



Forum



GEZE SEMI-CIRCULAR AND CIRCULAR SLIDING DOOR SYSTEMS INNOVATIVE TAILOR-MADE ENTRANCE SOLUTIONS



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BEWEGUNG MIT SYSTEM



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GEZE special constructions for semi-circular and circular sliding door systems

Innovative tailor-made entrance solutions

The entrance area of a building reveals a building's character. For tailor-made entrance solutions, GEZE has an internal specialised company sector: **GEZE Sonderkonstruktionen GmbH** (GEZE special constructions). Representative buildings all over the world are equipped with representative entrance solutions from GEZE Sonderkonstruktionen. Applications in different areas reflect our many years of experience.

Semi-circular and circular sliding doors create more space and light. This range is characterised by ease of operation, a wide range of design options and straightforward installation.

The advantages at a glance

- Individual planning and production for every building
- TÜV type-tested in accordance with DIN 18650 / EN 16005 in all versions
- Low drive height of 7 cm permits large passage heights and conveys an elegant appearance
- The high level of light creates bright, friendly entrance areas
- Emphasis on transparency with the glass roof variant
- High-quality materials and state-of-the-art control technology guarantee high efficiency
- Semi-circular and circular sliding doors create up to 40 % more opening width compared with linear sliding doors
- Just perfect for glass façades with slim post-rail-constructions
- Central suspension of the moving leaves guarantees very quiet running and a long service life
- FR variant for use in escape and rescue routes according to AutSchR
- Simple operation and adjustment based on tried-and-tested sliding door technology

Slimdrive SC: drive for semi-circular sliding doors, can be used as a vestibule in combination with linear sliding doors

Slimdrive SCR: the 360° drive solution for circular sliding doors

SC-FR and SCR-FR: approved for use in escape and rescue routes, type-tested in accordance with DIN 18650 / EN 16005 and certified

Slimdrive SC/SCR GGS: version of the automated all-glass curved sliding doors with the all-glass fitting system GGS and glass roof

Slimdrive SC RC 2 and SC-FR RC 2: the burglar-resistant semi-circular and circular sliding door system with fine-framed fitting system

DIN 18650

The industrial standard DIN 18650 was created to be able to guarantee operators and users of automatic doors optimum safety. GEZE semi-circular and circular sliding door systems have been type-tested in accordance with DIN 18650 and certified.

EN 16005

The new 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.



CGG Drenova Cemetery, Rijeka, Croatia (Photo: Robert Les)

Overview table of automatic semi-circular and circular sliding door systems

Technical data

Product features				
	SC	SC-FR	SCR	SCR-FR
For escape and rescue routes	-	●	-	●
Barrier-free	●	●	●	●
Adjustable opening speed	●	●	●	●
Adjustable closing speed	●	●	●	●
Opening width 2-leaf	800 – 3000 mm		800 – 2300 mm	
Clear passage height*	3000 mm			
Canopy height (min.)	70 mm			
Leaf weight (max.) 1-leaf	100 kg			
Leaf weight (max.) 2-leaf	120 kg			
Radius (min.)	1000 mm	1100 mm	1000 mm	1100 mm
Radius (max.)			2000 mm	
Moving leaf version	10 mm VSG, 10 mm ESG-H with GGS fitting system (GGS variant), special glass on request			
Side elements version	10 mm VSG, 22 mm panel lining, 34 mm smooth-surface panel, VSG 12 mm without frame (GGS variant), special glass on request			
Surfaces	Powder-coated according to RAL, anodised light alloy E6/EV1, colour anodised according to sample, coated with polished stainless steel, coated with grit 240 stainless steel, special coating on request			
Version of roof structure	Optical sheet metal covering, waterproof roof with waterspout, glass roof			
Illumination	with roof variant, not possible with glass roof		according to customer wishes, not possible with glass roof	
Floor covering	Scraper mat, floor mat according to customer wishes			
Hot-air curtain system	possible, depends on the ceiling construction		integrated in the suspended ceiling	
Off-centre façade connection	●	●	●	●
Special functions on request	●	●	●	●
Operation	Display programme switch DPS, display programme switch MPS, display programme switch TPS, display programme switch integrated in the drive, PC, control, control unit			
Approvals	DIN 18650, EN 16005			

- = YES
- = NOT AVAILABLE
- * = HIGHER ON REQUEST

General product features for SC/SC-FR and SCR/SCR-FR

System description

- Door profiles and running rail made of aluminium or with wood panelling
- Continuous floor guide made of stainless steel
- System can be designed convex (running inside) and concave (running outside)
- Individual solutions for side and upper connections to concrete, masonry, steel structure, glass structure as well as post-rail structure
- Large choice of surface finishes available
- System and moving leaf can be equipped fine-framed with GEZE profile systems or with the GEZE GGS fitting system
- There are numerous equipment versions for the design of the side elements and ceiling structure

Version of FR variants suitable for use in escape and rescue routes

- Duplicate processing system thanks to 2-motor technology/rechargeable battery with a redundant control
- Programme switch is lockable: The programme switch may only be operated by authorised persons. For this reason, a key-operated switch is essential. The mode of operation selected must be able to be recognised clearly.
- Self-monitoring movement detector (redundancy): Function must be continually monitored. If a fault is diagnosed, the door moves to the open position (repairs necessary).
- Note on the locking of escape and rescue route doors (operation mode „night“): Automatic sliding doors for use in escape and rescue routes may be locked providing there are no escape and rescue route requirements made on them during this defined time period. This is usually the case when there is no-one in the building or if a different escape route is signposted for these people.

