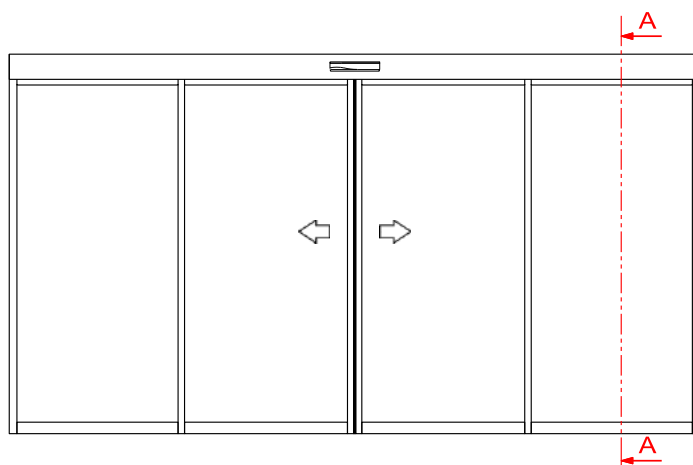
Sound protection glass

Safety glass

Fire-resistant glass



TBS Frames Instruction



UTS Frame:

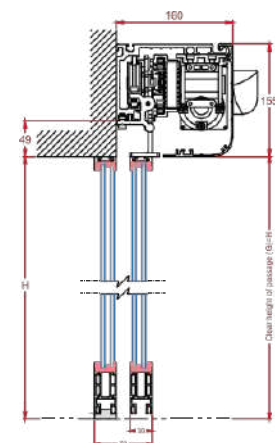
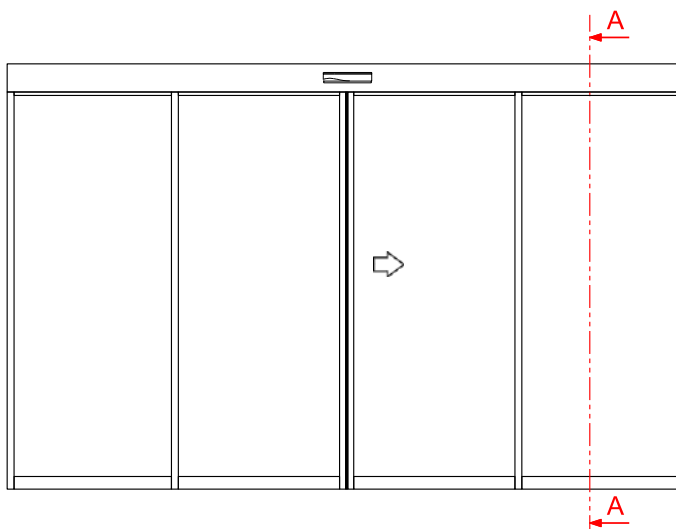
This frame is the non-thermal break version of TBS and has all its advantages. Due to not being a thermal break, it has an even more competitive price. While enjoying all TBS beauties, for buildings' inside doors and places where the exchange of cold and hot air does not matter much, UTS is an excellent value.

Selectable type of glass:

Solar control glass

Safety glass

Fire-resistant glass



Saturn Frame:

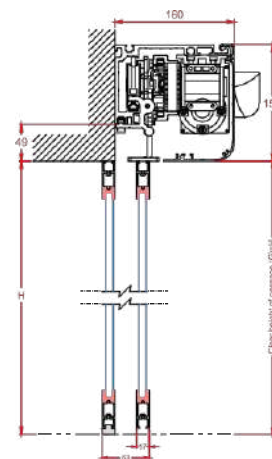
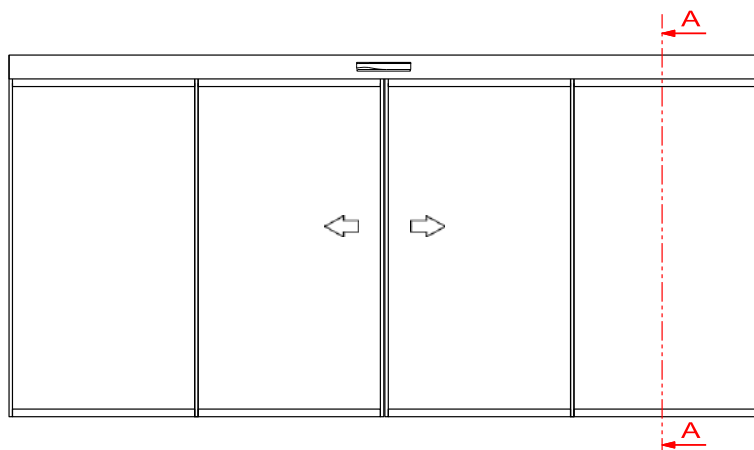
This is a reasonably-priced frame suitable for single-glazing and tempered glass. When you wish to have a glass frontage and yet, prefer to use a thin frame instead of frameless glass, Saturn is a convenient Economic solution.

SATURN is an excellent solution when you intend to install the door inside the wall; when you open the door, all the leaves would be hidden inside the wall, and you will not see the door!

SATURN is also the right choice for inside the buildings and automatic sliding doors because of its narrowness and lightness.

Selectable type of glass:

- Insulating glass
- Heat protection glass
- Solar control glass
- Safety glass
- Fire-resistant glass



Frameless:

This full-glass system is the most suitable choice for those who wish to have elegance combined with radiance. These sliding doors provide an excellent light exchange between the inside and outside.

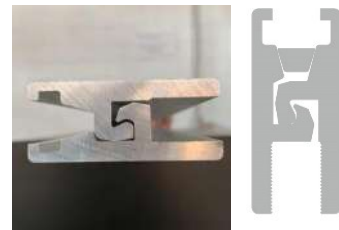
You can use any glass in presses or producing like raw glass, tempered glass, semi-tempered glass, etc.

You can use a customized floor guide base on the entrance view or building; you change the floor guide depends on the view.

Selectable type of glass:

Insulating glass

Solar control glass



Frameless Frames Instruction



Maximum Glass Thickness for each Frame:

Frame Types

THB	Up to 32 mm
TBS	Up to 22 mm
UTS	Up to 22 mm
Saturn	Up to 12 mm
Frameless	8-12 mm



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