



DOOR, WINDOW AND SAFETY TECHNOLOGY

# Product overview

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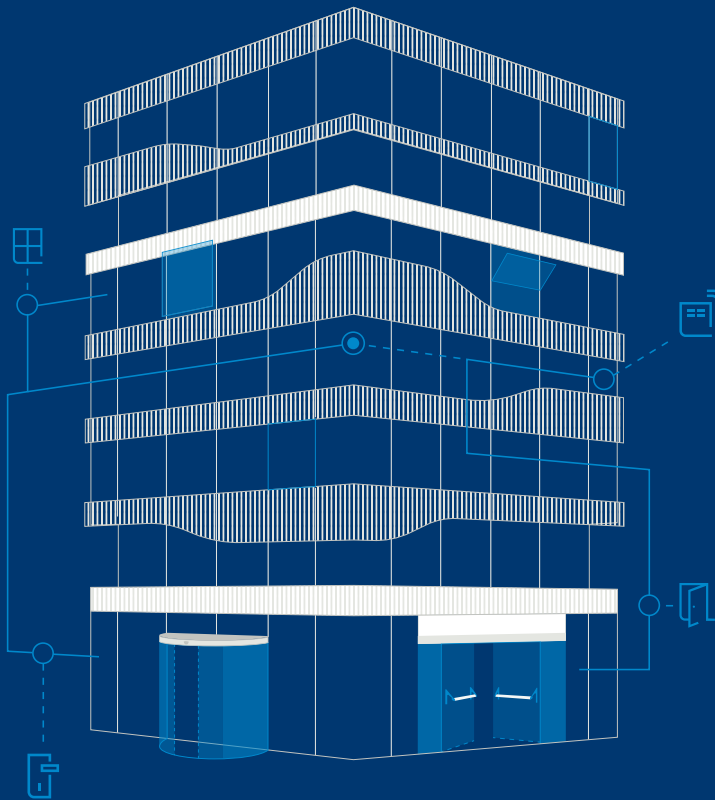
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# The GEZE know-how



## 1 Local and global at the same time

The GEZE business headquarters were established in Leonberg, near Stuttgart, in 1959. Over 1000 highly qualified employees put their knowledge and skills to good use in an in-house technology centre and state-of-the-art production systems. GEZE also produces in China, Serbia and Turkey in order to be able to supply customers all over the world as quickly as possible. GEZE is represented almost all over the world with 32 subsidiaries and an extensive network of representative offices.

## 2 Accessibility, safety, convenience, design

In nursing homes and homes for people with disabilities, hospitals and airports – the subject of accessibility can no longer be ignored by public buildings. Reliable safety systems are also essential for personal and fire protection in buildings where many people assemble. GEZE makes accessible and convenient solutions a reality, in combination with individual safety solutions. And this systematically, as different GEZE components can be combined with each other to suit all needs.

As well as safety and convenience, the appearance of the technology used also plays a decisive part for architects and planners.

The constructed environment is growing at a rapid pace in a globalised world. Our experts are closely networked and we are close by, in order to be able to provide you with our solutions quickly and reliably. We employ over 3300 employees in 124 countries worldwide to this end.

## 3 Our local teams

## 4 Quality 'made in Germany'

GEZE GmbH is one of the most successful suppliers in the world of construction systems for door, window and safety technology. As one of the market, innovation and design leaders, the business, founded in Stuttgart in 1863, produces and distributes peak technology which has had a significant influence on building technology. These developments are continually driven forward in our own technology centre.

GEZE stands for 'made in Germany' quality. Around the world. Therefore GEZE's products are produced and installed according to German quality standards in all the sites. However, the quality seal stands for more than that: at GEZE, it is confirmed by innovations and a focus on the future which are encouraged systematically. And not only in a technical respect, but also as regards intelligent functionality, sustainability and unique design.

## 5 Sustainability

GEZE has stood for longevity from its very beginnings. As a family business, our focus is on generating sustainable returns rather than maximising profits in the short-term which is To ensure our power of innovation, we are committed to the continued further development of our employees. They underpin the long-term success of our business, ensuring we maintain jobs and create new jobs globally. Doing business globally also means taking global responsibility. Constant ecological improvement of our products and manufacturing facilities coupled with our responsible approach to natural resources take the highest priority. From product development and production through to sales, GEZE works according to the latest environmental standards. Our quality management system is certified according to the ISO 9001 standard.

Additionally, GEZE products fulfil the DGNB and LEED criteria for sustainable buildings.

GEZE products such as hold-open systems, automatic door systems or smoke and heat extraction systems increase convenience within a building. At the same time, they are always an integral part of a safety concept. For this reason, the relevant construction law defines high normative demands for maintenance and installation staff when working on safety-relevant door and window technology: both for installation and for checking and maintaining systems.

To ensure this high qualification and thereby guarantee optimum service, we train over 3000 technicians a year at GEZE in over ten different fields.

## 6 Standards

## 7 GEZE services

A reliable, professional and highly efficient service is one of our most important objectives when it comes to customer satisfaction. For this reason, GEZE has various offers available for servicing our own and third party products. Because regular servicing and skilled maintenance of automatic systems are essential to ensure long-term personal and operational safety.

Architects, specialist planners, general building contractors and owners benefit from targeted advice and a wide range of services with GEZE project consultancy. Our support starts with the schematic design and extends beyond the completion of the building.





## REFERENCES FROM AROUND THE WORLD

# Industry solutions



### HEALTH

**John Radcliffe  
Hospital, Oxford**



#### Automatic glass sliding door system

The real eye-catcher of the main entrance is the automatic sliding door, with a powerful GEZE Slim-drive SL drive system that works almost invisibly thanks to its construction height of only 70 mm.

**Sindelfingen Physio-  
therapy Practice**



#### GEZE ActiveStop door damper

Slamming doors, or doors that are hard to open, are a thing of the past in the 'BEHAN-DELBAR 3.0' physiotherapy practice: the smart GEZE ActiveStop door damper combines accessibility and silent ease of access.

**ETHIANUM clinic,  
Heidelberg**



#### Multifunctional door systems

The Heidelberg Ethianum sets the highest standards in matters of convenience and safety. GEZE has equipped the new interdisciplinary clinic building with innovative door systems and safety technology.

**Olga Hospital,  
Stuttgart**



#### Healing Architecture

Accessibility and user-convenience take priority in the Stuttgart Klinikum Stadtmitte hospital. GEZE has implemented barrier-free door systems and fire protection solutions that harmonise with the contemporary room design.



Fire protection systems, access for all, hygiene regulations, energy-focused renovation of buildings: whatever industry your project is in, you need to consider a wide variety of different issues. Our industry experts provide individual, comprehensive advice on your specific needs. We consider the functionality of your building management system of course, but also its aesthetics and design. Check out our wide range of services for yourself!

## RETAIL INDUSTRY

CityLife shopping centre, Milan



### Unhindered shopping

With an attractive design and a low demand for space, the door systems are almost invisibly integrated into the glass doors, helping to make optimum use of the natural light in the entrance area.

BMW branch, Munich



### Glass façade with large opening width

The glass façade of the BMW building enables the optimum use of daylight.

Westfield Mall of Scandinavia, Solna



### GEZE automatic doors make shopping easier

Discreet appearance, high functionality: Automatic doors at the entrance to the parking level of the Mall of Scandinavia.

## GASTRONOMY

Café Luitpold, Munich



### Sliding wall systems in the café

The automatic doors and sliding wall systems by GEZE fit discreetly and extremely functionally into the historic architecture of the legendary Café Luitpold in Munich.

## HOTEL

Address Downtown Hotel Dubai



### Automatic revolving doors for high ease of access and accessibility

Convenience and safety expectations are high in a five-star hotel – especially in the entrance area, which must be representative.

Hotel Schloss Elmau Retreat



### Glazed curved sliding doors

Elegant glass curved sliding doors characterise the hotel entrance area: Slimdrive SCR drives move the door leaves and welcome hotel guests almost silently.

## HOTEL

Kempinski Hotel Berchtesgaden



### GEZE door closers: Convenient at the highest level

In the main entrance of the hotel, two fully glazed automatic sliding doors welcome hotel guests.

The Retreat Hotel Blaue Lagune Island



### Automatic door closer creates a luxury experience

The hotel was equipped with smart door solutions from GEZE. This means that all of the doors in the luxurious facility open and close elegantly and quietly.

Novotel London Heathrow Airport



### Extravagant and stylish

Sliding doors, door closers, or glass partition wall systems: GEZE UK is turning the Novotel at Heathrow Airport into the new design flagship for the Nine Group



## PUBLIC BUILDINGS

ÖAMTC car, motor-bike and touring club, Vienna



### Revolving doors and preventative fire protection

At the main and side entrances, GEZE revolving doors connect the outdoor and indoor worlds and ensure aesthetic consistency for the glass façade.

Leonberg Town Hall



### Accessible town hall

An accessible administrative centre has been created in Leonberg with the new town hall. The door and window solutions from GEZE perfectly integrate into the purist design of the new building.

## OFFICE COMPLEX

Grand MOMA, Peking



### GEZE implements building safety

GEZE made a particularly significant contribution to the safety and convenience of the complex with innovative door and safety technologies.

GAG Immobilien AG, Cologne



### Smart building automation with GEZE Cockpit and BACnet

Successful integration: GEZE Cockpit with BACnet enables smart networking with Priva building management technology – and therefore more efficiency, safety and convenience too.



## HISTORIC BUILDINGS

Sihlpost – Zürich Central Post Office



### State-of-the-art door systems for the renovated Sihlpost

GEZE was involved in the complete renovation of the listed building with multifunctional door systems and emergency exits.

Magdeburg Cathedral



### Wireless GEZE solutions for hold-open systems

Modern fire protection measures, in spite of historic preservation, with hold-open systems in a special design, as well as wireless extensions and wireless smoke detectors.

## EDUCATION

City of Glasgow College



### Door technology for the university of the future

Two large manual revolving doors fit perfectly into the façade of the City Campus.

Stuttgart public library



### Accessible library

A bright, open room structure and minimalist design characterise the new Stuttgart public library. GEZE has contributed to the accessible building design with customised door technology.



## CULTURE

Yves Saint Laurent Museum Paris



### Door control with the right design

The head office of the world-famous fashion label and domain of Yves Saint Laurent has been converted into a modern museum.

## SPORT

Ferrari World Abu Dhabi



### Accessibility for Ferrari World

GEZE has contributed to accessibility in the world's first Ferrari theme park by supplying automatic doors and state-of-the-art door drives.

## TRAFFIC

Roma Cruise Terminal (RCT), Civitavecchia



### Harbour terminal Amerigo Vespucci

GEZE provides comfortable ease of access, emergency exit protection and accessibility, and efficient automatic and emergency exit doors.

BahnhofCity, Vienna West



### Modern architecture and technology

Innovative door systems provide high convenience, accessibility and preventive fire protection in all areas, and integrate perfectly into the building architecture.





### **Planning and design**

Construction projects are becoming increasingly complex. We make things simple for you by taking on planning tasks as required and providing you with customised support thanks to our expertise.



### **Installation and assembly**

Our excellent products improve the quality of every building. This is why we provide comprehensive support for installation and assembly in the form of well-founded information and holistic care.



### **Service and maintenance**

Our aim is for our products and solutions to inspire you and ensure your long-term satisfaction. This is why we place great value on active support and a comprehensive service offering.

FREE  
DOM





## GEZE PRODUCT OVERVIEW

# Swing door

Swing doors in many forms guide us comfortably through daily life. Swing doors – also called single-action doors – are omnipresent. Be it an 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 conveniently, safely and in line with your individual needs.





## SWING DOOR

# Door control

Enter your rooms more conveniently than ever before: Silent and smooth. Slamming doors is a thing of the past, just like blemishes on walls or furniture. No swing door "collision". And without the tripping hazard of a door stopper. This is made possible by solutions with door dampers. The principle is almost the same as modern drawers: doors are closed and opened in a controlled, damped manner. The clever solutions ensure increased safety. Floor surfaces can be kept clean more easily.