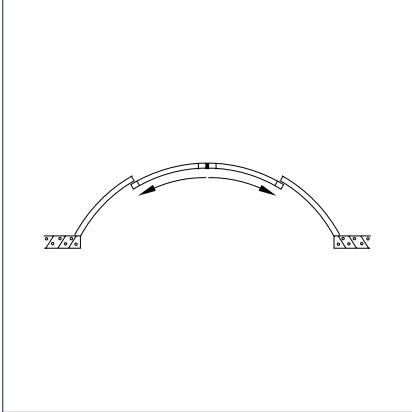
Description of the control with functions

- Fully digital control with high-power micro-processor
- All system settings and display of function, error and maintenance parameters are possible via GEZE display programme switch
- Operating modes: automatic, permanently open, shop closing (one-way), night, off
- Reduced opening width with variable adjustment in learning mode, with the FR-version taking the minimum escape route width into consideration. This depends on the number of persons who will have to use this exit and is at least one metre from 5 people onwards.
- Different hold-open times during summer operation, winter operation and key activation
- Display of statistical data as well as display of faults via programme switch (number of opening movements, service interval display)
- Self-learning door control
- Hold-open time can be adapted automatically to volumes of people (can be activated)
- Connection to fire alarm system
- Electromechanical locking with optional status contact for alarm systems
- Opening and closing speed can be adjusted individually
- Fault display for safety sensor and radar movement detector
- Controls with special function on request

Overview of basic designs and special variants

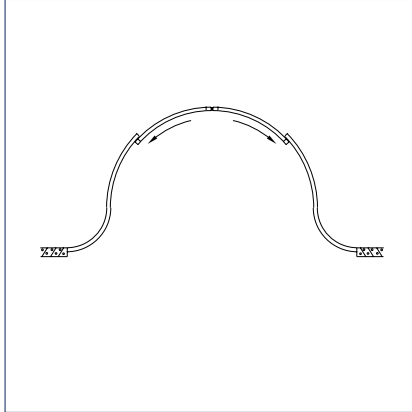
Semi-circular sliding doors GEZE Slimdrive SC

Basic design



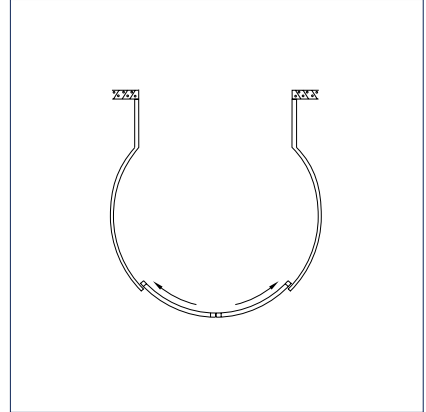
Double or multi-leaf semi-circular sliding door, can be combined as required

Special variant



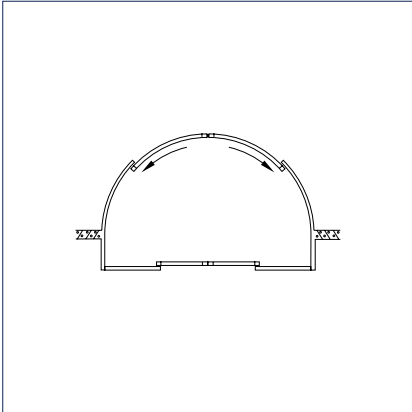
Reverse curve

Special variant



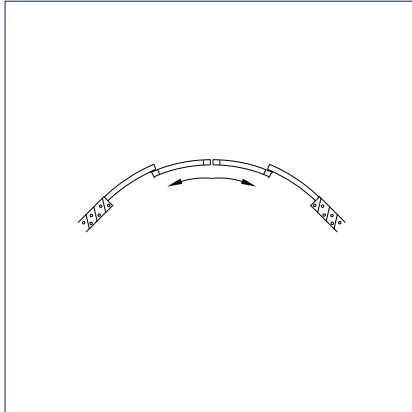
Set semi-circular

Special variant



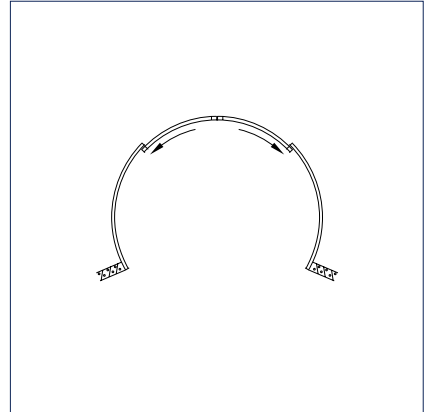
Vestibule 180° double-leaf semi-circular sliding door combined with linear sliding door

