



THE EUROPEAN SAFETY STANDARD

# EN 16005 for door automatics



## THE EUROPEAN SAFETY STANDARD

# Highest quality equals safety assurance

As a world leading supplier of high quality products for the building industry, GEZE has a proud history of supplying state-of-the-art products and services to our international customers. We support and connect all those involved in the building lifecycle – with one goal in mind: to develop comfortable residential and working spaces.

With a door solution from GEZE, your door automatic lives up to the highest product quality. Safety of the users is of course of major importance and therefore we offer a wide range of safety sensors to compliment the door automatic.

The European Standard EN 16005 came in 2012 and considers all parts of newly installed machinery. The regulations include door automatics and other machinery for automatic opening and closing cycles, which could potentially create danger for the users. The regulations separate the area of usage in two: High risk and tolerated risk. It is important to be aware of the differences in the two, as they have different demands for level of safety precautions.

→ **High risk** Public buildings in general and private buildings where a high majority of the users are elderly, disabled or young children. Examples are hospitals, schools and retirement homes.

→ **Tolerated risk** Private buildings where the majority of the users are adults without disabilities. Examples are office buildings and private homes.

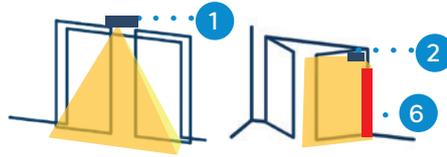
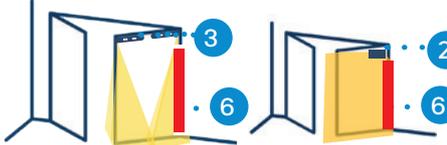
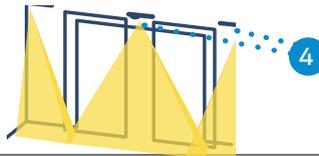
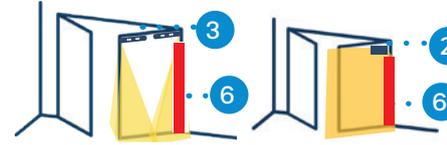
The Safety Standard also contains recommendations for maintenance as well as a demand for a complete Safety analysis for the installation and inspection manuals with installation. With a solution from GEZE, you can be sure that the standard is followed and we are always available for product maintenance.

It is your responsibility to have the right level of safety on doors in your building. We are of course always ready to support you with the right solution, whether for new installations or on exiting doors. We always recommend that you ensure safety according to EN 16005.

## EN 16005 INSTALLATIONS

Choosing the right safety sensor, is critical for the door to operate according to EN 16005.

The general rule is that when a large proportion of the users are elderly, infirm, disabled persons and young children any contact of the doorset with the user is unacceptable. At the same time, the law differs between public buildings with access for everyone and private buildings with restricted access.

BUILDING	RISK TYPE	DOOR TYPE	SOLUTIONS
 Office building	<b>TOLERATED RISK</b> Contact with the door is <b>tolerated</b>		
 Private building			
 Hotel & Gastronomy			
 Retail Industry			
 Kindergarden Schools	<b>HIGH RISK</b> Contact with the door is <b>forbidden</b>		
 Health Care			
 Public building			

**1 GC 363 R**  
Combined detector for activating and safeguarding of automatic sliding doors

**2 GC 342**  
Laser scanner for the protection of automatic swing doors with integrated object and wall blanking

**3 GC 334**  
Electronically adjustable active infrared sensor with dipswitch for safeguarding of automatic swing and revolving doors

**4 GC 339**  
Active infrared detector with self-monitoring function to the protection and activation of automatic doors

**5 GC 335**  
Sensor strip for the protection of automatic swing and revolving doors

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

## ACTIVATION OPTIONS FROM GEZE

### Activation options with sliding door systems



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

### Activation options with swing door systems



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

## MAINTENANCE

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

OVERVIEW

# Products

## ECturn

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



ID.nr: 134536

## Slimdrive SL NT

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



ID.nr: 132473

## Slimdrive EMD-F

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



ID.nr: 107577

## ECdrive T2

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



ID.nr: 179246

## Powerturn

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



ID.nr: 153065

## Powerdrive PL

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



ID.nr: 117027

## GC 334 Safety sensor

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



## GC 335 Safety sensor

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



## GC 363 R

Combined detector for activating and safeguarding of automatic sliding doors



ID.nr: 151237

## GC 339

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



ID.nr: 151251

## GC 342 Laser scanner kit

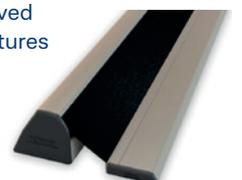
Laser scanner for the protection of automatic swing doors with integrated object and wall blanking



ID.nr: 167438

## Unisafe fingerprotection

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



ID.nr: 184475

# Connecting expertise – building solutions.



**GEZE Sweden** Mallslingan 10 | SE-187 11 Täby Sweden | **TEL.** +46 (0) 8 732 34 00 | **EMAIL** sverige.se@geze.com | [www.geze.se](http://www.geze.se)  
**GEZE Denmark** Mårkærvej 13L | DK-2630 Taastrup, Denmark | **TEL.** +45 46 32 33 24 | **EMAIL** danmark.se@geze.com | [www.geze.dk](http://www.geze.dk)  
**GEZE Norway** Bølerveien 71 | NO-2020 Skedsmokorset, Norway | **TEL.** +47 63 95 72 00 | **EMAIL** norge.se@geze.com | [www.geze.no](http://www.geze.no)

**GEZE Scandinavia AB** Mallslingan 10 | SE-187 66 Täby, Sweden | **TEL.** +46 (0) 8 732 34 00 | [www.geze.com](http://www.geze.com)  
**Finland | Iceland | Latvia | Estonia | Lithuania**  
**EMAIL** finland@geze.com | iceland@geze.com | latvia@geze.com | estonia@geze.com | lithuania@geze.com