# GEZE ActiveStop integrated



Draw-in damper on both sides for single-action doors  
without fire protection demands



## AREAS OF APPLICATION

- Right and left single-action timber doors in the interior area
- Room doors with high ease of access
- Single-action doors up to 1100 mm leaf width
- Integrated installation in door leaf
- Barrier-free access in accordance with DIN 18040-2

## PRODUCT FEATURES

- Door opening angle with variable adjustment from 80°–140°
- Can be used for right and left hand doors without conversion
- Controlled opening and closing of doors up to max. 45 kg leaf weight
- Soft stopping, quiet closing and keeping doors open with ease
- Slamming doors, trapped fingers, damage to walls and furniture are almost completely ruled out
- Secure holding open of door, meaning no door stopper is needed
- Back check and latching speed, when installed, can be set via a valve
- Integrated safety valve offers protection from overload



Physiotherapy practice "Behandelbar", Sindelfingen, Germany (Photo: Jürgen Pollak / GEZE GmbH)

# GEZE ActiveStop surface-mounted



Door damper on both sides for interior swing doors,  
configured for timber or glass doors



## AREAS OF APPLICATION

- Right and left single-action doors in the interior area
- Room doors with high ease of access
- Single-action doors up to 1100 mm leaf width
- Surface-mounted installation, for retrofitting on existing doors
- Barrier-free access in accordance with DIN 18040-2

## PRODUCT FEATURES

- Door opening angle with variable adjustment from 80°-140°
- Can be used for right and left hand doors without conversion
- Controlled opening and closing of doors up to max. 45 kg leaf weight
- Soft stopping, quiet closing and keeping doors open with ease
- Slamming doors, trapped fingers, damage to walls and furniture are almost completely ruled out
- Secure holding open of door, meaning no door stopper is needed
- Back check and latching speed, when installed, can be set via a valve
- Integrated safety valve offers protection from overload



Wood installation situation (photo: GEZE GmbH)



Glass installation situation (photo: GEZE GmbH)

# Pivot bearing with T-stop guide rail



For opening restriction or holding open of doors  
without door closers

## AREAS OF APPLICATION

- Right and left single-action doors
- Opening restrictor for single-action doors without door closer
- Door systems without smoke and fire protection needs
- For combining an automatic swing door drive with a TS 5000 on double leaf door systems

## PRODUCT FEATURES

- Holds doors without door closer open, not self-closing
- Can be used for right and left hand doors without conversion
- The door opening angle is limited and a door stopper is usually no longer needed
- Doing without door stoppers enhances the appearance of the door area, stumbling hazards and dirty corners disappear
- Crushing between door leaf and floor mounted door stopper is avoided





Klinikum Düsseldorf, Germany (photo: Lothar Wels / GEZE GmbH)

# Boxer pivot bearing



Integrated pivot bearing for opening restriction or holding open  
for doors without door closers

## AREAS OF APPLICATION

- Right and left single- and double-action doors
- Opening restriction for single- or double-action doors without door closer
- Door systems without smoke and fire protection needs
- For combining an automatic swing door drive with a Boxer on double leaf door systems

## PRODUCT FEATURES

- Holds doors without door closer open, not self-closing
- The door opening angle is limited and a door stopper is usually no longer required
- Doing without door stoppers enhances the appearance of the door area, stumbling hazards and dirty corners disappear
- Can be used for right and left hand doors without conversion
- Crushing between door leaf and floor mounted door stopper is avoided



Vitra Haus, Weil am Rhein, Germany (photo: Oliver Look / GEZE GmbH)



## SWING DOOR

# Door closers

With door closers, your swing doors that shouldn't be open are always closed. Thus, the doors also don't have to be closed manually. They also ensure reliable door closing in case of fire. More stringent safety regulations don't only make overhead door closers indispensable at many doors. For every self-closing door and also for every other feature it must possess, GEZE always offers the matching solution. With numerous variants and various technical and visual possibilities.





# Door closer with guide rail

## EXAMPLE PRODUCT

→ TS 5000 ECLine



Overhead door closer with guide rail for barrier-free single leaf doors  
Up to 1250 mm leaf width with opening assistance

## AREAS OF APPLICATION

- Fire and smoke protection doors
- Right and left single-action doors
- Single-action doors up to 1250 mm leaf width
- Door leaf installation on hinge side and transom installation on opposite hinge side
- Barrier-free access in accordance with DIN 18040 up to EN5

## PRODUCT FEATURES

- Adjustable closing force of EN3–5 with variable adjustment
- Barrier-free in accordance with DIN 18040 up to EN5 (1250 mm leaf width)
- Can be used for right and left hand doors without conversion
- Opening assistance for easy opening and comfortable use of the door
- Opening assistance can be switched off for doors with wind load or pressure differences
- Hydraulic latching action which accelerates the door shortly before the closed position
- Closing speed can be individually adjusted
- Integrated back check, slows down doors that are thrown open forcefully
- Visual closing force display for easy control of the setting
- All functions can be adjusted from the front and less installation time compared to standard systems

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

## FOR SINGLE LEAF DOORS

TS 5000	Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width
TS 5000 ECLine	Overhead door closer with guide rail for barrier-free single leaf doors up to 1250 mm leaf width with opening assistance
TS 5000 SoftClose	Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width with latching action and brake-to-stop function
TS 5000 E	Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width with electric hold-open device
TS 5000 S	Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width with delayed closing action and back check
TS 5000 R	Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width with electric hold-open device and smoke switch
TS 5000 R/O	Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width with smoke switch control unit and GEZE hold-open magnet
TS 3000 V	Overhead door closer with guide rail for single leaf doors up to 1100 mm leaf width
TS 1500 G	Overhead door closer with guide rail with a leaf width up to 750 mm

## FOR DOUBLE LEAF DOORS

TS 5000 ISM	Overhead door closer system with guide rail for double leaf doors with closing sequence control
TS 5000 E-ISM	Overhead door closer system with guide rail for double leaf doors with closing sequence control and electric hold-open device
TS 5000 R-ISM	Overhead door closer system with guide rail for double leaf doors with closing sequence control and smoke switch
TS 5000 L-ISM VPK	Overhead door closer system with guide rail, for opposite hinge side, for double leaf doors with anti-panic function and closing sequence control



Rheinlandhaus, Cologne, Germany (photo: Lothar Wels / GEZE GmbH)

# Door closer with link arm

## EXAMPLE PRODUCT

→ TS 4000 EN1-6



Overhead door closer with link arm for single leaf doors  
up to 1400 mm leaf width

## AREAS OF APPLICATION

- Fire and smoke protection doors
- Right and left single-action doors
- Single-action doors up to 1400 mm leaf width
- Door leaf installation on hinge side and transom installation on opposite hinge side
- Door leaf installation on the opposite hinge side possible in parallel arm installation

## PRODUCT FEATURES

- Closing force of EN1-6 with variable adjustment
- Can be used for right and left hand doors without conversion
- Mechanical latching action which accelerates the door shortly before the closed position
- Closing speed can be individually adjusted
- Integrated back check, slows down doors that are thrown open forcefully
- Visual closing force display for easy control of the setting
- All functions can be adjusted from the front (except latching action)

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

## FOR SINGLE LEAF DOORS

TS 4000 EN1-6	Overhead door closer with link arm for single leaf doors up to 1400 mm leaf width
TS 4000 EN5-7	Overhead door closer with link arm for single leaf doors up to 1600 mm leaf width
TS 4000 E	Overhead door closer with link arm for single leaf doors up to 1400 mm leaf width with electric hold-open device
TS 4000 R	Overhead door closer with link arm with electric hold-open device and smoke switch
TS 4000 Tandem	Overhead door closer with link arm for single leaf doors/gates with a leaf width greater than 1600 mm
TS 2000 V	Overhead door closer with link arm for single leaf doors up to 1250 mm leaf width with variable closing force
TS 2000 NV	Overhead door closer with link arm for single leaf doors up to 1100 mm leaf width with closing force with variable adjustment
TS 1500	Overhead door closer with link arm for single leaf doors up to 1100 mm leaf width with adjustable closing speed

## FOR DOUBLE LEAF DOORS

TS 4000 IS	Overhead door closer with link arm for double leaf doors with closing sequence control
TS 4000 E-IS	Overhead door closer with link arm for double leaf doors with closing sequence control and electric hold-open device
TS 4000 R-IS	Overhead door closer system with link arm for double leaf doors with closing sequence control, electric hold-open device and smoke switch



Sports Hall, Zadar, Croatia (photo: Robert Les / GEZE GmbH)

# Free swing door closer

## EXAMPLE PRODUCT

→ TS 5000 EFS 3-6



Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width with electric free swing function

## AREAS OF APPLICATION

- Fire and smoke protection doors
- Right and left single-action doors
- Single-action doors up to 1400 mm leaf width
- Door leaf installation on hinge side and transom installation on opposite hinge side
- Hold-open systems with integrated hold-open device with free swing
- Barrier-free access in accordance with DIN 18040

## PRODUCT FEATURES

- Closing force of EN3-6 with variable adjustment
- Operating voltage 24 V DC
- Can be used for right and left hand doors without conversion
- Free swing function enables passing through door with low effort
- Comfort hold-open function locks the door leaf at the end of the free swing area
- External smoke switch control unit with a signal which closes the door automatically in the event of a fire
- Hydraulic latching action which accelerates the door shortly before the closed position
- Closing speed can be individually adjusted
- Visual closing force display for easy control of the setting
- All functions can be adjusted from the front



## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

## FOR SINGLE LEAF DOORS

TS 5000 EFS 3-6	Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width with electric free swing function
TS 5000 RFS 3-6	Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width with electric free swing function and smoke switch control unit
TS 5000 RFS KB	Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width with electric free swing function and smoke switch control unit with transom installation on the hinge side
TS 4000 EFS	Overhead door closer with link arm for single leaf doors up to 1400 mm leaf width with electric free swing function
TS 4000 RFS	Overhead door closer with link arm for single leaf doors up to 1400 mm leaf width with electric free swing function and smoke switch control unit
Boxer EFS 4-6	Integrated door closer for single leaf doors up to 1400 mm leaf width with electric free swing function

## FOR DOUBLE LEAF DOORS

TS 5000 ISM with free swing function	Overhead door closer system with guide rail for double leaf doors with integrated closing sequence control and free swing function on the active leaf
TS 5000 E-ISM/S with free swing function	Overhead door closer system with guide rail for double leaf doors with integrated closing sequence control, free swing function on the active leaf and electric hold-open device on the passive leaf
TS 5000 R-ISM/S with free swing function	Overhead door closer system with guide rail for double leaf doors with integrated closing sequence control, free swing function on the active leaf, electric hold-open device on the passive leaf and integrated smoke switch
TS 5000 R-ISM/0 with free swing function	Overhead door closer system with guide rail for double leaf doors with integrated closing sequence control, free swing function on the active leaf and integrated smoke switch
Boxer ISM-EFS	Integrated door closer system for double leaf doors with closing sequence control and electric free swing function



Robert Bosch Hospital, Stuttgart, Germany (photo: Jürgen Pollak / GEZE GmbH)



## SWING DOOR

# Floor springs

Only visible when looking down, floor springs keep your doors closed. After opening, they ensure that the doors close themselves. They offer safety and comfort in the same way as overhead door closers. All individual parts are built into the floor or the door. Floor springs are ideal when the door design should be as unobtrusive as possible – be it at elegant portals or in upmarket shop fittings. They are the solution of choice when only this type of door closer is possible – with semicircular arch doors or all-glass doors.



# Floor springs

## EXAMPLE PRODUCT

→ TS 550 NV



Floor spring for single leaf doors up to 1400 mm leaf width with a hold-open function that can be switched on and off

## AREAS OF APPLICATION

- Right and left single- and double-action doors
- Single- and double-action doors up to 1400 mm leaf width and 300 kg weight
- Heavily frequented and heavy doors
- Hidden horizontal floor installation

## PRODUCT FEATURES

- Closing force of EN3-6 with variable adjustment
- Can be used for right and left hand doors without conversion
- Adjustable delayed closing action, for adjusting the closing speed of the door up to an opening angle of approx. 80°
- Mechanical hold-open device in door closer with hold-open area of 80°-165°
- Hydraulic latching action which accelerates the door shortly before the closed position
- Closing speed can be individually adjusted
- Integrated back check, slows down doors that are thrown open forcefully
- All functions can be adjusted from the top and when installed



## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

## FOR SINGLE LEAF DOORS

TS 550 NV F	Floor spring for single leaf fire protection doors up to 1400 mm leaf width without hold-open function
TS 550 NV	Floor spring for single leaf doors up to 1400 mm leaf width with hold-open function that can be switched on and off
TS 500 NV	Floor spring for single leaf doors up to 1100 mm leaf width with or without mechanical hold-open function
TS 500 N EN3	Floor spring for single leaf single-/double-action doors up to 950 mm leaf width without hold-open device



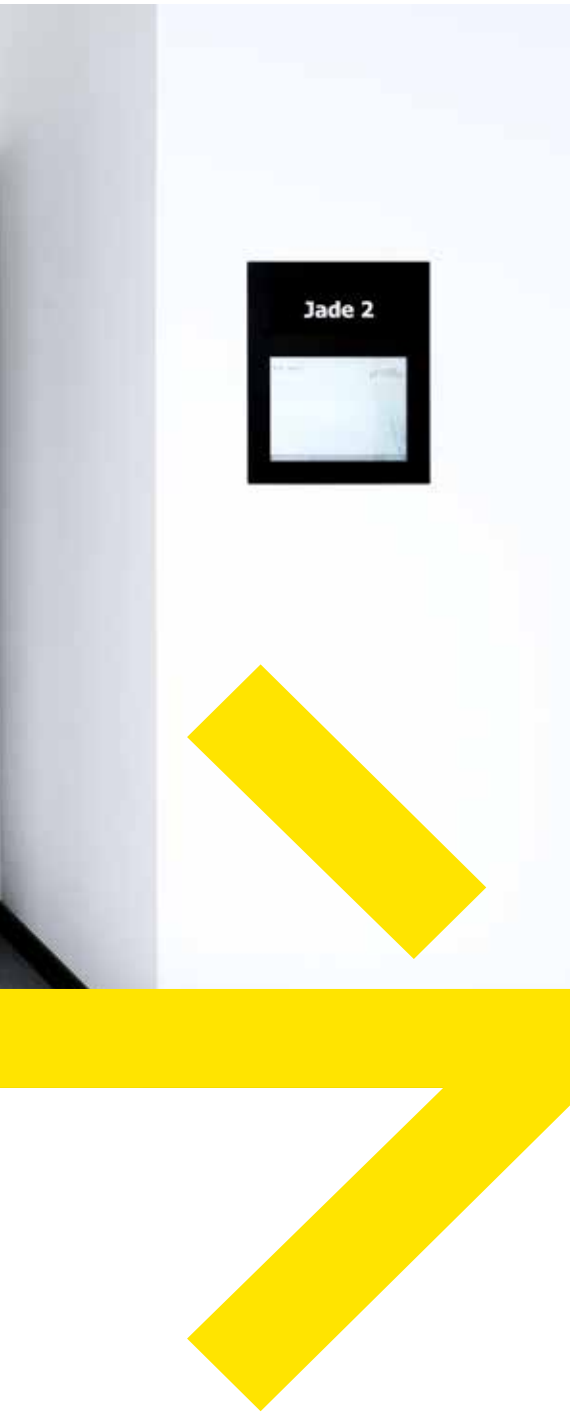
GEZE portal, Leonberg, Germany (photo: N. Grünwald / GEZE GmbH)



## SWING DOOR

# Integrated door closers

Integrated door closers are not visible from the outside and keep your doors closed. In normal operation as well as in case of fire. They are the solution when uninterrupted door optics are desired. This overhead door closer is completely embedded in the door leaf. Integrated door closers are ideally suited for high-quality doors within the context of sophisticated architecture. The guide rail is the only surface visible, and only when the door is open. They are also recommended for abuse prevention, for example in schools.