Special variant



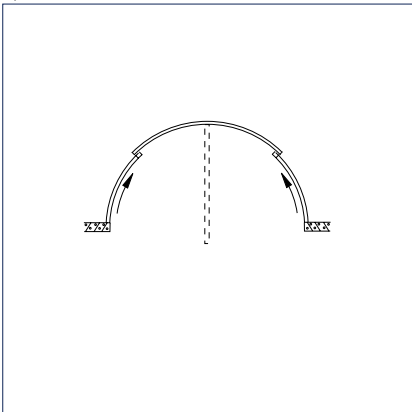
Corner door 90° maximum opening width with optimum use of space

Special variant



Corner door 270° double-leaf centrally opening or single-leaf outward opening

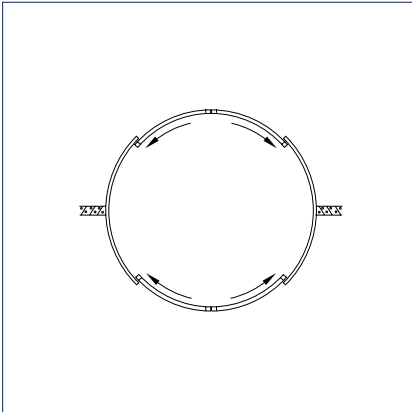
Special variant



Double entrance for separate entrance and exit

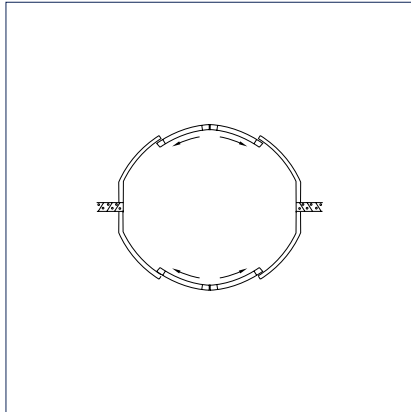
Circular sliding doors GEZE Slimdrive SCR

Basic design



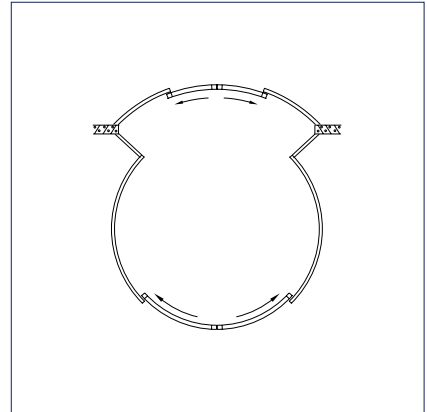
Vestibule 360° two double-leaf semi-circular sliding doors, each 180°, with separate drives

Special variant



Extended to an oval, vestibule

Special variant



Enlarged vestibule



Housing society Vieya, Dongen, Netherlands (Photo: Erwin Kamphuis)

GEZE Slimdrive SC

Drive system for automatic semi-circular sliding doors

The GEZE Slimdrive SC conceals a powerful drive system for semi-circular sliding doors in a unit only 7 cm high. The barrier-free drive blends in elegantly with post-rail-constructions and can be used in busy areas. Whether as a semi-circular sliding door with a minimum radius of 1000 mm, as a curved sliding door with large radii or in combination with a linear sliding door as a vestibule: GEZE Slimdrive SC provides a huge range of design options and meets maximum function and design requirements. Opening widths of max. 3000 mm can be achieved for double-leaf doors with the Slimdrive SC. It moves leaf weights of up to a maximum of 120 kg. In the Slimdrive version SC-FR, the semi-circular sliding door can also be used in escape and rescue routes (FR).

Special versions

Slimdrive SC GGS / SC-FR GGS - variant with automatic all-glass curved sliding doors with all-glass fitting system GGS and glass roof

Slimdrive SC RC 2 / SC-FR RC 2 - burglar-resistant variant in accordance with resistance class 2

SC



Belgian SkyShop Brussels International Airport, Brussels, Belgium (Photo: Erwin Kamphuis)

Application range

- Representative business premises
- Hotels and restaurants
- Hospitals
- Homes for the elderly and care homes
- Airports and railway stations
- Trade fairs, exhibitions and car showrooms
- Vestibule systems
- Suitable for new buildings, conversions and refurbishment thanks to the low overall height

