



GEZE DOOR GUIDE

Sliding door – Swing door – Revolving door

Our guide to the right door solution



APPLICATION AREAS

Sliding doors

Sliding doors ensure comfortable and safe access to your building, in the façade and also inside the building. As space-saving and quiet doors, they have become indispensable in many buildings. Be it as a manual or automatic solution: GEZE sliding door systems are visually outstanding and blend into every style of architecture. The barrier-free automatic sliding door systems with state-of-the-art drive technology are highly-functional. This makes it possible to realize the most varied of usage requirements.

SLIDING DOOR AUTOMATICS

With GEZE automatic door solutions you combine barrier free access with a great variety of functions and elegant door design. For the door to meet the required functionality, it is important to consider all aspects before completing the purchase. GEZE has many examples of industry solutions, ready to meet your requirements. Our product experts are always available to support you in your project. Don't hesitate to contact us!

For the optimal solutions that meet the project requirements it is important to consider the following:

USAGE

What is the purpose of the door? Is it an entrance door, a hallway door or a safety door? What is the amount of people passing through the door and to what extent does the door demand for extra consideration in terms of barrier free access, hygienic conditions, noise reduction, fire safety etc.?

DOOR SAFETY

Door safety is of high importance to avoid injuries from contact between a person and the door. According to EN16005, it is the building type which specifies the tolerated contact. With the right measures of the door size and the safety sensors from GEZE, we help you assure the door safety.

OPERATION OF THE DOOR

At GEZE we provide several solutions for how to operate the door. All automatic door drives can be adjustably programmed to the opening and closing speed best suitable for the door usage. In addition, there is a high variety of door activation possibilities available, depending on the need.

THE DOOR SIZE

The size of the door is an important parameter for choosing the right door drive. Configuration of the drive to meet your specific project demands is our specialty. When considering the door size it is also important to keep in mind the fittings of the door. This may decrease the space left to the door leaf's weight.

CABLES

For the most professional, safe and clean looking installation the cables to the door should be hidden in the walls and frames of the door. Prearrangements with the supplier ensures that the right cables are drawn before installation of the door and the automatic drive.

INSTALLATION CONDITIONS

What are the preconditions for the area where the door is to be installed? Different locations in a building provide different installation conditions, which again demands for different solutions from the supplier.

THE USER

Who will be using the door? Depending on user profile the door needs to comply to several regulations. According to EN16005, the user of a public building demand for other safety needs than the user of a private building. See more on page 8-9.

FIRE SAFETY

Is the door located in an area with specific fire regulations? Sliding doors are seldomly used as escape doors, but can be preconfigured to remain open in case of located in an escape route, or to remain closed when a smoke reduction is needed. Ask our experts for the special requirements for doors with fire safety demands.

ENFORCEMENT OF THE WALLS

The functionality of the complete automatic door solutions depends on the correct mounting of the door. For the door to be steady with a perfect functionality, the frame of the door has to be stable and strong. Always make sure the walls are enforced according to the recommendations of the supplier.



Slimdrive SL NT



ECdrive T2



Powerdrive PL



MAINTENANCE

It is important to have your automatic sliding door serviced annually. The EN 16005 standard requires this for owners of an automatic sliding door. When annual maintenance is performed, the life of an automatic door will increase by 30%.

APPLICATION AREAS

Swing doors

Swing doors in numerous variants guide us comfortably through daily life. Swing doors – also called single-action doors – are omnipresent. Be it as a barrier-free automatic door in private or public buildings, where doors should be opened with absolutely no effort, or varieties that are equipped with a door closer for manual opening: door technology and drive systems by GEZE open and close swing doors comfortably, safely and in line with your individual requirements.



ECturn



Slimdrive EMD-F



Powerturn

SWING DOOR AUTOMATICS

With GEZE automatic door solutions you combine barrier free access with a great variety of functions and elegant door design. For the door to meet the required functionality, it is important to consider all aspects before completing the purchase. GEZE has many examples of industry solutions, ready to meet your requirements. Our product experts are always available to support you in your project. Don't hesitate to contact us!

For the optimal solutions that meet the project requirements it is important to consider the following:

USAGE

What is the purpose of the door? Is it an entrance door, a hallway door or a safety door? What is the amount of people passing through the door and to what extent does the door demand for extra consideration in terms of barrier free access, hygienic conditions, noise reduction, fire safety etc.?