# Integrated door closer

## EXAMPLE PRODUCT

→ Boxer



Integrated door closer for single leaf doors  
with a leaf width up to 1400 mm

## AREAS OF APPLICATION

- Fire and smoke protection doors, proof of suitability for the door required
- Right and left single-action doors
- Single-action doors up to 1400 mm leaf width, for door weights up to 180 kg
- For door leaf thicknesses from 40 mm
- Integrated installation

## PRODUCT FEATURES

- Closing force of EN2-4 or EN3-6 with variable adjustment
- Can be used for right and left hand doors without conversion
- Door closer is embedded in door leaf and frame and fulfils maximum design demands
- Integrated back check, slows down doors that are thrown open forcefully
- Hydraulic latching action which accelerates the door shortly before the closed position
- Closing speed can be individually adjusted
- All functions can be adjusted when installed

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

### FOR SINGLE LEAF DOORS

Boxer	Integrated door closer for single leaf doors up to 1400 mm leaf width
Boxer EFS 4-6	Integrated door closer for single leaf doors up to 1400 mm leaf width with electric free swing function
Boxer E	Integrated door closer for single leaf doors up to 1400 mm leaf width with electric hold-open device
Boxer P	Integrated door closer for single leaf double-action doors up to 1100 mm leaf width

### FOR DOUBLE LEAF DOORS

Boxer ISM	Integrated door closer system for double leaf doors with closing sequence control
Boxer E-ISM	Integrated door closer system for double leaf doors with closing sequence control and electric hold-open device
Boxer ISM-EFS	Integrated door closer system for double leaf doors with closing sequence control and electric free swing function



Hermitage Museum, Amsterdam, Netherlands (photo: Erwin Kamphuis / GEZE GmbH)



## SWING DOOR

# Hold-open systems

With hold-open systems, fire protection doors in your building can be used accessibly. Like a door hold-open device, they hold doors open. In emergencies, they close fire protection doors independently and safely. The fire protection doors, equipped with a corresponding door closer, are kept open electrically. This remains like this until such time as they are closed manually or (in case of fire) are closed by triggering the smoke switch. For preventive fire protection, GEZE provides complete hold-open systems from a single source.



# Integrated smoke switch control units

## EXAMPLE PRODUCT

→ Powerturn F/R



Electromechanical swing door drive for single leaf fire and smoke protection doors with integrated smoke switch

## AREAS OF APPLICATION

- Fire and smoke protection doors
- Right and left single leaf single-action doors
- Single-action doors up to 1600 mm leaf width or 600 kg weight
- Minimum leaf width 800 mm
- Interior and exterior doors with high access frequency
- Transom installation on hinge and opposite hinge side

## PRODUCT FEATURES

- Smart swing function for easy manual door opening
- Closing force of EN4–7 with variable adjustment
- Integrated smoke switch control unit, with a signal that closes the door automatically in the event of a fire
- Opening and closing speed can be individually adjusted
- Mechanical latching action when operated without current, and electrical latching action in regular operation, which accelerates the door shortly before the closed position
- Low-energy function opens and closes the door with reduced speed, fulfilling the highest safety demands
- Vestibule function controls the opening and closing of two consecutive doors (interlocking door system)
- Obstacle detection detects objects through contact and stops the opening or closing process
- Automatic reversing detects an obstacle and returns to the opening position
- Push & Go function triggers the automatic drive components following light manual pressure on the door leaf
- Drive can be used with roller guide rail or link arm
- Servo function for motorized support when manually opening the door
- Optional radio board for wireless activation by radio transmitter

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

## FOR SINGLE LEAF DOORS

Powerturn F/R	Electromechanical swing door drive for single leaf fire and smoke protection doors with integrated smoke switch
Slimdrive EMD F/R	Electromechanical swing door drive for single leaf fire and smoke protection doors with integrated smoke switch
TS 5000 R	Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width with electric hold-open device and smoke switch
TS 5000 R/O	Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width with smoke switch control unit and GEZE hold-open magnet
TS 5000 RFS 3-6	Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width with electric free swing function and smoke switch control unit
TS 4000 R	Overhead door closer with link arm with electric hold-open device and smoke switch
TS 4000 RFS	Overhead door closer with link arm with electric free swing function and smoke switch

## FOR DOUBLE LEAF DOORS

Powerturn F/R-IS	Electromechanical swing door drive system for double leaf fire and smoke protection doors with closing sequence control and integrated smoke switch
Powerturn F/R-IS/TS	Semi-automatic system with swing door drive on active leaf and door closer on passive leaf for fire and smoke protection doors with integrated smoke switch
Slimdrive EMD F/R IS	Electromechanical swing door drive system for double leaf fire and smoke protection doors with closing sequence control and integrated smoke switch
TS 5000 R-ISM	Overhead door closer system with guide rail for double leaf doors with closing sequence control and smoke switch
TS 5000 R-ISM/S with free swing function	Overhead door closer system with guide rail for double leaf doors with integrated closing sequence control, free swing function on the active leaf and electric hold-open device on the passive leaf
TS 5000 R-ISM/O with free swing function	Overhead door closer system with guide rail for double leaf doors with integrated closing sequence control, free swing function on the active leaf and integrated smoke switch
TS 4000 R-IS	Overhead door closer system with link arm for double leaf doors with closing sequence control, electric hold-open device and smoke switch



Leonberg town hall, Leonberg, Germany (photo: Jürgen Pollak / GEZE GmbH)

# RSZ 7 external smoke switch control unit



Extendable smoke switch control unit  
for all GEZE hold-open devices



## AREAS OF APPLICATION

- Approved for all GEZE hold-open devices for the early detection of fire and smoke
- Difficult lintel situations, for example with too little space above the smoke chamber
- Installation above the active leaf on the vertical wall
- Installation possible with surface-mounted line-feed

## PRODUCT FEATURES

- Telescopic function for bridging overhangs of up to 30 mm
- Connection to 230 V power supply and 24 V DC supply of the hold-open device
- Voltage supply of the hold-open system is interrupted in the case of an alarm and the doors close
- Integrated smoke switch with automatic adaptation of the alarm threshold
- Compensates for light contamination of the smoke chamber and thus increases the service life
- Visual display of the current control unit status
- Additional smoke switches can be connected
- Surface-mounted line-feed possible





HafenCity University, Hamburg, Germany (photo: Stefan Dauth)



Installation situation (photo: GEZE GmbH)

# Hold-open devices for external control units

## EXAMPLE PRODUCT

→ Slimdrive EMD-F



Electromechanical swing door drive  
for single leaf fire and smoke protection doors

## AREAS OF APPLICATION

- Fire and smoke protection doors
- Right and left single leaf single-action doors
- Single-action doors up to 1400 mm leaf width and 230 kg weight
- Interior and exterior doors with high access frequency
- Door leaf installation and transom installation

## PRODUCT FEATURES

- Adjustable closing force of EN4-6 with variable adjustment
- Opening and closing speed can be individually adjusted
- Mechanical latching action when operated without current, and electrical latching action in regular operation, which accelerates the door shortly before the closed position
- Low-energy function opens and closes the door with reduced speed, fulfilling the highest safety demands
- Servo function for motorized support when manually opening the door
- Vestibule function controls the opening and closing of two consecutive doors (interlocking door system)
- Obstacle detection detects objects through contact and stops the opening or closing process
- Automatic reversing detects an obstacle and returns to the opening position
- Push & Go function triggers the automatic drive components following light manual pressure on the door leaf
- Drive can be used with roller guide rail or link arm

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

## FOR SINGLE LEAF DOORS

Powerturn F	Electromechanical swing door drive for single leaf fire and smoke protection doors
Slimdrive EMD-F	Electromechanical swing door drive for single leaf fire and smoke protection doors
TS 5000 E	Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width with electric hold-open device
TS 5000 EFS 3-6	Overhead door closer with guide rail for single leaf doors up to 1400 mm leaf width with electric free swing function
TS 4000 E	Overhead door closer with link arm for single leaf doors up to 1400 mm leaf width with electric hold-open device
TS 4000 EFS	Overhead door closer with link arm for single leaf doors up to 1400 mm leaf width with electric free swing function
Boxer E	Integrated door closer for single leaf doors with a leaf width up to 1400 mm with electric hold-open device
Boxer EFS 4-6	Integrated door closer for single leaf doors up to 1400 mm leaf width with electric free swing function
GT 50 R	Hold-open magnet for floor/wall and ceiling installation with different magnetic counter plates

## FOR DOUBLE LEAF DOORS

Powerturn F-IS	Electromechanical swing door drive system for double leaf fire and smoke protection doors with closing sequence control
Powerturn F-IS/TS	Semi-automatic system with swing door drive on active leaf and door closer on passive leaf for fire and smoke protection doors
Slimdrive EMD-F-IS	Electromechanical swing door drive system for double leaf fire and smoke protection doors with closing sequence control
TS 5000 E-ISM/S with free swing function	Overhead door closer system with guide rail for double leaf doors with integrated closing sequence control, free swing function on the active leaf and electric hold-open device on the passive leaf
TS 4000 E-IS	Overhead door closers system with link arm for double leaf doors with closing sequence control and electric hold-open device
Boxer E-ISM	Integrated door closer system for double leaf doors with closing sequence control and electric hold-open device
Boxer ISM-EFS	Integrated door closer system for double leaf doors with closing sequence control and electric free swing function
GT 50 R	Hold-open magnet for floor/wall and ceiling installation with different magnetic counter plates

# Wireless extensions

## EXAMPLE PRODUCT

→ Wireless KIT FA GC 170



Set comprising GC 171 wireless module and GC 172 wireless ceiling-mounted smoke detector



## AREAS OF APPLICATION

- Installation in listed buildings without structural changes (cable routing)
- Retrofitting or extension of existing systems

## PRODUCT FEATURES

- No cable connection needed between the lintel-mounted detector and ceiling-mounted detector or manual trigger switch
- Simple coupling of the wireless components
- Mixed installation (wireless/wired) possible
- Low servicing costs due to long battery life of five years

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

GC 171	Wireless module for wireless connection of wireless components to GEZE hold-open systems
GC 172	Wireless smoke detector for wireless connection to the GC 171 wireless module
GC 173	Wireless thermal detector for wireless connection to the GC 171 wireless module
GC 175	Wireless input module for wireless connection of manual trigger switches to the GC 171 wireless module
Wireless KIT FA GC 170	Set comprising GC 171 wireless module and GC 172 wireless ceiling-mounted smoke detector



Installation situation (photo: Annika Feuss / GEZE GmbH)



## SWING DOOR

# Automatic door drives

With automatic doors, you increase the comfort and safety in your building. They create access for all and access convenience for everyone entering and leaving the building. The often laborious manual opening of doors is no longer needed. This is possible with automatic door drives, i.e. automatic door closers. They open and close swing doors in the façade or indoors. Safely and comfortably. The uniform design lines of the GEZE automatic doors integrate smoothly into every kind of architecture and every environment.