GEZE SLIMDRIVE SC/SCR

Technical data

Product features	SC	SC-FR
For escape and rescue routes	-	•
Barrier-free	•	•
Adjustable opening speed)	•	•
Adjustable closing speed	•	•
Opening width 2-leaf	800 – 3000 mm	
Clear passage height*	3000 mm	
Canopy height (min.)	70 mm	
Leaf weight (max.) 1-leaf	100 kg	
Leaf weight (max.) 2-leaf	120 kg	
Radius (min.)	1000 mm	1100 mm
Moving leaf version	10 mm VSG, 10 mm ESG-H with GGS fitting system (GGS variant), special glass on request	
Side elements version	10 mm VSG, 22 mm panel lining, 34 mm smooth-surface panel, VSG 12 mm without frame (GGS variant), special glass on request	
Surfaces	Powder-coated according to RAL, anodised light alloy E6/EV1, colour anodised according to sample, coated with polished stainless steel, coated with grit 240 stainless steel, special coating on request	
Version of roof structure	Optical sheet metal covering, waterproof roof with waterspout, glass roof	
Illumination	with roof variant, not possible with glass roof	
Floor covering	Scraper mat, floor mat according to customer wishes	
Hot-air curtain system	possible, depends on the ceiling construction	
Off-centre façade connection	•	•
Special functions on request	•	•
Operation	Display programme switch DPS, display programme switch MPS, display programme switch TPS, display programme switch integrated in the drive, PC, control, control unit	
Approvals	DIN 18650, EN 16005	

- = YES
- = NOT AVAILABLE
- * = HIGHER ON REQUEST

Semi-circular and full-circular version											
Nominal radius (mm)	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
System angle	180°										
Passage angle	80°										
System width (mm)	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000
Clear passage width (mm)	1144	1273	1401	1530	1658	1787	1916	2044	2173	on request	on request
Curve length (mm)	3142	3456	3770	4084	4398	4712	5027	5341	5655	5969	6283

Standard dimensions

Curve length BL = max. 5500 mm

Passage width LW = 1000 mm - 2300 mm

Approximate calculation of the curve length

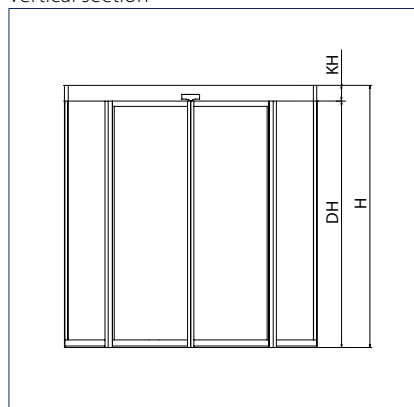
$$\textcircled{A} \quad BL = r \times \frac{y \cdot \pi}{180}$$

$$\textcircled{B} \quad BL = \sqrt{B^2 + \frac{16}{3} \times T^2}$$

A = With radius r and angle y given

B = With overall depth T and system width B given

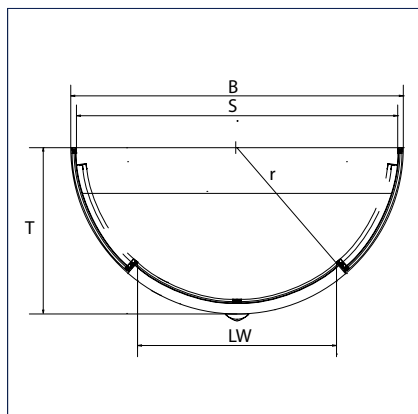
Vertical section



DH = Passage height

H = System height

KH = Canopy height

Horizontal sections

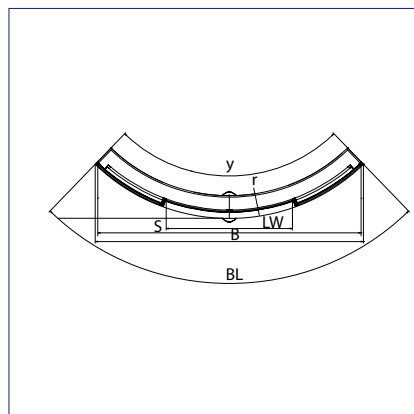
B = System width

LW = Passage width

r = Nominal radius

S = Inner width

T = Overall depth



B = System width

BL = Curve length

LW = Passage width

r = Nominal radius

S = Inner width

GEZE Slimdrive SCR

Drive system for automatic circular sliding doors

The drive series GEZE Slimdrive SCR is the 360° drive solution for circular sliding doors. The drives of the two doors form one unit but are controlled separately. This drive for circular sliding doors can be integrated almost invisibly into the façade thanks to the extremely low overall height of only 7 cm. The state-of-the-art drive „disappears“ – leaving room for transparency and aesthetics. The SL SCR is barrier-free and just perfect for use in glass façades with a slim post-rail-construction. High-quality materials and state-of-the-art control technology ensure high efficiency. Opening widths of max. 2300 mm can be achieved for double-leaf doors with the Slimdrive SCR. It moves leaf weights of up to a maximum of 120 kg. In the Slimdrive version SCR-FR, the circular sliding door can also be used in escape and rescue routes (FR).

