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AUTOMATIONS  
SOLUTIONS**

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**GEZE GC 306**  
**PROXIMITY SWITCH**

# Overview

## GEZE activation devices and sensor systems

### Activation of automatic drives

For the reliable operation of an automatic door, the choice of the appropriate activation devices is of considerable importance. The product range of the GEZE activation devices offers the optimum activation device for every door situation. GEZE activation devices

control and safeguard all GEZE automatic solutions according to international standards. They enable complete solutions from a single source, to be designed to meet individual needs.

### Automatic swing door systems



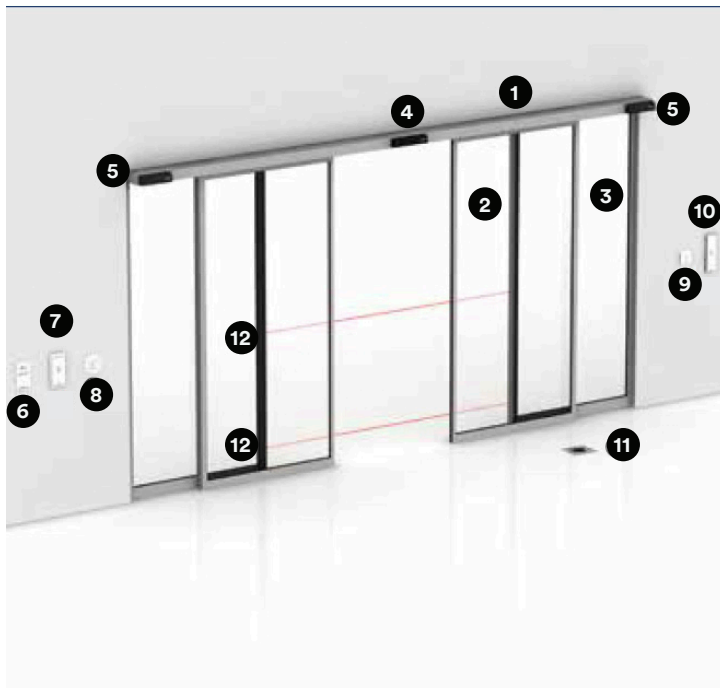
Automatic swing door systems from GEZE ease the access of a door every time when the manual opening is too hard or inconvenient. They are recommended in public as well as in private buildings, when convenience, accessibility, safety and hygiene are necessary or when energy has to be saved: in shopping centres, schools, office or industrial buildings, airports, clinics, vestibules or in private homes.

<b>1</b> swing door drive	<b>2</b> radar movement detector	<b>3</b> plastic elbow switch	<b>4</b> programme switch with key switch	<b>5</b> proximity switch	<b>6</b> elbow switch
<b>7</b> LED sensor button glass	<b>8</b> manual trigger switch	<b>9</b> LED sensor foot switch	<b>10</b> safety sensor		

# Overview

## GEZE activation devices and sensor systems

### Automatic sliding door systems



Sliding doors are space-saving, elegant and modern. As glass solutions, they are ideal when it comes to making good use of daylight and fulfilling optical criteria. Automatic sliding door systems from GEZE can be used to implement an extremely wide range of application requirements within one building. In the entrance area, in vestibules or for automating internal doors, the automatic sliding doors from GEZE combine design and barrier-free convenience. They also meet the demands made on escape and rescue routes.

<b>1</b> sliding door drive	<b>2</b> moving leaf	<b>3</b> fixed panel	<b>4</b> combined detector	<b>5</b> active infrared light curtain	<b>6</b> programme switch with key switch
<b>7</b> plastic elbow switch	<b>8</b> LED sensor button glass	<b>9</b> proximity switch	<b>10</b> elbow switch	<b>11</b> LED sensor foot switch	<b>12</b> photoelectric barriers

# Overview

## GEZE activation devices and sensor systems

### DIN 18650

The industrial standard DIN 18650 was created to be able to guarantee operators and users of automatic doors optimum safety. GEZE automatic doors as well as activation devices and sensor systems are type-tested according to DIN 18650 and certified.