# Automatic door drives

## EXAMPLE PRODUCT

→ Powerturn F



Electromechanical swing door drive for single leaf fire and smoke protection doors

## AREAS OF APPLICATION

- Fire and smoke protection doors
- Hold-open systems with integrated hold-open function – country-specific specifications must be observed
- Single-action, single leaf, right and left closing doors
- Single-action doors up to 1600 mm leaf width or 600 kg weight
- Minimum leaf width 800 mm
- Interior and exterior doors with high access frequency
- Door leaf installation and transom installation

## PRODUCT FEATURES

- Smart swing function for easy manual door opening
- Closing force of EN4-7 with variable adjustment
- Opening and closing speed can be individually adjusted
- Mechanical latching action when operated without current, and electrical latching action in regular operation, which accelerates the door shortly before the closed position
- Low-energy function opens and closes the door with reduced speed, fulfilling the highest safety demands
- Obstacle detection detects an object through contact and stops the opening or closing process
- Automatic reversing detects an obstacle and returns to the opening position
- Push & Go function triggers the automatic drive following light manual pressure on the door leaf
- Drive can be used with roller guide rail or link arm
- Servo function for motorized support when manually opening the door
- Optional radio board for wireless activation by radio transmitter
- Smoke switch control unit can be connected, whose signal makes the door close automatically in the event of a fire

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

## FOR SINGLE LEAF DOORS

ECturn	Electromechanical swing door drive for barrier-free single leaf doors up to 125 kg
ECturn Inside	Integrable electromechanical swing door drive for barrier-free single leaf doors up to 125 kg
Slimdrive EMD	Electromechanical swing door drive with height of only 7 cm for single leaf doors up to 180 kg
Slimdrive EMD-F	Electromechanical swing door drive for single leaf fire and smoke protection doors
Slimdrive EMD F/R	Electromechanical swing door drive for single leaf fire and smoke protection doors with integrated smoke switch
Slimdrive EMD Invers	Electromechanical swing door system for single leaf smoke and heat extraction fresh air opening systems
Powerturn	Electromechanical swing door drive for accessible single leaf doors weighing up to 600 kg
Powerturn F	Electromechanical swing door drive for single leaf fire and smoke protection doors
Powerturn F/R	Electromechanical swing door drive for fire and smoke protection doors with integrated smoke switch

## FOR DOUBLE LEAF DOORS

Slimdrive EMD-F-IS	Electromechanical swing door system for double leaf fire and smoke protection doors with integrated mechanical closing sequence control
Slimdrive EMD F/R IS	Electromechanical swing door drive system for double leaf fire and smoke protection doors with closing sequence control and integrated smoke switch
Powerturn IS	Electromechanical swing door drive system for double leaf single-action doors with closing sequence control
Powerturn F/R-IS	Electromechanical swing door drive system for double leaf fire and smoke protection doors with closing sequence control and integrated smoke switch
Powerturn F/R-IS/TS	Semi-automatic system with swing door drive on active leaf and door closer on passive leaf for fire and smoke protection doors with integrated smoke switch
Powerturn F-IS	Electromechanical swing door drive system for double leaf fire and smoke protection doors with closing sequence control
Powerturn F-IS/TS	Semi-automatic system with swing door drive on active leaf and door closer on passive leaf for fire and smoke protection doors
Powerturn IS/TS	Semi-automatic system with swing door drive on active leaf and door closer on passive leaf



## SWING DOOR

# Fresh air systems

If there is a fire in the building, fresh air systems provide the necessary 'pulling power'. This way fire smoke can escape. Here, the coordinated interaction of fresh air and exhaust air solutions is crucial. The openings in the lower part of the building are equipped with fresh air drives, allowing fresh air to enter. It strengthens thermal uplift (chimney effect!), meaning that smoke gases can be released through extraction openings in the top of the building. GEZE offers complete smoke and heat extraction solutions.



# Fresh air systems

## EXAMPLE PRODUCT

→ RWA K 600 T



## Retractable arm drive for fresh air systems for installation on doors

### AREAS OF APPLICATION

- Use in fresh air systems where large opening angles are needed
- Single and double leaf smoke and heat extraction fresh air doors
- Installation on the hinge side or opposite hinge side

### PRODUCT FEATURES

- 90° door opening in less than 60 seconds
- Powerful drive with high torque
- Connection cable easily exchangeable by means of plug
- Integrated status contact for electric strike control unit or feedback signals
- Door remains freely accessible due to the freely positioned activation of the lever by means of a pressure roller

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

RWA TÖ	Fresh air system, consisting of a SHEV control panel and an inversely installed door closer
RWA K 600 G	Retractable arm drive for installation on windows and doors with fixed connection using a guide rail
RWA K 600 T	Retractable arm drive for fresh air systems for installation on doors
RWA AUT	Fresh air system automatically opens doors when smoke and heat extraction is needed
Slimdrive EMD Invers	Electromechanical swing door system for single leaf smoke and heat extraction fresh air opening systems



Tissot Arena, Biel, Switzerland (photo: Lorenz Frey / GEZE GmbH)



IKEA, Taastrup, Denmark (photo: Morten Bak / GEZE GmbH)



## SWING DOOR

# Individual swing door solutions

Automatic doors such as swing doors provide barrier-free access for everyone, not only in the form of entrance and passage doors in public buildings. Smart and customised automation solutions with our swing door drives offer comfortable and unique highlights, even in private homes.



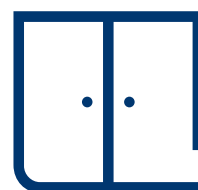


#### Further information

on our individual solutions on the topic of door, window and automation solutions can be found at [www.geze.com](http://www.geze.com)







## GEZE PRODUCT OVERVIEW

# Sliding door

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 impressive and fit into any architecture. The barrier-free automatic sliding door systems with state-of-the-art drive technology are highly-functional. This means that a diverse range of usage demands can be met.





## SLIDING DOOR

# Sliding door fittings

Sliding door fittings are the essential components to ensure your sliding door works. Be it in passageways, partition walls, in separations of walk-in closets, as well as in outdoor applications. Smooth, quiet movement, discreet design and high load bearing capacity are ensured by sophisticated technology. Made of wood, metal or glass in first-class workmanship: We offer the optimum fitting for every sliding door solution. GEZE sliding door fittings offer you flexible planning and great creative freedom.



# Sliding door fittings

## EXAMPLE PRODUCT

→ Levolan 120 Glass



Sliding door fitting for glass leaves weighing 120 kg

## AREAS OF APPLICATION

- For design-oriented sliding doors in interior areas in living and office spaces
- For all single and multiple leaf sliding doors
- For attachment on the wall and ceiling (directly and concealed) as well as for glass installation
- Damped on one or both sides with Levolan 120 SoftStop
- Smooth running with Levolan 120 SoftStop makes it particularly well suited for doors in living and office spaces

## PRODUCT FEATURES

- Design sliding door fitting for glass doors with 10–12 mm toughened safety glass and laminated safety glass up to 12.76 mm, and leaf weight up to 120 kg
- Sleek design with integrated fitting technology
- Completely integrated in track
- The use of installation tools is reduced to a minimum with the Levolan Smart fix installation system – for quick and comfortable installation
- End installation of fitting with simple clips
- With damping on one or both sides for doors with up to 120 kg leaf weight, so that the door decelerates softly and is automatically pulled into the end position
- Tested for durability in 100,000 test cycles in accordance with DIN EN1527



## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

## FOR DESIGN-ORIENTED SLIDING DOORS IN INTERIOR AREAS

Levolan 60 glass	Sliding door fitting for glass leaves weighing 60 kg
Levolan 60 wood	Sliding door fitting for timber leaves weighing 60 kg for wall and ceiling installation
Levolan 120 glass	Sliding door fitting for glass leaves weighing 120 kg
Levolan 120 wood	Sliding door fitting for timber leaves weighing 120 kg for wall and ceiling installation
Perlan 140 Glass	Sliding door fitting for glass doors weighing 140 kg
Perlan 140 wood	Sliding door fitting for timber, plastic or metal doors weighing 140 kg leaf weight
Perlan AUT-NT wood	Automation for Perlan on doors with leaf weights up to 80 kg
Perlan AUT-NT glass with 30 mm glass clamping plate	Automation for Perlan on glass doors with leaf weights up to 80 kg
Perlan AUT 2 wood	Automation for Perlan on doors with up to 120 kg leaf weight
Rollan 40 NT wood	Sliding door fitting for timber, plastic or metal doors weighing 40 kg leaf weight
Rollan 40 NT glass	Sliding door fitting for glass doors with 40 kg leaf weight
Rollan 80 NT wood	Sliding door fitting for timber, plastic or metal doors weighing 80 kg leaf weight
Rollan 80 NT glass	Sliding door fitting for glass doors with 80 kg leaf weight

## FOR HEAVY SLIDING DOOR AND SLIDING GATE SYSTEMS IN INDUSTRIAL BUILDINGS

Apoll size 0 – for sliding doors up to 150 kg	Sliding door fitting for industrial doors and gates with 150 kg leaf weight
Apoll size 1 – for sliding doors up to 350 kg	Sliding door fitting for industrial doors and gates with 350 kg leaf weight
Apoll size 2 – for sliding doors up to 600 kg	Sliding door fitting for industrial doors and gates with 600 kg leaf weight



Installation situation, restaurant (photo: GEZE GmbH)





## SLIDING DOOR

# Automatic sliding doors

With automatic sliding doors, you combine access for all and a great variety of functions with elegant door design. They provide convenient access with the highest safety standards for users. Our sliding door drives are exceptionally slim. Despite this, the door drives are quite a force and move large and heavy sliding doors. The result is discreet and sophisticated sliding door systems made of glass, for example for elegant foyers. Our programme also includes real power packages and economic solutions.



# Automatic sliding doors

## EXAMPLE PRODUCT

→ Slimdrive SL NT



Automatic linear sliding door system with low overall height and clear design line

## AREAS OF APPLICATION

- Single and double leaf sliding door systems
- Interior and exterior doors with high access frequency
- Façades with slim post-rail constructions
- Glass façades with maximum design demands
- Opening widths from 700 to 3000 mm possible
- Door leaf weights up to 125 kg per leaf
- Suitable profile systems are fine-framed profile systems with ISO and mono glass, all-glass systems (GGS), integrated all-glass systems (IGG) and on-site frame and timber leaves

## PRODUCT FEATURES

- Very quiet-running, low-maintenance direct current drive with height of only 7 cm
- Can be networked via CAN bus and integrated into building technology management systems
- Independent error recognition and recording
- Freely configurable inputs and outputs for different functions
- Integrated rechargeable battery for emergency opening in the event of safety-relevant faults such as a power failure
- Self-cleaning roller carriage reduces maintenance effort and costs
- Various mechanical and electrical locks are optionally available

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

### FOR SINGLE AND MULTIPLE LEAF DOORS

ECdrive T2	Automatic linear sliding door system for doors with a leaf weight up to 140 kg
ECdrive T2-FR	Automatic linear sliding door system for escape and rescue routes for doors with a leaf weight up to 140 kg
Slimdrive SL NT	Automatic linear sliding door system with low overall height and clear design line
Slimdrive SL NT-FR	Automatic linear sliding door system for escape and rescue routes with low overall height and clear design line
Slimdrive SLT	Automatic telescopic sliding door system for use in narrow glass façades
Slimdrive SLT-FR	Automatic telescopic sliding door system for escape routes and emergency exits for use in glass façades
Slimdrive SL RC2	Automatic linear sliding door system with burglar resistance in accordance with resistance class 2 (RC2)
Slimdrive SL-BO	Automatic sliding door system for escape and rescue routes with Break-out function
Slimdrive SL-RD	Automatic linear sliding door system for smoke-proof doors
Slimdrive SL-T30	Automatic sliding door system for fire protection doors with fire resistance class T30
Slimdrive SLV	Automatic sliding door system for use on angled façades or corners
Slimdrive SI inclined	Automatic linear sliding door system for use on inclined glass façades
Slimdrive SC	Automatic curved sliding door system for the realisation of curved solutions and vestibule systems
Slimdrive SCR	Automatic curved sliding door system for the realisation of 360° solutions
Slimdrive SCR-FR	Automatic curved sliding door system for emergency exit systems for the realization of 360° solutions
Slimdrive SCR FR RC2	Automatic curved sliding door system for escape and rescue routes, for the realisation of 360° solutions with burglar resistance in accordance with resistance class 2
Slimdrive SCR RC2	Automatic curved sliding door system for the realisation of 360° solutions with burglar resistance in accordance with resistance class 2
Slimdrive SC-FR RC2	Automatic curved sliding door system for escape and rescue routes with burglar resistance in accordance with resistance class 2
Slimdrive SCR GGS	Automatic curved sliding door system for the realisation of all-glass solutions
Slimdrive SCR-FR GGS	Automatic curved sliding door system for escape and rescue routes for the realisation of all-glass solutions
Powerdrive PL	Automatic linear sliding door system for large and heavy doors up to 200 kg leaf weight
Powerdrive PL-FR	Automatic linear sliding door system for escape and rescue routes for large and heavy doors with up to 160 kg leaf weight
Powerdrive PL-HT	Automatic linear sliding door system for large and heavy doors in areas with increased hygiene demands
ECdrive H	Automatic linear sliding door system for areas with increased hygiene demands
Perlan AUT 2 wood	Automation for Perlan on doors with up to 120 kg leaf weight
Perlan AUT-NT glass with 30 mm glass clamping plate	Automation for Perlan on glass doors with up to 80 kg leaf weight
Perlan AUT-NT wood	Automation for Perlan on doors with leaf weights up to 80 kg

### PROFILE AND FITTING SYSTEMS

Fine-framed ISO glass, fine-framed MONO glass, GCprofile Therm, energy-efficient profile system, toughened safety glass clamping profile, all-glass system (GGS), integrated all-glass system (IGG), framed moving leaf door (on-site), timber leaves (on-site), hermetic leaves



## SLIDING DOOR

# Sliding shutter façade

Sliding shutters provide protection against sun, rain, wind and inquisitive glances. They improve the energy balance of your building: in winter, as protection against the cold, on hot summer days the interior remains cooler. GEZE sliding door systems made of wood, metal or plastic have a high load bearing capacity. As is the case with all sliding doors, they can be moved manually, with very little effort or access-free, electrically. The variants with increased corrosion protection are ideal for outdoors and special mechanical stress, such as caused by sea air.