Special versions

Slimdrive SC RC 2 / SC-FR RC 2 - burglar-resistant variant in accordance with resistance class 2

SCR



SGL Carbon, Meitingen, Germany (Photo: Dirk Wilhelmy)

Application range

- Representative business premises
- Hotels and restaurants
- Hospitals
- Homes for the elderly and care homes
- Airports and railway stations
- Trade fairs, exhibitions and car showrooms
- Vestibule systems
- Suitable for new buildings, conversions and refurbishment thanks to the low overall height

Technical data

Product features	SCR	SCR-FR
For escape and rescue routes	-	•
Barrier-free	•	•
Adjustable opening speed (ventilation)	•	•
Adjustable closing speed	•	•
Opening width 2-leaf	800 – 2300 mm	
Clear passage height*	3000 mm	
Canopy height (min.)	70 mm	
Leaf weight (max.) 1-leaf	100 kg	
Leaf weight (max.) 2-leaf	120 kg	
Radius (min.)	1000 mm	1100 mm
Radius (max.)	2000 mm	
Moving leaf version	10 mm VSG, 10 mm ESG-H with GGS fitting system (GGS variant), special glass on request	
Side elements version	10 mm VSG, 22 mm panel lining, 34 mm smooth-surface panel, VSG 12 mm without frame (GGS variant), special glass on request	
Surfaces	Powder-coated according to RAL, anodised light alloy E6/EV1, colour anodised according to sample, coated with polished stainless steel, coated with grit 240 stainless steel, special coating on request	
Version of roof structure	Optical sheet metal covering, waterproof roof with waterspout, glass roof	
Illumination	according to customer wishes, not possible with glass roof	
Floor covering	Scraper mat, floor mat according to customer wishes	
Hot-air curtain system	integrated in the suspended ceiling	
Off-centre façade connection	•	•
Special functions on request	•	•
Operation	Display programme switch DPS, display programme switch MPS, display programme switch TPS, display programme switch integrated in the drive, PC, control, control unit	
Approvals	DIN 18650, EN 16005	

- = YES
- = NOT AVAILABLE
- * = HIGHER ON REQUEST

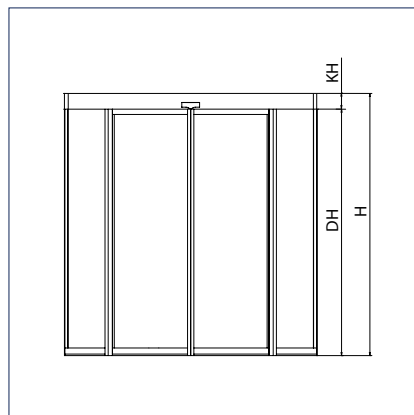
Approximate calculation of the curve length

$$\textcircled{A} \quad BL = r \times \frac{y \cdot \pi}{180}$$

$$\textcircled{B} \quad BL = \sqrt{B^2 + \frac{16}{3} \times T^2}$$

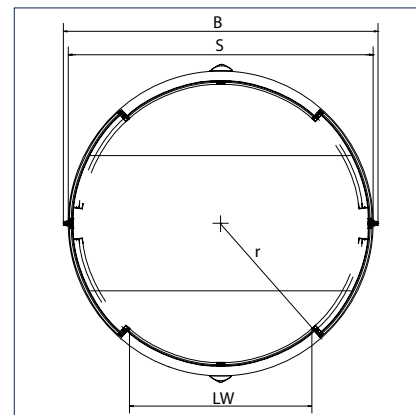
- A = With radius r and angle y given
- B = With overall depth T and system width B given
- T = Overall depth

Vertical section



- DH = Passage height
- H = System height
- KH = Canopy height

Horizontal section



- B = System width
- LW = Passage width
- r = Nominal radius
- S = Inner width

GEZE Slimdrive SC/SCR GGS

Elegance and transparency without frames

The unpretentious and functional design of this stainless steel fitting opens up a wide range of individual application possibilities. The perfect design of curved sliding doors equipped with the GGS fitting system (GEZE all-glass system) is impressive. Maximum transparency is supported by the glass roof variant. The moving leaves are attached to the roller carriage using two single point fixings each and have been designed without frame. The floor guide is also attached to the glass with single point fixings. The side elements are made of curved laminated safety glass (VSG) and equipped with very slim profiles as edge protection. The SC/SCR GGS variant also allows a circular sliding door to be made from a combination of two semi-circular sliding doors. The minimum radius is 1250 mm, the maximum clear passage is 2500 mm and the maximum leaf weight 100 kg. Deviations from these dimensions can be realised on request. The FR variant is available for use in escape and rescue routes.