OPERATION OF THE DOOR

At GEZE we provide several solutions for how to operate the door. All automatic door drives can be adjustably programmed to the opening and closing speed best suitable for the door usage. In addition, there is a high variety of door activation possibilities available, depending on the need.

DOOR SAFETY

Door safety is of high importance to avoid injuries from contact between a person and the door. According to EN16005, it is the building type which specifies the tolerated contact. With the right measures of the door size and the safety sensors from GEZE, we help you assure the door safety. For door safety we also recommend a door stop on your swing door, which in some cases is integrated in the functionality of the automatic drive.

THE DOOR SIZE

The size of the door is an important parameter for choosing the right door drive. Configuration of the drive to meet your specific project demands is our specialty. When considering the door size it is also important to keep in mind the fittings of the door. This may decrease the space left to the door leaf's weight.

ENFORCEMENT OF THE WALLS

The functionality of the complete automatic door solutions depends on the correct mounting of the door. For the door to be steady with a perfect functionality, the frame of the door has to be stable and strong. Always make sure the walls are enforced according to the recommendations of the supplier.

CABLES

For the most professional, safe and clean looking installation the cables to the door should be hidden in the walls and frames of the door. Prearrangements with the supplier ensures that the right cables are drawn before installation of the door and the automatic drive.

THE USER

Who will be using the door? Depending on user profile the door needs to comply to several regulations. According to EN16005, the user of a public building demand for other safety needs than the user of a private building. See more on page 8-9.

INSTALLATION CONDITIONS

What are the preconditions for the area where the door is to be installed? Different locations in a building provide different installation conditions, which again demands for different solutions from the supplier.

FIRE SAFETY

Is the door located in an area with specific fire regulations? Is it an escape door? There are special requirements for doors with fire safety demands.



MAINTENANCE

It is important to have your automatic swing door serviced annually. The EN 16005 standard requires this for owners of an automatic swing door. When annual maintenance is performed, the life of an automatic door will increase by 30%.



APPLICATION AREAS

Revolving doors

With revolving doors, you combine access convenience, safety and “round” door aesthetics at elegant entrances. Just like elegant curved sliding doors, they handle the constant in and out harmoniously, whether as an automatic door or the manual version. The variety of drive systems offers the optimum operating mode for every building use. Revolving doors have an insulating effect against weather influences and keep draughts outside. They separate the inside and outside climate and contribute to energy efficiency within the building.



Sport & Culture



Healthcare



Historic Buildings



Retail Industry



Hotel & Gastronomy



Office Buildings



Public Buildings



Education

REVOLVING DOORS

With a revolving door from GEZE you combine convenient access, safety and elegantly curved door aesthetics at sophisticated entrances. The revolving door is the first impression in your building's foyer, and at GEZE we are proud to give you perfectly designed doors in elegant look. The door meet the required functionality of barrier free access with a great variety of functions. Before choosing your revolving door type, it is important to consider all aspects of the door. Our product experts are always available to support you in your project. Don't hesitate to contact us!

For the optimal solutions that meet the project requirements it is important to consider the following:

MANUAL OR AUTOMATIC

GEZE offers both manual and automatic revolving doors. Different parameters help determine the right type of door. Depending on type of building the door preference can be either manual or automatic. Manual revolving doors are more common in office buildings, public buildings like museums or libraries, or at restaurants. In these locations, people often have their hands free to push the door and there is a small amount of people using the door at the same time. Automatic revolving doors make it easy for people to access in a high frequency. This is convenient at supermarkets, shopping centers, airports or concert halls. The door speed is adjustable, as is the door size.

DOOR SAFETY

Door safety is of high importance to avoid injuries from contact between a person and the door. With revolving doors the risk of contact with the user is high. The contact with a manual door is necessary, while the contact with an automatic door is to be avoided. With safety sensors the contact can be avoided. GEZE sensor systems are available of highest market standard to assure the safety in your building. Thorough information on signs on the door can also help increase the safety of the door.

HEATING

Heating device is possible to integrate or install independently.