# Sliding shutter façade

## EXAMPLE PRODUCT

→ Perlan AUT 2



Automation for Perlan on doors with up to 120 kg leaf weight

## AREAS OF APPLICATION

- Simple and cost-effective automation solution for the Perlan sliding door fitting
- Shading systems and walk-in wardrobes
- Single and multiple leaf sliding panels
- Can be connected to building management systems
- Attachment to wall or ceiling with additional ceiling bracket
- Not for escape routes or rescue routes

## PRODUCT FEATURES

- Automation of Perlan sliding doors with up to max. 120 kg leaf weight
- Simple driver attachment at top of door leaf
- For timber, plastic or metal leaf material
- Simple installation of belt drive below the Perlan track
- Quick drive fixing with only 2 screws at end of track



## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

Perlan AUT 2	Automation for Perlan on doors with up to 120 kg leaf weight
Perlan 140 KS	Corrosion-proof sliding door fitting for timber, plastic or metal panels with 140 kg leaf weight



KADO KARIM luxury housing development, Riga (photo: Aleksandrs Kendenkovs / GEZE GmbH)



## SLIDING DOOR

# Individual sliding door solutions

A sliding door system is a good choice for any high traffic area. Sliding door systems open the way automatically and safely. Depending on your specific building details, we work with you to create perfectly customised solutions – precise, smart, and individual.



#### Further information

on our individual solutions on the topic of door, window and automation solutions can be found at [www.geze.com](http://www.geze.com)









## GEZE PRODUCT OVERVIEW

# Revolving door

Revolving doors combine ease of access, safety and a 'round' door aesthetic at representative 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.







## REVOLVING DOOR

# Manual revolving doors

Manual revolving doors ensure quiet, elegant and simple access to your building. They provide a needs-based solution when visitor numbers and passage clearances are in the lower range. Manual revolving doors turn easily with light manually-applied pressure, in the same way as turnstiles do. Safety devices are not necessary. Revolving doors contribute to energy efficiency in the building. When opening, the loss of interior warmth and the entrance of cold air is minimised.





# Manual revolving doors



Hitachi Power, Duisburg, Germany (photo: Lothar Wels / GEZE GmbH)

## TSA 325 NT manual

### AREAS OF APPLICATION

- Three and four leaf door systems
- Interior and exterior doors with low access frequency
- Representative building entrances with major light incidence
- Façades with slim post-rail constructions
- Glass façades with maximum design demands
- Inner diameters of 1800–3600 mm possible
- Suitable profile systems are fine-framed profile systems with ISO and mono glass, all-glass systems (GGS) and integrated all-glass systems (IGG)

### PRODUCT FEATURES

- A slight push is enough to move the door leaves
- More cost-effective than an automatic drive, as there are no safety devices in accordance with DIN 18650
- More precise closing between door leaves and side walls
- Greater insulation effect against draughts, the weather and noise
- Optional speed limiter controls circumferential speed when the max. speed limit has been reached
- Optional automatic positioning device brings the door back to the output situation after use



Matra Datavision, Munich, Germany (photo: Martin Jakob / GEZE GmbH)



Badeparadies Schwarzwald, Titisee-Neustadt, Germany (photo: Oliver Look / GEZE GmbH)



## REVOLVING DOOR

# Automatic revolving doors

Automatic revolving doors offer high ease of access for high access frequencies. Perfectly designed and in an elegant look, they create the first impression in your building's foyer. With a variety of different modes of operation and settings, they can be used by everybody. Activated by means of movement detectors, they accelerate and turn automatically. They comply with the highest personal safety standards. Like all revolving doors, they contribute to natural ventilation and to energy efficiency in the building.





# Automatic revolving doors



Austrian Automobile Club, Vienna, Austria (photo: Sigrid Rauchdobler)

## TSA 325 NT – Automatic revolving door system for three or four leaf doors with large area of application

### AREAS OF APPLICATION

- Three and four leaf door systems
- Interior and exterior doors with high access frequency
- Representative building entrances with major light incidence
- Façades with slim post-rail constructions
- Glass façades with maximum design demands
- Inner diameters of 1800–3600 mm possible
- Suitable profile systems are fine-framed profile system with ISO and mono glass

### PRODUCT FEATURES

- Very quiet-running, low-maintenance drive solution with at least 200 mm canopy height
- More precise closing between door leaves and side walls
- Greater insulation effect against draughts, the weather and noise
- Adjustable automatic speed to suit through traffic
- Servo function for motorized support when manually opening the door
- Door can be operated manually, e.g. for carrying out cleaning work
- Can be networked via CAN bus and integrated into building technology management systems
- Independent error recognition and recording
- Freely configurable inputs and outputs for different functions
- Integrated rechargeable battery for emergency opening in the event of safety-relevant faults such as a power failure

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

TSA 325 NT Automatic	Automatic revolving door drive for three or four leaf doors with large area of application
TSA 325 NT BO	Automatic revolving door drive for escape and rescue routes with break-out function
TSA 325 NT GG	Automatic revolving door drive for the realization of all-glass solutions
TSA 325 NT RC2	Automatic revolving door drive with burglar resistance in accordance with resistance class 2
TSA 355	Automatic or manual revolving door system for three or four-leaf doors
TSA 395	Automatic revolving door system for three or four leaf doors with large diameter
TSA 395 Multi	Automatic double leaf revolving door system with integrated sliding door function



FU Campus Dahlem, Berlin, Germany (photo: Stefan Dauth / GEZE GmbH)







## GEZE PRODUCT OVERVIEW

# Window

GEZE window systems create a healthy indoor climate. They increase the safety and comfort in your building. In addition, they reduce the energy consumption and offer a great variety of visual options. Be it a mechanical fitting solution or an electric drive: GEZE window technology combines a wide range of window-related needs: for daily ventilation or in the event of a fire. The programme covers everything from drive systems for natural ventilation, right up to complete solutions (smoke and heat extraction) for preventive fire protection.





## WINDOW

# Manual fanlight openers

With a single motion, manual fanlight openers provide fresh air. Thus, natural ventilation is simple and effective, also with closed main windows. Fanlight windows make rooms brighter. GEZE fanlight scissors open fanlights with large opening widths: window technology that is simple to operate and install. We offer you mechanical fanlight systems for inward opening bottom-hung or top-hung leaves and outward opening top-hung windows. We also have fanlight opener systems for angled, triangular, round and segmental arch windows.



# Manual fanlight openers

## EXAMPLE PRODUCT

→ OL 90 N



Surface-mounted fanlight opener with an opening width of 170 mm

## AREAS OF APPLICATION

- Convenient daily ventilation for rooms and staircases
- Inward opening bottom-hung windows
- Can also be used on rectangular windows for inward-opening top-hung windows
- Create specialised shapes like angled, triangular, round and segmental arch windows
- Individually adjustable for different areas of application (post/rail transmission and window reveal transmission, etc.)
- Coupling and operation of several windows through corner angle transmission
- Automation by E 212 electric linear drive
- Installation on wooden, plastic or aluminium windows
- Frame installation

## PRODUCT FEATURES

- Achieves the full opening width of 170 mm for all leaf heights
- The opening width can be adjusted
- Little space necessary thanks to flat design of the scissors
- Integrated leaf locking mechanism in the scissors ensures secure locking
- Unhinging inhibitor and lockable hand lever offer additional safety
- Lock carrier and additional locking mechanisms increase safety and air-tightness
- Simple scissor re-setting or unhooking by pressing the release button facilitates window cleaning from the inside and outside
- Completely pre-mounted assembly groups facilitate installation



## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

OL 90 N	Surface-mounted fanlight opener with an opening width of 170 mm
OL 90 N top-hung, outward opening	Fanlight opener for outward opening top-hung leaf with an opening width of 170 mm
OL 95	Surface-mounted fanlight opener with an opening width of 220 mm
OL 320	Surface-mounted fanlight opener with an opening width of 320 mm



Stadtquartier Killesberg, Stuttgart, Germany (photo: Nikolaus Grünwald / GEZE GmbH)



Stiftung Ecksberg, Mühldorf, Germany (photo: Robert Sprang / GEZE GmbH)



## WINDOW

# Fitting system

With clever door fittings, you can bring heavy and large-sized windows into a tilted position with only a little effort. The window fittings fulfil high demands for robustness and stability. At the same time, a fitting such as the F 1200 satisfies the needs of upmarket living comfort. The convenient operation includes the ventilation position with variable adjustment – from gap ventilation to tilted end position, safe locking and prevention of incorrect operation.





# F 1200 fitting system



**Cranked turn and tilt hardware for manual ventilation of large and heavy windows**

## AREAS OF APPLICATION

- Convenient daily ventilation for rooms and staircases
- Ventilation with variable adjustment – from gap ventilation to the tilted end position
- Turn and tilt windows
- Installation on metal frame windows
- Leaf installation

## PRODUCT FEATURES

- Achieves the full opening width of 180 mm for all leaf heights
- Tilted opening width with variable adjustment
- Functional safety due to weight-independent crank handle activation with control display
- Suitable for leaf weights up to 200 kg
- Functional safety from friction coupling, to avoid overloading
- Optional extendible fitting system with aid of vertical and horizontal central locks in accordance with leaf size
- Safe locking for almost any number of latch points



Photo: Skyline Windows, New York



## WINDOW

# Opening drives

Electric opening drives relieve you of the opening and closing of windows. Especially when mechanical ventilation demands too much manual force or is not possible at all. Opening drives for windows offer both: Safety in case of danger and ventilation comfort in everyday life. Automated windows with chain or spindle drives serve as a smoke and heat extraction opening in case of fire. As a side effect, they serve the purpose of providing controlled daily ventilation and take on the function of a window ventilation system.



# Opening drives

## EXAMPLE PRODUCT

→ Slimchain



Chain drive in attractive design with many possible applications in 24 V version

## AREAS OF APPLICATION

- Smoke and heat extraction system and natural ventilation (24 V) in the façade area
- Can be used in the exhaust air and air intake
- Inward and outward opening windows with bottom-hung, top-hung and side-hung leaves
- Projected top hung and parallel opening window
- Installation on wooden, PVC or metal windows
- Leaf, frame or integrated installation
- System solution in combination with the Power lock locking drive

## PRODUCT FEATURES

- Slim and discreet appearance integrates perfectly into the façade design
- Drive stroke and individual speeds with variable adjustment for ventilation and smoke and heat extraction
- Available as special version – stroke, cable length, colour and alignment configurable to DIN left/right
- Synchronisation of max. four drives without external control unit
- DIP switches for changing over the mode of operation (Solo and Syncro, master, slave)
- Simple and fast installation with the Smart fix installation system
- IQ windowdrive – intelligent drive control
- Tested as natural smoke and heat extraction device (SHEV) in accordance with EN 12101-2



## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

### CHAIN DRIVES

ECchain	Chain drive with universal consoles for simple automation in ventilation mode
Slimchain 230 V	Chain drive in attractive design with many possible applications in 230 V version
Slimchain	Chain drive in attractive design with many possible applications in 24 V version
Powerchain	Chain drive for large and heavy window elements that need large opening widths
E 740	Chain drive for daily ventilation in the 230 V range

### SPINDLE DRIVES

E 250 NT	Compact spindle drive with a wide area of application
E 350 N	Spindle drive in 230 V version with extensive console programme
E 1500 N	Spindle drive with slim dimensions for heavy leaves in the façade and roof area
E 1500 S	Spindle drive with high opening and closing speed
E 3000	Spindle drive for particularly heavy roof windows

### ELECTRIC LINEAR AND SCISSOR DRIVES

E 212	Electric linear drive for automation of fanlight openers
E 170	Scissor drive as design solution for optimum ventilation
E 170/2	Scissor drive as design solution for optimum ventilation of wide windows

### RETRACTABLE ARM DRIVES

RWA K 600 F	Retractable arm drive for installation on windows
RWA K 600 G	Retractable arm drive for installation on windows and doors with fixed connection using a guide rail



Installation situation (photo: GEZE GmbH)



## WINDOW

# Locking drives

Locking drives offer additional safety for your large smoke and heat extraction or ventilation windows. They are the solution for large leaf areas, when locking with the drive's retention force is not sufficient. With additional locking drives, windows can withstand wind load. They provide sealing in the event of pelting rain and are air tight, in addition to providing increased burglar resistance. GEZE also offers locking elements for window ventilation systems with manual fanlight openers for mechanical ventilation.