Application range

- Representative business premises
- Hotels and restaurants
- Hospitals
- Homes for the elderly and care homes
- Airports and railway stations
- Trade fairs, exhibitions and car showrooms
- Vestibule systems
- Suitable for new buildings, conversions and refurbishment thanks to the low overall height

Technical data

Product features				
	SC GGS	SC-FR GGS	SCR GGS	SCR-FR GGS
For escape and rescue routes	-	●	-	●
Barrier-free	●	●	●	●
Adjustable opening speed (ventilation)	●	●	●	●
Adjustable closing speed	●	●	●	●
Opening width 2-leaf	800 – 3000 mm		800 – 2300 mm	
Clear passage height*	2500 mm			
Canopy height (min.)	70 mm			
Leaf weight (max.) 1-leaf	100 kg			
Leaf weight (max.) 2-leaf	120 kg			
Radius (min.)	1000 mm	1100 mm	1250 mm	
Radius (max.)			2000 mm	
Moving leaf version	10 mm ESG-H with GGS fitting system (GGS variant), special glass on request			
Side elements version	VSG 10 mm without frame (GGS variant), special glass on request			
Surfaces	Powder-coated according to RAL, anodised light alloy E6/EV1, colour anodised according to sample, coated with polished stainless steel, coated with grit 240 stainless steel, special coating on request			
Version of roof structure	Optical sheet metal covering, waterproof roof with waterspout, glass roof			
Illumination	with roof variant, not possible with glass roof			
Floor covering	Scraper mat			
Hot-air curtain system	possible, depends on the ceiling construction			
Special functions on request	●	●	●	●
Operation	Display programme switch DPS, display programme switch MPS, display programme switch TPS, display programme switch integrated in the drive, PC, control, control unit			
Approvals	DIN 18650, EN 16005			

• = YES

- = NOT AVAILABLE

* = HIGHER ON REQUEST

GEZE Slimdrive SC/SC-FR RC 2

The perfect combination of design and certified safety

The burglar-resistant semi-circular and circular sliding door system GEZE Slimdrive SC RC 2 and the escape and rescue route variant SC-FR RC 2 makes burglars' lives difficult. It was specially developed for building entrances with increased safety requirements. Both variants have been tested in accordance with component resistance class 2 (RC 2) in line with DIN EN 1627 to 1630. This means that they can withstand attempts to be levered open using tools of the RC 2 class such as screwdrivers, pliers and wedges, and can withstand static and dynamic loads. Opportunists are stopped effectively and security companies gain reaction time.

SC/SC-FR RC 2



SGL, Carbon, Meitingen, Germany (Photo: Dirk Wilhelmy)

Application range

- Building entrances with enhanced safety requirements
- Banks
- Pharmacies
- Jewellers
- Petrol stations
- IT rooms

Technical data

Product features	SC/SC-FR RC 2
For escape and rescue routes	•
Barrier-free	•
Adjustable opening speed (ventilation)	•
Adjustable closing speed	•
Opening width 2-leaf	900 – 3000 mm
Clear passage height	3000 mm
Canopy height (min.)	70 mm
Leaf weight (max.) 2-leaf	120 kg
Radius (min.)	1350 mm
Moving leaf version	10 mm VSG, special glass on request
Side elements version	10 mm VSG, special glass on request
Surfaces	Powder-coated according to RAL, anodised light alloy E6/EV1, colour anodised according to sample, coated with polished stainless steel, coated with grit 240 stainless steel, special coating on request
Version of roof structure	waterproof roof with waterspout
Illumination	with roof variant, not possible with glass roof
Floor covering	Scraper mat, Floor mat according to customer wishes
Hot-air curtain system	possible, depends on the ceiling construction
Special functions on request	•
Operation	Display programme switch DPS, display programme switch MPS, display programme switch TPS, display programme switch integrated in the drive, PC, control, control unit
Approvals	DIN 18650, EN 16005

- = YES
- = NOT AVAILABLE

Note

The burglar-resistant function RC 2 is only enabled in „NIGHT“ mode. In „NIGHT“ mode the door does not fulfil any emergency exit requirements. It is necessary to ensure that there is nobody in the building or that sufficient other emergency exits are available.

Operating automatic sliding doors

Programme switch for selecting the mode of operation of automatic sliding doors

GEZE offers programme switches for a wide range of individual requirements. The switches are suitable for universal use – for surface-mounted or flush-mounted installation. The following switches are available:

Display programme switch (DPS)

Key programme switch (TPS)

The following operating modes can be set:

"Permanently open"

The door moves to the OPEN position and remains open. Movement detector or opening button are deactivated.

"Night"

The movement detectors are switched inactive, the door closes. The door can only be opened with contact sensor authorised (KB) or manual release. Option: The door leaves are locked electrically to prevent forced opening.

"Shop closing" (One-direction operation from the inside to the outside)

The door only opens and closes when someone goes out from the inside.

The movement detector outside is switched inactive, the one inside is switched active.

"Automatic"

The door opens as soon as it is actuated via the movement detector or keys, and closes after a certain individually adjustable time. Safety sensors protect the leaves' travel path. If there is someone in the door opening, the door will not close.

"OFF" (depending on model)

Drive motor, locking, actuation and safety sensors are switched off, the door leaves can be moved manually.

Key switch

The programme switch can be blocked using a key switch. A key switch is required for the F/R variants.

Securing the programme switches

The mechanical programme switch (MPS) is also available in a lockable version. The display programme switch (DPS) and key programme switch (TPS) can be combined with a key switch. Alternatively, these programme switches can be secured using a code.