### EN 16005

The European standard EN 16005 sets out the design requirements and testing methods used to ensure the safe use of automatic doors. The new standard has created a Europe-wide safety standard for automatic doors. All automatic door systems and safety sensors from GEZE meet the EN 16005 standard and are available.

## Automatic revolving door systems



The TSA 325 NT drive variant with its customer specific diameter as well as height and canopy height is the focal point of modern façade design – especially in large and representative buildings. Different materials for door leaves and drum walls offer a variety of design options. The revolving door is designed to take heavy loads and is thus the ideal solution for places that have a high frequency of visitors. Thanks to its high insulating effect against weather conditions, it also saves energy and ensures a good, consistent indoor climate.

**1**

revolving door drive  
(can alternatively be  
installed in the floor)

**2**

radar movement  
detector

**3**

active infrared  
light curtain

**4**

emergency stop  
button

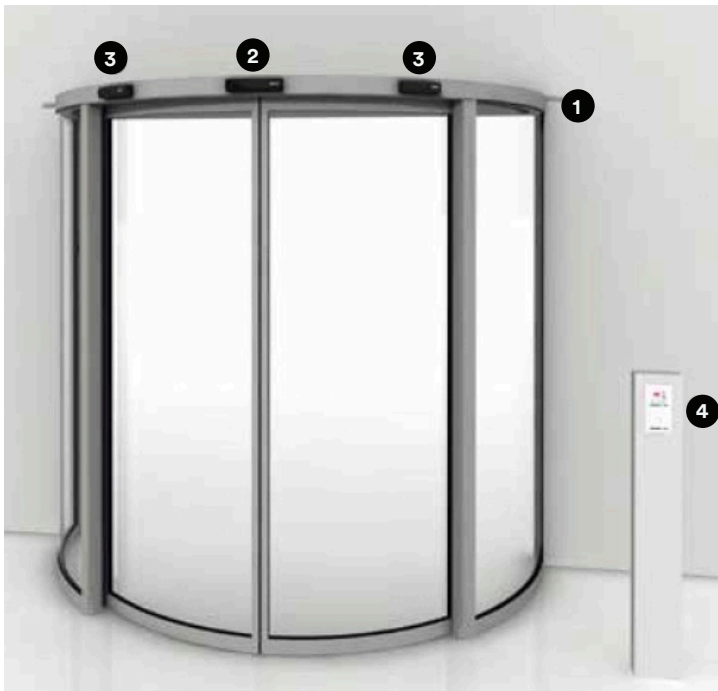
**5**

programme switch  
with key switch  
(bollard on-site)

# Overview

## GEZE activation devices and sensor systems

### Automatic curved sliding door systems



Automatic curved sliding door systems are a function and design element at the same time. Even with small outer dimensions, they create enormous space for passage. The door systems can be given a convex or concave form and can be connected to the building in different ways.

**1**

sliding door drive

**2**

combined detector

**3**

active infrared light curtain

**4**

programme switch with key switch (bollard on-site)

# Overview

Table for the application of activation devices on automatic door systems

Activation devices on automatic door systems				
Key	● = Yes			
	Swing doors	Sliding doors	Circular sliding doors	Revolving swing doors
<b>Activation</b>				
Radar movement detector	●	●	●	●
AIR movement detector	●			
Wireless programme	●	●	●	
Mechanical push button	●	●	●	
Sensor push button	●	●	●	
Rotary switch contact	●			
<b>Presence detectors</b>				
Light barriers		●		
Safety sensor	●			●
AIR light curtains		●	●	●
Laser scanner	●			
<b>Combined detectors</b>				
Detector including AIR light curtain		●	●	
<b>Programme switches</b>				
Programme switch	●	●	●	●
Key switch	●	●	●	●
Main / safety switch	●	●	●	●
<b>Smoke switches and control units</b>				
Smoke switches and control units	●			