# Power lock



Locking drive in combination with Slimchain, Powerchain or E 250 NT

## AREAS OF APPLICATION

- System solution for locking in combination with the IQ windowdrive Slimchain, Powerchain and E 250 NT window drives
- Safety and protection against weather conditions even on large windows by means of additional locking device
- Natural ventilation, smoke and heat extraction systems , natural smoke and heat exhaust extraction device
- Can be used in the exhaust air and air intake
- Inward opening windows with bottom-hung, side-hung, top-hung, double-action and vertically centre pivoted leaves
- Installation on wooden, PVC or metal windows
- Leaf or frame installation

## PRODUCT FEATURES

- Automatic window locking via integrated locking fitting
- Meets high demands for wind load, sealing in the event of rain and air tightness
- Additional safety and protection against weather conditions
- Electronic position detection that unlocks the window before opening it
- Electronic end position cut-off provides protection from incorrect operation and overload
- High tensile and compressive force for up to six locking points
- Locking and unlocking in six seconds
- Synchronization of up to two Power lock and four IQ windowdrive window drives possible
- Tested in combination with IQ windowdrive window drives in accordance with EN 12101-2 (SHEV)



Installation situation (photo: L. Filoglou / GEZE GmbH)





## WINDOW

# Opening and locking systems

Smoke-free escape routes in the event of a fire, thanks to natural smoke and heat extraction and smoke dissipation. A welcome side effect: the function of a window ventilation system for daily ventilation. Smoke and heat extraction opening and locking systems consist of an electric spindle drive and a mechanical door fitting set. With a small spindle stroke, large opening widths are achieved in seconds. The systems can be used on all common side-, bottom- and top-hung windows. The smoke and heat extraction drive does not protrude into the room.





# Opening and locking system

## EXAMPLE PRODUCT

→ RWA 100 NT



Opening and locking system for inward opening bottom-hung, top-hung and side-hung leaves

## AREAS OF APPLICATION

- Opening and locking of inward opening windows with bottom-hung, top-hung and side-hung leaves
- Natural ventilation, smoke and heat extraction system, natural smoke and heat extraction device
- Can be used in the exhaust air and air intake
- Installation on wooden, PVC or metal windows
- Frame installation

## PRODUCT FEATURES

- System solution with profile-mounted E 250 NT spindle drive and a console set with locking device
- Mechanical locking at the main closing edge by the spindle drive
- Large opening width with short spindle stroke in less than 60 seconds
- Synchro operation possible with two drives for wide window leaves
- IQ windowdrive – intelligent drive control
- Tested in accordance with EN 12101-2 (SHEV)

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

RWA 100 NT	Opening and locking system for inward opening bottom-hung, top-hung and side-hung leaves
OL 350 EN	Opening and locking system for inward opening bottom-hung, top-hung, pitched and side-hung leaves
RWA 105 NT	Opening and locking system for post-rail constructions
RWA 110 NT	Opening and locking system for outward opening bottom-hung, top-hung and side-hung leaves
OL 360 EN	Opening and locking system for outward opening bottom-hung, top-hung and side-hung leaves



Installation situation (photo: GEZE GmbH)



Ferihegy Airport, Budapest, Hungary (photo: GEZE GmbH)



## WINDOW

# Smoke and heat extraction system control

Power supply units are the brain and the supply station of the smoke and heat extraction system in your building. They coordinate all smoke and heat extraction system components for safe smoke and heat extraction in case of fire. The emergency power supply units are the control unit for all fresh air and exhaust air openings equipped with smoke and heat extraction drives or door closers. They record the notification of the SHEV push buttons and the automatic triggers, e.g. the smoke detector, control the smoke and heat dissipation and monitor the components for interferences.





# Smoke and heat extraction system control

## EXAMPLE PRODUCT

→ THZ Comfort Ne



Staircase control panel in robust metal housing with illuminated SHEV and ventilation buttons for small smoke and heat extraction systems

## AREAS OF APPLICATION

- Smoke extraction in staircases
- For smaller smoke and heat extraction solutions with one fire section
- Connection options for smoke detector, FT 4 push button, fire alarm system contact, vent switch and weather sensors
- For smoke and heat extraction system drives with a total power consumption of 4.5 A
- Control of electromotive 24 V drives for smoke and heat extraction in the event of a fire
- Control of a controlled natural ventilation
- Suitable for new buildings and retro-fitting

## PRODUCT FEATURES

- Compact and attractive design with a very robust metal housing
- Increased safety due to integrated, illuminated RWA and ventilation button
- Adjustable backlight of the SHEV button
- Safety and reliability confirmed by VdS recognition and TÜV test
- Highest flexibility due to extensive parameter setting options
- Quick and easy commissioning with the ST 220 service terminal
- Reduced installation effort thanks to integrated push buttons
- Interconnection of several staircase control panels via potential-free contacts

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

MBZ 300	Emergency power control panel for smoke and heat extraction drives with a total current consumption of 8–72 A
THZ N4	Staircase control panel in compact housing for small smoke and heat extraction systems
THZ Comfort N4	Staircase control panel in robust metal housing with illuminated SHEV and ventilation buttons for small smoke and heat extraction systems



Augustinum, Stuttgart, Germany (photo: Dirk Wilhelmy / GEZE GmbH)



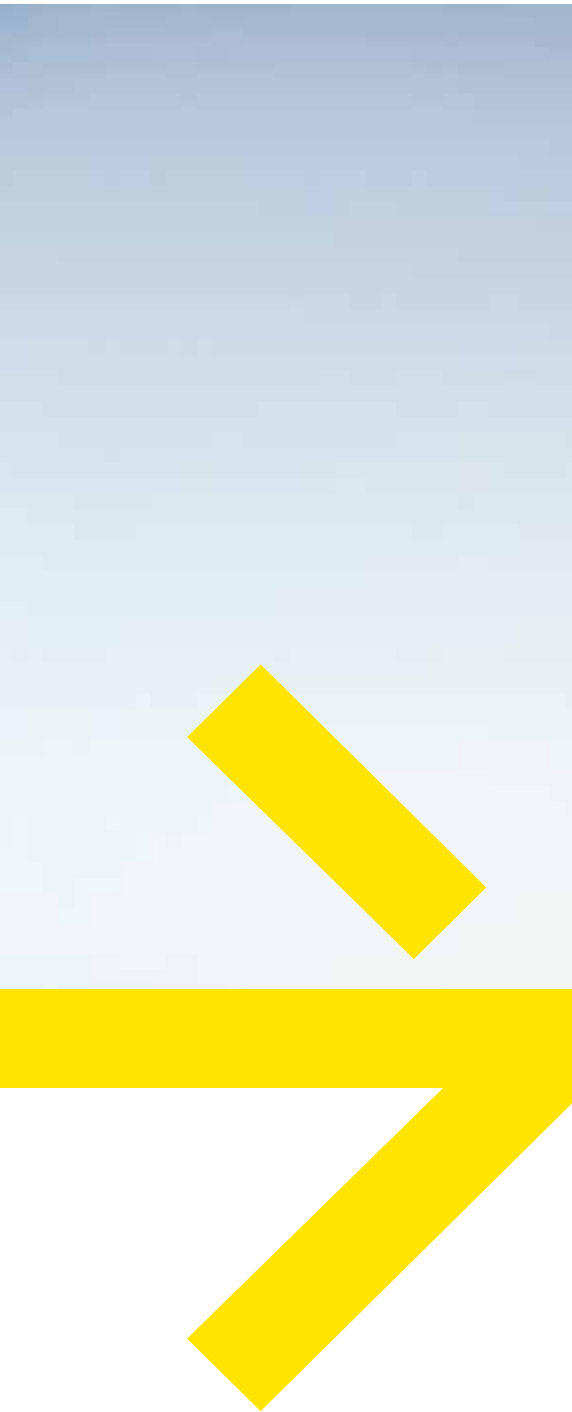
Installation situation (photo: GEZE GmbH)



## WINDOW

# Smart façades

Smart façades analyse all environmental data independently: for your needs and for energy efficiency. For the high claims to be satisfied by building shells, window opening systems, e.g. are optimally controlled. In view of climate change, energy-efficient construction is a necessity. For environmental and energy issues the intelligent interaction of façade technology in smart buildings is necessary. Self-sufficient reacting systems and networked building controls have been particularly developed for glass façades.



# IO 420



## BACnet MS/TP interface module for connecting GEZE products to the building management system

### AREAS OF APPLICATION

- Standardised networking of all GEZE automation solutions from door, window and safety technology
- Integration of GEZE products into the building management system (BMS)

### PRODUCT FEATURES

- Straightforward connection of GEZE products to the GEZE Cockpit
- Comprehensive visualisation, control and monitoring of GEZE products via building management systems or GEZE Cockpit
- Measurability and evaluation of all activities from the fields of door, window and safety technology
- Connection of other components possible at any time
- MS/TP interface
- BACnet B-ASC device profile



# IQ box KNX



Interface module for connection of the Slimchain, Powerchain and E 250 NT window drives in the KNX building bus

## AREAS OF APPLICATION

- Natural ventilation in façades and the roof area
- Direct connection of Slimchain, Powerchain, E 250 NT drives to KNX building systems
- Top-hat rail or flush-mounted installation

## PRODUCT FEATURES

- Activation and feedback of the window drives via the KNX building bus
- One IQ box KNX per window connects up to four window drives and two locking drives
- All drives from the IQ windowdrive series can be combined and integrated according to the planning status
- Greater efficiency for building monitoring thanks to reliable status reports
- Integrated push button interface to connect additional KNX components such as push buttons and sensors
- Status report from every automated window possible
- Easy to retrofit, can be extended as needed

# IQ box Safety



Safety module for protecting hazardous areas  
of power-operated windows

## AREAS OF APPLICATION

- Closing edge protection on automated power-operated windows with 24V IQ windowdrive units
- For connecting safety edges and non-contact sensors
- One IQ box Safety per window for up to four window drives and two locking drives
- Suitable for natural ventilation, smoke and heat extraction systems (SHEV)
- Suitable for all activation units (smoke and heat extraction system control panel, 24 V power supply, KNX, IQ gear)

## PRODUCT FEATURES

- Complies with the most stringent protection rating demands in respect of risk assessment for power-operated windows pursuant to the Machinery Directive (protection rating 4)
- TÜV tested functional safety in accordance with DIN EN 13849-1
- Four pre-set sensor inputs for safety edges and optical sensors
- Top hat rail housing with pluggable clamps for quick and easy wiring
- Integrated push button for closing windows manually during servicing
- Easy and quick commissioning due to pre-set standard parameters
- Adjustments to the parameters with ST 220 service terminal possible



IO 420 im ETW Köln, Deutschland (Foto: Annika Feuss / GEZE GmbH)



IQ box KNX Klassenzimmer (Foto: GEZE GmbH)



## WINDOW

# Individual window solutions

From solutions for large and heavy or very small windows to specialised safety requirements: we will work with you to find just the solution you need in the field of window technology. No matter whether it concerns window locks, window safety or window ventilation systems.



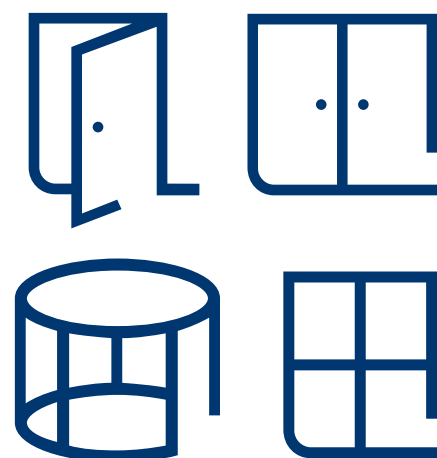
#### Further information

on our individual solutions on the topic of door, window and automation solutions can be found at [www.geze.com](http://www.geze.com)









## GEZE PRODUCT OVERVIEW

# Activation devices and sensors

Choosing an appropriate activation device is of considerable importance for reliable operation. The GEZE product range offers the optimum activation device and the right sensors for each situation. From a single source, we enable complete solutions for individual needs.