Display programme switch (DPS)

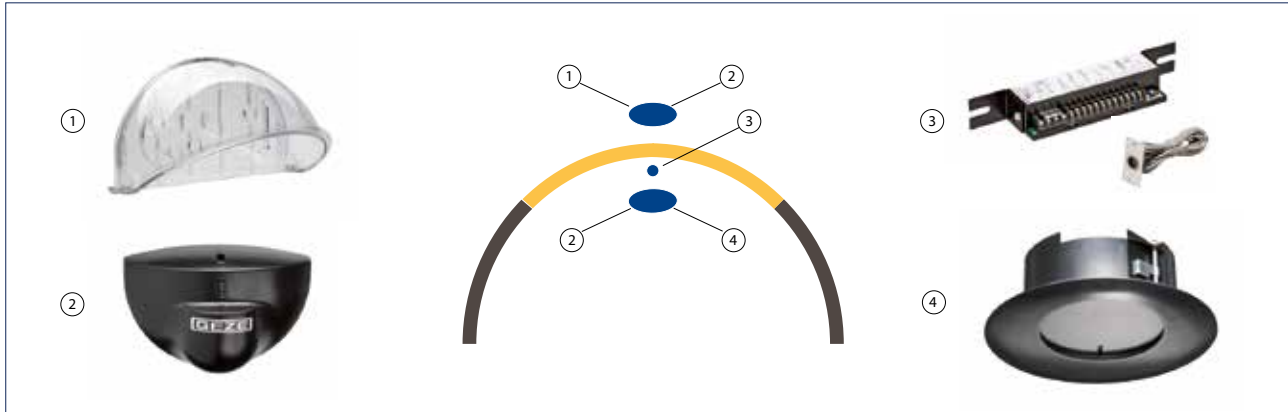


Keypad programme switch (TPS)

Securing automatic sliding doors

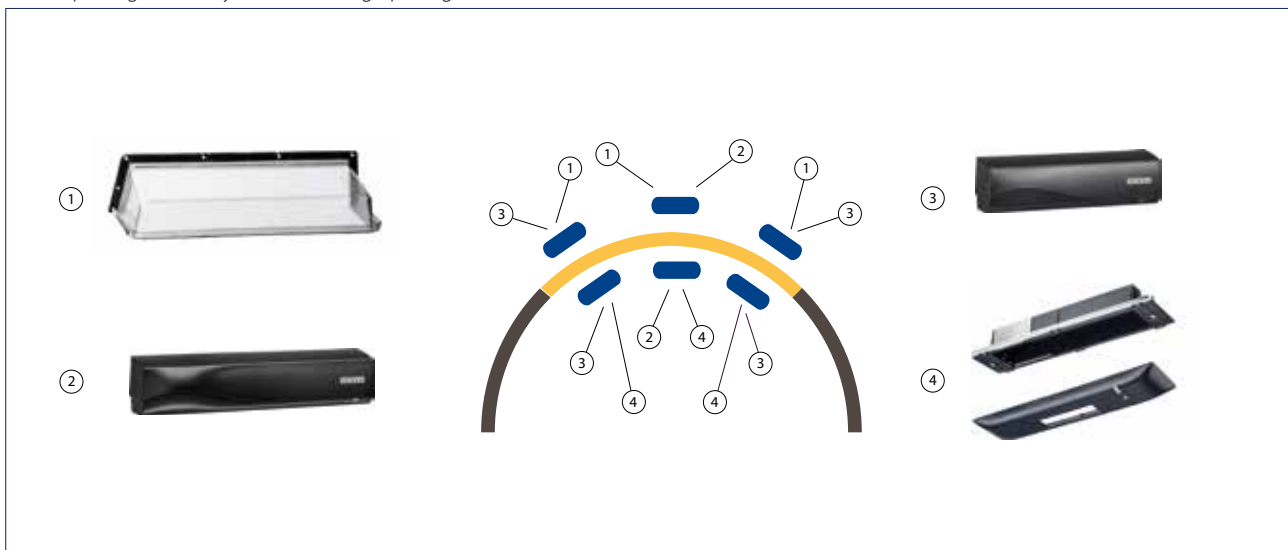
Securing of the passage area for semi-circular and circular sliding doors in accordance with DIN 18650 / EN 16005

Sensor package for SC systems with small passage clearance



- 1 = Optional: GC 304 rain cover to protect the radar detector outdoors
- 2 = Radar detectors GC 304 R and GC 304 SF (in direction of emergency exit) for triggering the automatic door
- 3 = HZC ultrasound for protecting the opening width
- 4 = GC 304 ceiling installation kit for integrating the radar detector in the ceiling

Sensor package for SC systems with large passage clearance



- 1 = Optional: GC 363 rain cover to protect the combined detector / light curtain outdoors
- 2 = Combined detectors GC 363 R and GC 363 SF (in direction of emergency exit) for triggering and securing the automatic door
- 3 = Light curtain GC 339 for protecting the opening width
- 4 = Optional: GC 363 ceiling installation kit for integrating the combined detector/light curtain in the ceiling

Automatic locking

Locking by toothed belt

This electromagnetic bi-stable locking system ensures more safety, because it stays locked even without electric current. Manual emergency unlocking is possible at any time. Typical for this type of locking is permanent monitoring by the control unit. Up to two contacts for external applications (e.g. alarm systems) can be integrated as an option. Thanks to the free choice of positioning in the drive, the toothed belt unit is not only easy to install, it also makes special locking functions possible, e.g. locked pharmacy opening of the sliding doors.