# GEZE GC 306 Proximity switch



# GEZE activation

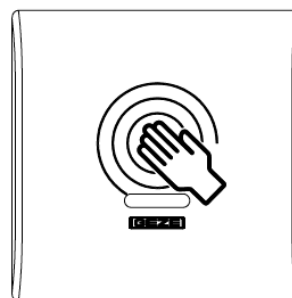
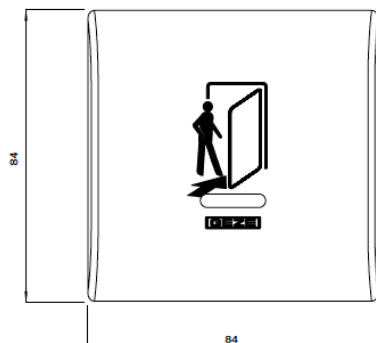
## GEZE GC 306 proximity switch

### Non-contact activation of automatic doors

Open doors in a flash: with GC 306, internal doors without a haptic perception requirement can also be activated cleanly and comfortably. The sensor ensures, for instance, bacteria-free access to toilets or germ-free conditions in hotel kitchens, swimming pools and doctors' surgeries. The impulse generator is installed at hand height and precisely detects people and objects – independently of their direction of movement – both in the direct vicinity of only 10 cm, as well as 50 cm away. The different scanning ranges can be optimally

adapted to existing environmental conditions and the interests of the user groups. Non-contact sensors offer a high level of operating comfort – people only need to approach them to trigger the automatic opening mechanism – and the advantage of absolute hygiene. The optimum system structure permits simple and time-saving installation in the flush mounted socket.

### GEZE GC 306 proximity switch



### Area of application

- Activation of automatic swing, sliding, folding, revolving and curved sliding doors
- Clean rooms with high hygiene requirements (laboratory, hospitals, operating theatres etc.)
- Homes for the elderly and care homes
- Homes for the disabled
- Hotels and gastronomy



# GEZE activation

## GEZE GC 306 proximity switch

### Technical data

Product features	GEZE GC 306
Technology	Electro-magnetic radar waves
Operating voltage	24 V DC/AC
Output	Potential-free relay output, 48 V AC / DC, 1 A AC / DC, 60 VA / 30 W
Connection type	Screw terminal
Height	84 mm
Width	84 mm
Depth	32 mm
Installation height	at hand level
IP rating	IP30
Operating temperature	-20 – 55 °C
Humidity	< 90 %
Approvals	R&TTE 1999/5/EC, EMC 2004/108/EEC

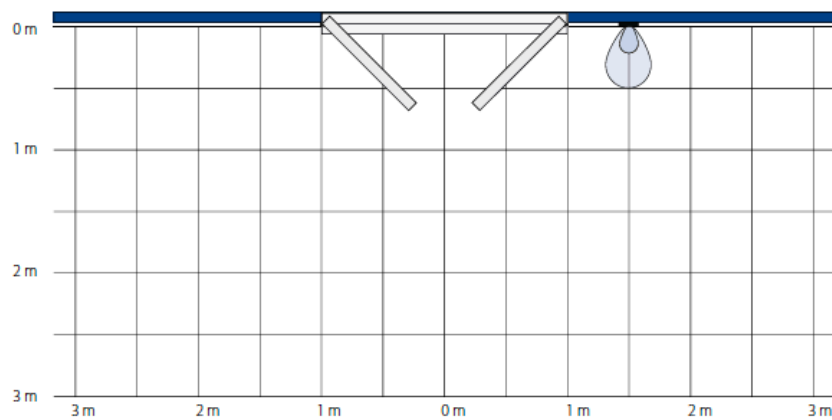
# GEZE activation

## GEZE GC 306 proximity switch

### Detection area and application example

**Key**

Scanned area: 10-50 cm



### GEZE GC 306 - Order information

Description	Version	ID.No.
GC 306 with GEZE pictogram proximity switch for activating automatic doors	alpine white	163028
GC 306 with GEZE pictogram proximity switch for activating automatic doors	alpine white	163029
Surface-mounted box GC 306	alpine white	164059



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