# Activation

## EXAMPLE PRODUCT

→ GC 307+



Non-contact proximity switch for activating automatic doors

## AREAS OF APPLICATION

- Non-contact activation of automatic swing, sliding, folding, revolving and curved sliding doors
- Interior and external doors
- Rooms with high hygiene demands

## PRODUCT FEATURES

- Doors can be opened without a requirement for tactile perception
- External input for LED colour change
- Erkennt Personen und Objekte im Erfassungsbereich von 10 - 60 cm
- Scanning ranges adjustable to make environmentally and user-specific adjustments
- Hand-height installation ensures convenient, bacteria-free access
- Can also be installed behind tiles or glass
- Adjustable via DIP switches and remote control: acoustic feedback, LED colours, LED animations, pulse/toggle mode



## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

## RADAR MOVEMENT DETECTOR

GC 302	Radar movement detector for activating automatic doors
GC 304	Radar movement detector with individual adjustment options for activating automatic doors
GC 307+	Proximity switch for activating automatic doors

## INFRARED MOVEMENT DETECTOR

AIR 20	Active infrared light sensor for monitoring the door handles of automatic swing doors
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## WIRELESS PROGRAMME

WRB-5	Radio reception board for ECTurn, ECTurn Inside and Powerturn swing door drives
WRM-24	Receiving module for activating automatic doors and window drives with 24 V DC
WRM-24B	Receiving module for activating automatic doors and window drives with 24 V DC
WTH	Remote control for activation of GEZE automatic doors and window drives via the GEZE wireless programme
WTM	Transmitting module for activation of GEZE automatic doors and window drives via the GEZE wireless programme

## PUSH BUTTON

Elbow switch	Stainless steel elbow switch, IP rating IP65, for activation of automatic doors
Elbow switch	Plastic elbow switch, IP rating IP30, for activation of automatic doors
LS990 elbow switch	Elbow switch for activating automatic doors
Foot switch	Opening doors without hand contact
NOT 220 AP	Emergency exit system emergency button for mains voltage shut-off in the case of an emergency or during maintenance work, surface-mounted installation
NOT 220 AP	Emergency exit system emergency button for mains voltage shut-off in the case of an emergency or during maintenance work
Rocker push button	Emergency exit system emergency button for mains voltage shut-off in the case of an emergency or during maintenance work
NOT 320 AP	Emergency exit system emergency button for mains voltage shut-off in the case of an emergency or during maintenance work, surface-mounted installation
NOTUP	Emergency exit system emergency button for mains voltage shut-off in the case of an emergency or during maintenance work, flush-mounted installation
AS 500	Manual trigger switch for the manual release of electrically controlled hold-open devices
LED sensor foot switch	Push button for activating automatic doors
LED sensor switch	Push button for activating automatic doors
Mini LED sensor switch	Activating all GEZE automatic doors



# Protection

## EXAMPLE PRODUCT

→ GC 342+



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

## AREAS OF APPLICATION

- Protection of automatic swing doors, especially for the secondary closing edge
- Interior and exterior doors
- Use on doors up to 1600 mm leaf width
- Complicated flooring, such as reflective floors, entrance mats, metal rails
- Use on doors with continuous vertical pull handle

## PRODUCT FEATURES

- Compact and space-saving safety sensor
- Narrow detection area secures door leaf widths up to max. 1600 mm
- Integrated object and wall blanking near maximum door opening
- Protection area on the main closing edge is automatically expanded depending on the door angle
- Automatized teaching of the system with the push of a button
- Avoidance of hazards at pinching and shearing edges on automated windows
- Four laser curtains secure a large area, and prevent the door from closing if there is anybody within the door frame
- Laser curtains can be used for non-contact door control via an output signal



## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

GC 342+	Laser scanner for the protection of automatic swing doors with integrated object and wall blanking
GC 342	Laser scanner for the protection of automatic swing doors with integrated object and wall blanking
GC 338	Sensor strip with standby mode for the protection of automatic swing doors and revolving doors
GC 335	Sensor strip with high safety standard for the protection of automatic swing doors and revolving doors
GC 341	Safety sensor for automatic doors
GC 339	Self-monitoring light curtain for the protection of automatic swing doors, revolving doors and curved sliding doors
GC 470 V / GC 472 V	Safety light barriers as single and double beam version for automatic sliding doors



experimenta, Heilbronn, Germany (photo: Jürgen Pollak / GEZE GmbH)

# Combined detectors

## EXAMPLE PRODUCT

→ GC 365



Combined detector for the activation and protection of automatic sliding doors  
with four adjustable light curtain configurations

## AREAS OF APPLICATION

- Activation and protection of automatic sliding doors
- Interior and exterior doors

## PRODUCT FEATURES

- Radar movement detector with infrared light curtain and third presence detector
- Reliable detection up to an installation height of 3500 mm
- Four adjustable light curtain configurations without additional light prisms
- Fewer sensors are needed in total due to the large detection area on the floor
- Look back function secures the area between the door leaves during the hold-open time
- Installation and parameter setting information provided directly in the sensor housing
- All settings can be conveniently made by DIP switch

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

GC 365	Combined detector for the activation and protection of automatic sliding doors with four adjustable light curtain configurations
GC 363	Combined detector for the activation and protection of automatic sliding doors with ten adjustable light curtain configurations



GEZE Eastern branch office, Berlin, Germany (photo: GEZE GmbH)

# Sensors

## EXAMPLE PRODUCT

→ Rain and wind control



## Weather station and control unit for rain and wind monitoring

### AREAS OF APPLICATION

- For connection to SHEV control panels and ventilation control units
- Wall or post mounting
- Automatic closing of windows in case of wind or precipitation in ventilation mode

### PRODUCT FEATURES

- Heated and corrosion-resistant sensor surface
- Wind speed sensor without mechanical components
- Control unit with integrated power supply and LEDs for rain/wind display
- Switching point of the wind speed sensor adjustable
- Output of wind and rain signals individually or together via potential-free contacts

OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

Rain and wind control	Weather station and control unit for rain and wind monitoring
GC 401 RS	Rain sensor for use with the MBZ 300 control panel
GC 402 WVS	Wind speed sensor for use with the MBZ 300 control panel
GC 403 WDS	Wind direction sensor for use with the MBZ 300 control panel
E 70	Room thermostat for ventilation control



experimenta, Heilbronn, Germany (photo: Jürgen Pollak / GEZE GmbH)







## GEZE PRODUCT OVERVIEW

# Glass partition wall

Partition wall systems made of glass allow transparent room partition. They open, divide and separate rooms in line with the desired use. We offer you a great variety of design possibilities. For office partition walls, sliding wall systems in modern shop fitting or as room partitions in public buildings or hotels. The glass systems are design highlights and fit into any style of architecture. Different technologies for functional, high load-bearing capacity and aesthetic solutions are our strength.





## GLASS PARTITION WALL

# Movable glass partition wall

Manual sliding wall systems offer you 'movable' flexibility in room partition. To open glass partition walls, the glass panels simply slide together and are parked elegantly on the side. If the glass partition walls are not to be opened completely: passage doors in the partition wall system are your solution. This means that you can keep your partitioned rooms separate, even when the sliding partition leaves are closed. The passage doors are then user-friendly single- or double-action doors.



# Movable glass partition wall

## EXAMPLE PRODUCT

→ MSW Comfort



Movable all-glass partition wall system for shop partitions and flexible room design

## AREAS OF APPLICATION

- Movable glass partition walls
- Internal and protected external area
- Can be used up to 4000 mm clear height
- Can be used up to 1500 mm panel width
- Can be used for linear and segmented axis profiles

## PRODUCT FEATURES

- Design lines: Classicline, Pureline and Protectline
- Upper and lower continuous horizontal profile offers maximum transparency
- Consists of swing doors and sliding panels
- With option of sliding swing doors
- Comfort lock integrated by default
- SmartGuide technology integrated, depending on stacking area design selected
- Panel weight up to 150 kg
- Toughened safety glass and laminated safety glass can be used
- Glass thickness up to 12.76 mm
- Track system with curve technology facilitates movement of sliding panels



## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

MSW all-glass Classic, Pure- and Protectline	Movable all-glass partition wall system in three design versions with toughened safety glass and laminated safety glass glazing
MSW with fine-framed panels	Movable framed glass partition wall system with horizontal and vertical profiles for glass enclosure
MSW with IGG	Movable all-glass partition wall system with consistent glass surface, where no profile is visible
MSW with on-site leaves	Movable partition wall system for building-specific solutions and innovative room designs



GEZE North branch office, Hamburg, Germany (photo: Jürgen Biniash / GEZE GmbH)



Shopping mall in BahnhofCity at Vienna West station, Austria (photo: Sigrid Rauchdobler / GEZE GmbH)



## GLASS PARTITION WALL

# Static glass partition wall

Static room partitions with glass partition walls make your rooms transparent. Thanks to their modular design, they can be implemented with various system panels, such as glass doors and functionalities. Horizontally-fixed leaf panels can be used as double-action, swing or single-action doors or as fixed panel. The intelligent technology of the partition wall systems, such as the door closers, is hidden or almost invisible. A visual benefit is the consistent profile design of the fixed panels and doors.



# Glass clamping fittings

## EXAMPLE PRODUCT

→ PT 10



### Bottom side-hung leaf corner fitting with mount for flat conical spindle

#### AREAS OF APPLICATION

- For all-glass doors
- For glass thicknesses 10 and 12 mm
- Door leaf weights up to 100 kg, door leaf widths up to 1000 mm, door leaf heights up to 2800 mm
- For single- and double-action doors
- For indoor and outdoor systems
- Suitable for single and double leaf swing doors

#### PRODUCT FEATURES

- Elegant cover caps made of polished or brushed stainless steel
- Problem-free adjustment for glass thicknesses of 10 – 12 mm

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

### CORNER FITTINGS AND PIVOT BEARINGS

PT 10	Bottom side-hung leaf corner fitting with mount for flat conical spindle
PT 20	Top side-hung leaf corner fitting with mount for pivot bearing bolts (ø 15 mm)
PT 24	Glass Fitting top pivot bearing with pivot bearing bolts (ø 15 mm) and screw plate
PT 21	Top pivot bearing with screw-out pivot bearing bolts
DL-RD	Floor-mounted pivot bearing with round bolts (RD)
DL-FL	Floor-mounted pivot bearing with flat tapered bolts (FL)

### LOCKS AND STRIKE BOXES

PL 55	Glass Fitting manual locking device fitting with round bolts
US 50 RD	Glass Fitting lock fitting central lock with round bolts
US 50	Glass Fitting lock fitting central lock with flat bolts
PL 50 RD	Glass Fitting lock fitting corner lock with round bolts
PL 50	Glass Fitting lock fitting corner lock with flat bolts
GK 50	Glass Fitting strike box for central lock fitting
GK 20	Glass Fitting fanlight strike box (double) for two corner lock fittings

### FANLIGHT AND CONNECTING FITTINGS

PT 30	Glass Fitting fanlight fitting with pivot bearing bolts (ø 15 mm) and wall installation accessories
PT 40	Glass Fitting angled fanlight fitting with pivot bearing bolts (ø 15 mm)
PT 84	Glass Fitting connecting fitting for glass wall and glass ceiling (double)
PT 90	Glass Fitting connecting fitting for glass wall and glass ceiling (single)
PT 63	Glass Fitting angle and corner connecting fitting with end stop
PT 24	Glass Fitting top pivot bearing with pivot bearing bolts (ø 15 mm) and screw plate

### FIXED PANEL PROFILE SYSTEM

Profile design 40	Fixed panel profile system for creating static all-glass partition wall
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Installation situation (photo: GEZE GmbH)

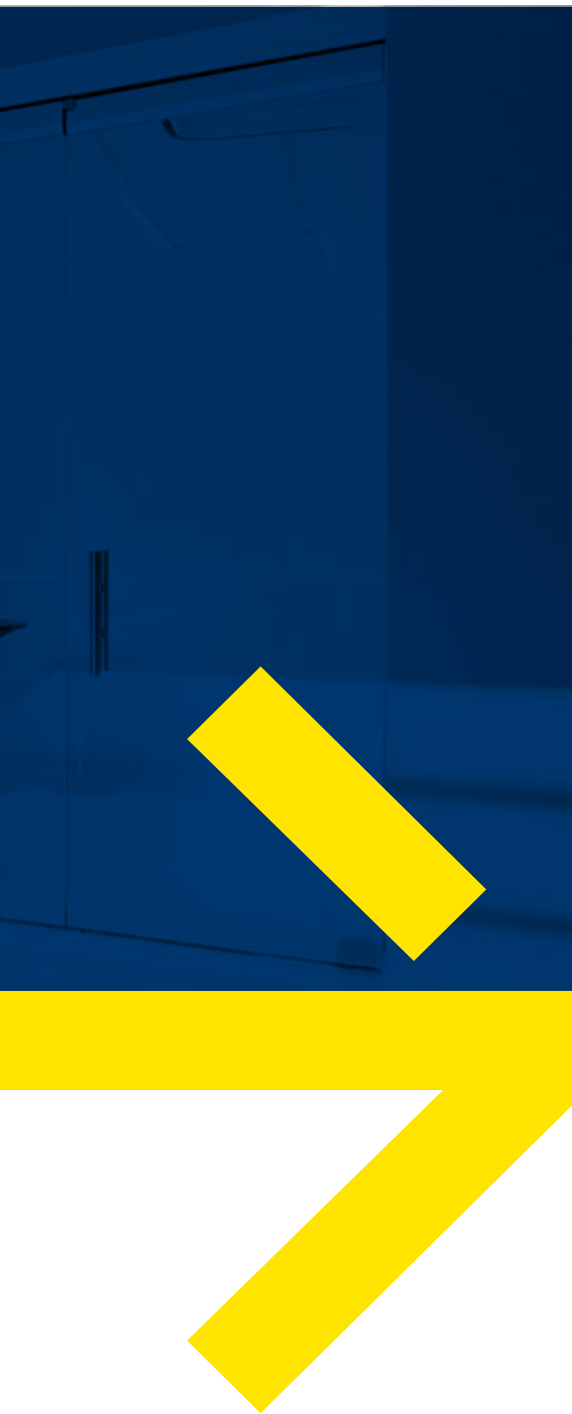




## GLASS PARTITION WALL

# Individual partition wall solutions

Partition wall systems, such as glass office partitions, allow more light to flood in, even where spaces are divided. In work environments in particular, shading solutions are important in providing privacy and allowing glass sliding doors to be opened as partition walls both flexibly and easily. We have the individual room partition you're looking for.



#### Further information

on our individual solutions on the topic of door, window and automation solutions can be found at [www.geze.com](http://www.geze.com)







## GEZE PRODUCT OVERVIEW

# Access control and safety

Safety systems fulfil various safety and monitoring function demands in your building. Due to legal conditions, they are essential in buildings with many people. In hospitals, public buildings, shopping centres or airports: whether reliable access control through intelligent locking or door systems for safe escape and rescue routes: for building safety, GEZE offers a programme of individually-combinable system components.