DOOR SIZE AND NUMBER OF LEAVES

For the door to meet the required demand, it must be the right size and right amount of leaves: 2,3 or 4. To determine this, it is important to consider the amount of users. Manual revolving doors are often small, as the user has to be able to push the door. Automatic revolving doors can be of different size. It is always important to think of the capacity needed for the door. At GEZE we configure the door to meet your needs. The alternative to installing a large automatic revolving door, can be to install several small manual or automatic doors. Consider the options and make the choice which fits your project the best.

OPERATION OF THE DOOR

At GEZE we provide several solutions for how to operate the door. Our activation devices for the revolving doors ensure smooth operation, and we help you with programming of the adjustable speed control and security functionalities. Night functionality is also available. Break out function required or not?

CABLES

For the most professional, safe and smooth looking installation the cables to the door should be hidden in the walls and roof surrounding the door.

THE USER

Who will be using the door? Depending on user profile the door can be either manually operated, or if users are children or older people, the automatic solutions, should be installed.

THOROUGH INFORMATION

For the revolving door, manual or automatic, it is a great significance with thorough information on the door. Safety is highly increased if the user is guided with signs informing about direction of the door, risk of slippery floors or even instructions to parents to help the children.

THE FLOOR

The floor in the revolving door must be considered in the configuration. The door has both a visual functionality as well as a functional purpose. The material can make it more visually clear to the user that they are entering a revolving door, increasing the user safety. At the same time it can prevent slippery situation and keep the user safe from falling. It can also collect dirt and be inconvenient for cleaning, causing the door to become harder to move and even to stop. To avoid unnecessary maintenance and assure the smooth use of the door, choose carefully when selecting the floor of the revolving door.

FLOOR RING

It makes installation of revolving doors easier, also is it used as floor covering edging. The ring must be installed before finished floor installation.

EN16005

As the EN16005 was implemented as part of the Machinery Directive in 2013, the demand for healthy and safety requirements on automatic doors increased. The increased safety is in favor of the users of the doors, and in particular the elderly, disabled and children, who benefits the most from the automatic doors. The standard considers two types of risk; high risk and tolerated risk, depending on the target user.

RISK LEVEL	BUILDING TYPES	SAFETY LEVEL
High risk	Public buildings, schools, hospitals, kinder garden, elderly homes, libraries, health-care environments, airports	Contact with the door is forbidden
Tolerated risk	Private buildings, offices buildings, restaurants, hotels	Contact with the door is tolerated

As a market leader in door automatics, GEZE supplies you with the necessary documents for each door solution:

- The log book must be kept up to date by installation and all maintenance visits
- The safety analysis must be completed by installation of a door drive
- Instructions manuals come with the door, and at GEZE we are happy to train you in operating your new automatic door

ADVICE NEEDED?

At GEZE, our goal is your long-term satisfaction, and we want our products to meet your needs in a reliable and trouble-free way. Therefore local GEZE experts are always available to guide you on which products to select to your door project.



EN 16005 INSTALLATIONS

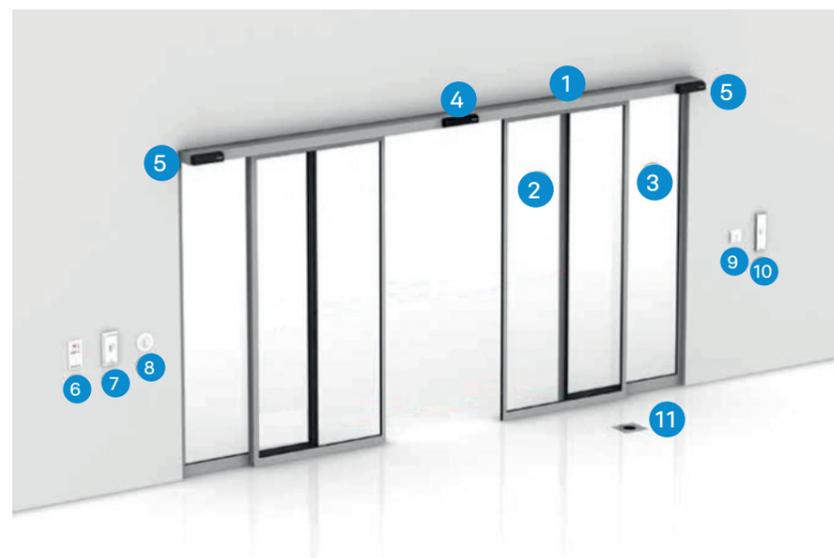
Choosing the right safety sensor, is critical for the door to operate according to EN 16005. The general rule is that when a large proportion of the users are elderly, infirm, disabled persons and young children any contact of the doorset with the user is unacceptable. At the same time, the law differs between public buildings with access for everyone and private buildings with restricted access.