## ACCESS CONTROL AND SAFETY

# Electric strikes

With electric strikes, you no longer have to go to the door yourself. You open your entrance door by pressing a button. Electric strikes are essential for safety and comfort in highly-frequented buildings. Automatic electric strikes are quiet. Extremely small and compact, they always fit in the door frame optimally. With the variants for standard applications, for fire protection doors and for safety doors, a great variety of requirements can be realised. Selecting the right electric strike is quite simple.







# Electric strike

## EXAMPLE PRODUCT

→ A4001LKB



Model with compact lock latch guide and door status contact

## AREAS OF APPLICATION

- Standard doors
- Connection to direct or alternating current
- Can be combined with automatic swing door drive
- Can be integrated into access control systems

## PRODUCT FEATURES

- Compact dimensions
- Integrated switch contact for door status feedback (open/closed)
- Compact lock latch guide for sleek profiles
- Safe release of the latch even under high preload
- Radius latch with 3 mm adjusting range in 0.75 mm grid
- Integrated bipolar protective diode which protects connected electronic components from reverse voltage
- Can be installed on left hand and right hand doors, as well as vertically or horizontally

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

## VECTOR ELECTRIC STRIKE (A4 SERIES)

A4000--B	Model with basic features
A4000L-F	Model with integrated wireless module for temporary or permanent unlocking
A4001-KB	Model with compact lock latch guide and door status contact
A4020-PA	Model with 2 mm longer, mechanical unlocking lever and wide recess in adjusting angle for KfV strike plates
A4301L-B	Model with function in accordance with closed current principle and door status contact

## COMPACT ELECTRIC STRIKE (A5 SERIES)

A5000--B	Model with basic features
A5001-FB	Model with lock latch guide and door status contact
A5000--E	Model with integrated signal processor

## ELECTRIC STRIKE FOR FIRE PROTECTION DOORS (FT SERIES)

FT200--B	Model with basic features
FT201SFB	Model with silence function, lock latch guide and door status contact
FT500--B	Model with basic features
FT500--FB	Model with lock latch guide
FT501--E	Model with door status contact and integrated preload electronics
FT502--B	Model with 2 mm thickened adjusting angle
FT503-FB	Model with 2 mm thickened adjusting angle, lock latch guide and Door status contact



Vector Informatik GmbH, Stuttgart, Germany (photo: Jürgen Pollak / GEZE GmbH)



## ACCESS CONTROL AND SAFETY

# Self-locking panic lock

Self-locking panic locks offer you the quick opening of doors in an emergency, controlled access and burglar resistance. A great variety of requirements can be realised for ensuring building safety. A GEZE panic lock is the solution for complex door systems with multiple requirements. In this way, an access control system, a smoke and heat extraction system, an emergency exit system and a door drive for accessibility in normal operation can be combined into one door system.



# Self-locking panic lock

## EXAMPLE PRODUCT

→ IQ lock AUT



System solution for full panic doors with automated door leaves on both sides



## AREAS OF APPLICATION

- Double leaf emergency exit and panic doors (DIN left and DIN right)
- Doors along escape and emergency exit routes
- Fire and smoke protection doors (with MST 210 motor lock control, IO 420 interface module and on-site emergency power supply)
- Doors along escape and emergency exit routes
- Smoke and heat extraction fresh air doors
- Access control systems
- Can be combined with GEZE automatic swing door systems

## PRODUCT FEATURES

- Motor unlocking of door on active and passive leaves in less than three seconds
- Mechanical self-locking brings the bolt into its locked position on the active and passive leaves
- Unlocking of active leaf by activating passive leaf (full panic function)
- Divided cross latch prevents the bolt from locking even under preload
- Electric timeout function on the active leaf ensures that door will be locked safely
- Different modes of operation available for every situation
- Integrated feedback contacts on active and passive leaves enable complete door monitoring
- Choice of sabotage monitoring or cylinder contact on active leaf
- Insurance-compliant locking ensured



## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

## FOR SINGLE LEAF DOORS

IQ lock EL	Electric motor lock for combining with swing door drives on single leaf doors
IQ lock EM	Electromechanical lever lock for combining with access control systems on single leaf doors
IQ lock C	Mechanical contact lock with feedback contacts for single leaf doors
IQ lock M	Mechanical panic lock for simple panic functions on single leaf doors

## FOR DOUBLE LEAF DOORS

IQ lock AUT	System solution for full panic doors with automated door leaves on both sides
IQ lock EL DL	Electric motor lock for combining with swing door drives on double leaf doors
IQ lock EM DL	Electromechanical lever lock for combining with access control systems on double leaf doors
IQ lock C DL	Mechanical contact lock with feedback contacts for double leaf doors
IQ lock M DL	Mechanical panic lock for simple panic functions on double leaf doors



Vector Informatik GmbH, Stuttgart, Germany (photo: Jürgen Pollak / GEZE GmbH)



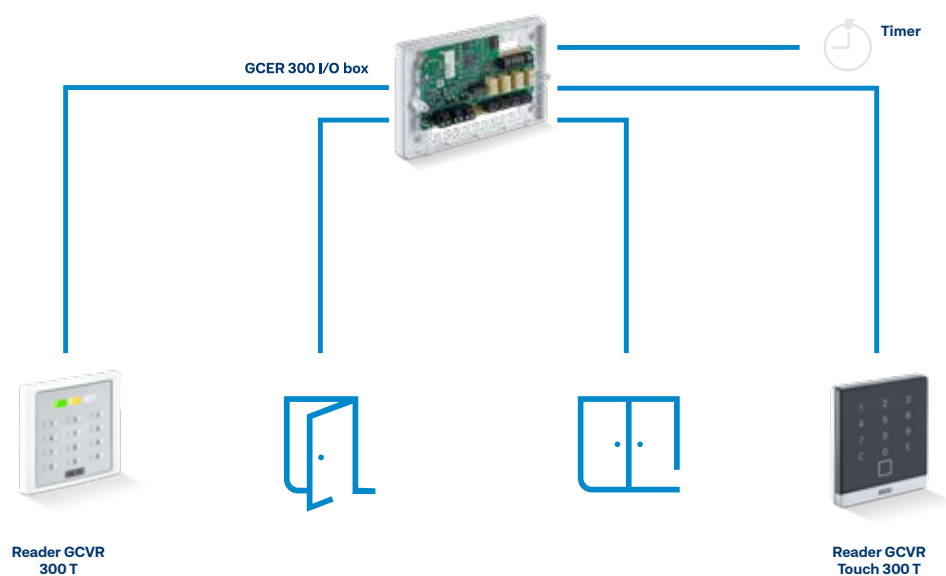
## ACCESS CONTROL AND SAFETY

# Access control

Access control systems will enable you to ensure that only authorised people are allowed to enter your building. Only you get to determine who can enter your building – or certain areas within – how and when. Use our solutions to protect your building from unauthorised access. We offer you reliable identification methods – because it concerns the safety of people, valuables and data.



# GCER 300



## AREAS OF APPLICATION

- For interior and exterior areas
- Can be integrated/combined into the GEZE Cockpit building automation

## FEATURES

- Control of up to 120 online access points (readers)
- Management of up to 60 (basic version), 500 or 1000 personal master records
- Client management for buildings with several tenants
- Browser-based application with modern and intuitive user interface
- Access authorisation via contactless readable transponder or personal PIN if available
- Flexible access authorisations for optimum building usage
- Investment protection thanks to backwards compatibility
- Management possibilities for personal master records are scalable

OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

ACCESS CONTROL SYSTEMS

GCER 300	Access control system as stand-alone solution for up to two doors
NUMBER CODE LOCKS	
Toplock CTI	Number code lock for easy access control for internal areas
Toplock CTI B	Illuminated number code lock with evaluating unit for easy access control for internal areas
Toplock CTS V	Number code lock for easy access control for external areas
Toplock CTS BV	Illuminated number code lock for easy access control for external areas



GCVR 800 Touch T installation situation, Germany (photo: GEZE GmbH)



## ACCESS CONTROL AND SAFETY

# Emergency exit systems

Emergency exit systems ensure safe escape and rescue routes in your building in the case of danger. People must be able to leave the building rapidly. Building safety is governed by strict regulations. The emergency exit door control (door control unit) enables authorised parties to use an emergency exit during daily operation. In the event of an emergency, it opens for everyone. This central control unit controls the intelligent interplay of all system parts. It secures and monitors all opening and closing procedures at the door.





# Door control units

## EXAMPLE PRODUCT

→ TZ 320



Door control unit for controlling escape route doors

## AREAS OF APPLICATION

- Control and monitoring of individually electrically locked escape route doors
- For simple applications or smaller buildings to complex building structures
- Monitoring of emergency exits with network functions
- Flexible concept for several emergency exits
- Surface-mounted installation or flush-mounted installation as 3, 2 or 1-box solution

## PRODUCT FEATURES

- TZ 300: low-price version with simple installation, safe release by flat operable impact cover, can be operated via an integrated power supply
- TZ 320: numerous inputs and outputs for more functionality, simple installation due to clearly separated connections, setting of parameters via the ST 220 service terminal, can be operated via an integrated power supply
- TZ 320 with terminal box KL 220 terminal box or IO 420 interface module: extended range of use through several entrances and exits, transmission of alarms and door statuses
- FTV 320: locking for various safety applications thanks to high retention forces, safe and immediate unlocking under preload and unlocking without a current (fail-safe principle)

## OTHER PRODUCTS IN THIS CATEGORY

You can find areas of application, product features and other information on our website.

## DOOR CONTROL UNITS

TZ 300 SN AP	Door control unit for controlling individual escape route doors with key switch and power supply (surface-mounted installation)
TZ 300 SN UP	Door control unit for controlling individual escape route doors with key switch and power supply (flush-mounted installation)
TZ 300 S AP	Door control unit for controlling individual escape route doors with key switch (surface-mounted installation)
TZ 320 BSN AP	Door control unit for controlling emergency exits with illuminated escape route sign, key switch and power supply (surface-mounted installation)
TZ 320 BSN UP	Door control unit for controlling emergency exits with illuminated escape route sign, key switch and power supply (flush-mounted installation)
TZ 320 BS AP	Door control unit for controlling emergency exits with illuminated escape route sign and power supply (surface-mounted installation)
TZ 320 SN AP	Door control unit for controlling emergency exits with key switch and power supply (surface-mounted installation)
TZ 320 SN UP	Door control unit for controlling emergency exits with key switch and Power supply (flush-mounted installation)
T 320	Terminal for bidirectional emergency exit protection

## USER INTERFACES

TE 220	Control panel for central visualisation and control of emergency exits
GEZE Cockpit	Building automation system for the operation and monitoring of automated GEZE products and third-party products

## LOCKING ELEMENTS

FTV 320	Escape door lock for doors in rescue routes
MA 500	Holding magnet for locking an emergency exit with magnetic force



Olga Hospital, Stuttgart, Germany (photo: Jürgen Pollak / GEZE GmbH)



## ACCESS CONTROL AND SAFETY

# Individual safety solutions

Access control systems must not be ignored in buildings where many people go in and out daily. Not everyone who enters the building needs to have the same authorisations. Combined with needs such as fire protection, escape routes, etc., buildings can quickly become complex. Sometimes, specialised solutions are in order. Always with the aim: the highest possible safety at all times.



#### Further information

on our individual solutions on the topic of door, window and automation solutions can be found at [www.geze.com](http://www.geze.com)











## GEZE PRODUCT OVERVIEW

# Building automation

Building automation makes your building more liveable: more convenient, safer, and saves more energy. Essential in larger buildings, it enables the supervision and operation of the building technology as a whole. For efficient building management in a smart building, we offer you a unique networking opportunity. With our building automation system, we are pioneers in networking doors and windows. It is based on open communication standards and can be integrated into building management technology.



# GEZE Cockpit



Modular building automation system for using various software applications in building automation or BACnet IP integration in other systems



## AREAS OF APPLICATION

- Networking of door and window technology with smart software and open interfaces
- Building automation of GEZE products
- BACnet IP integration in building management systems
- Connection of CAN bus-compatible GEZE products via 1 bus line
- Connection of CAN bus-compatible GEZE products via several bus lines
- Connecting non-bus compatible GEZE products or foreign components with GEZE IO 420 interface module
- Connection of CAN bus-compatible GEZE products via GEZE IO 420 interface module
- Connection of smoke and heat extraction systems by GEZE via IO 420 interface module

## PRODUCT FEATURES

- Modular building automation system
- BACnet standardised device profile B-BC (BACnet Building Controller)
- Visualisation, operation and monitoring of connected GEZE products
- Browser applications for versatile applications in building operations can be separately licence
- Connection option for different bus lines for flexible building planning and scalability
- Powerful hardware for installation in control cabinets (top-hat rail mounting)
- GEZE Cockpit BASIC configuration software
- GEZE Cockpit VISU app for the visualisation and operation of GEZE products
- GEZE Cockpit VISU+ app for additional alarms, monitoring and email notification service
- Multi-client capable system for depicting wide variety of building and user structures
- Activation of different connections via licensable protocol adapter (max. 3 per hardware)



Vector Informatik business headquarters, Stuttgart, Germany (photo: Jürgen Pollak / GEZE GmbH)

# **We are GEZE.**

## **For liveable buildings**

GEZE stands for innovation, high quality and comprehensive support of building technologies. From the initial idea, planning and operational implementation with series products to customised system solutions and individual service and maintenance plans. We offer an extensive product range of door, window and safety technology products and are a major driving force behind the digital networking of building automation.

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