BUILDING	RISK TYPE	DOOR TYPE	SOLUTIONS
Office building	TOLERATED RISK Contact with the door is tolerated		 1
Private building			 2
Hotel & Gastronomy			 3
Retail Industry			 3
Kindergarden Schools	HIGH RISK Contact with the door is forbidden		 4
Health Care			 5
Public building			 5

- 1 GC 363 R**
Combined detector for activating and safeguarding of automatic sliding doors
- 2 GC 342**
Laser scanner for the protection of automatic swing doors with integrated object and wall blanking
- 3 GC 334 / GC 335**
Electronically adjustable active infrared sensor with dipswitch for safeguarding of automatic swing and revolving doors
- 4 GC 339**
Active infrared detector with self-monitoring function to the protection and activation of automatic doors
- 5 Unisafe fingerprotection**
Finger protection system which is, due to its unique design, improved safety and many additional features

ACTIVATION OPTIONS FROM GEZE

Activation options with sliding door systems



- 1 Sliding door drive
- 2 Moving leaf
- 3 Side panel
- 4 Combined detector
- 5 Active infrared light curtain
- 6 Programme switch with key Switch
- 7 Plastic elbow switch
- 8 LED sensor switch glass
- 9 Proximity switch
- 10 Elbow switch
- 11 LED sensor foot switch

Activation options with swing door systems



- 1 Drive
- 2 Radar movement detector
- 3 Plastic elbow switch
- 4 Programme switch
- 5 Proximity switch
- 6 Elbow switch
- 7 Glass LED sensor button
- 8 Interruption button
- 9 Foot contact switch
- 10 Sensor strip

MAINTENANCE

- For the automatic door to keep its optimal functionality and assure safety on the door, it is recommended to maintain the drives with regular after sales services. At GEZE we are ready to support you with a variety of service contracts.
- Our local team and our service technicians are specialists in making sure your automatic door is maintained to the highest standards.
- A regular service on the door not only secures the safety and usability, it prolongs the lifetime of the door drive and optimizes the daily comfortable use.

OVERVIEW

Products

ECturn

Electromechanical swing door drive for accessible single leaf doors up to 125 kg leaf weight

ID.nr: 134536



Slimdrive SL NT

Automatic linear sliding door system with low overall height and clear design line for doors up to 125 kg leaf weight

ID.nr: 132473



Slimdrive EMD-F

Electromechanical swing door drive for single leaf fire and smoke protection doors up to 230 kg leaf weight

ID.nr: 107577



ECdrive T2

Automatic linear sliding door system for doors up to 140 kg leaf weight

ID.nr: 179246



Powerturn

Automatic swing door drive – reliably and safely opens even large, heavy doors up to 600 kg leaf weight

ID.nr: 153065



Powerdrive PL

Automatic linear sliding door system for large and heavy doors of up to 200 kg leaf weight

ID.nr: 117027



GC 334 Safety sensor

Sensor strip with high safety standard for protecting automatic swing and revolving doors. The sensor is available in a variety of lengths: 350/700/900/1100 mm



GC 335 Safety sensor

Sensor strip with high safety standard for protecting automatic swing and revolving doors. The sensor is available in a variety of lengths: 310/900/1400 mm



GC 363 R

Combined detector for activating and safeguarding of automatic sliding doors

ID.nr: 151237



GC 339

Active infrared detector with selfmonitoring function to the protection and activation of automatic doors

ID.nr: 151251



GC 342 Laser scanner kit

Laser scanner for the protection of automatic swing doors with integrated object and wall blanking

ID.nr: 167438



Unisafe fingerprotection

Finger protection system which is, due to its unique design, improved safety and many additional features

ID.nr: 184475



Connecting expertise – building solutions.



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