Rod locking

Rod locking increases safety and burglary protection. The multi-point lock – both upwards and in the ground – provides solid resistance against attempts to be levered open. The locking rod is integrated invisibly in the fine-framed ISO profile system. The system can be unlocked both electrically or mechanically. Rod locking can be used in the Slimdrive SL and Slimdrive SLT drives.

Manual locking

Floor lock

The GEZE floor lock is used to lock door leaves with the fine-framed ISO profile system easily at floor level. Standard profile cylinders can be used for the floor locks. This means the solution is suitable for optimum integration in locking systems. Operation is manual, with the key, either only from the inside or from the inside and outside.



Floor lock

Service Tools

GEZEconnects

Bluetooth is an internationally standardised short-distance radio signal with a range of up to ten metres. The software GEZEconnects makes wireless connection via Bluetooth possible between a computer and the automatic door systems from GEZE. All door system settings can be carried out via an intuitive graphic interface, stored, sent by e-mail and transferred to a word processing programme as a protocol. Diagnosis functions show the most important function parameters of the door system in real time, so that problems are recognised at a glance and can be eliminated. All the pre-settings can be taken over very easily for further door systems. The convenient documentation of initial operation, servicing and diagnosis protocols as well as all statistical data can be downloaded at any time. Password protection to freeze operating parameters and servicing data guarantees there will be no unauthorised modifications made.

Service terminal ST 220

Mobile, handy and straightforward – that is parameter setting for the automatic GEZE door systems using the service terminal ST 220. Communication and data exchange between the service terminal and the door drive is via an integrated RS485 interface. The large illuminated interface is easy to operate thanks to the plain text display. The service terminal is equipped with a readout function for servicing and diagnosis work. Power is supplied via the door system. Password protection to freeze operating parameters and servicing data guarantees there will be no unauthorised modifications made.



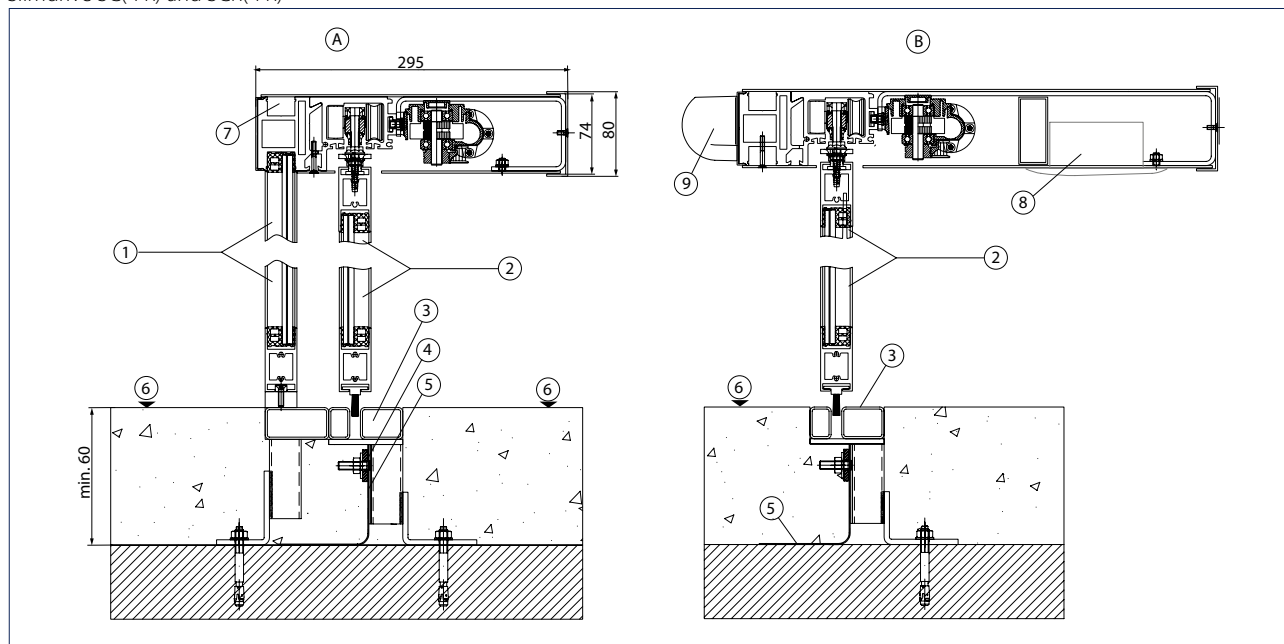
GEZEconnects



Service terminal ST 220

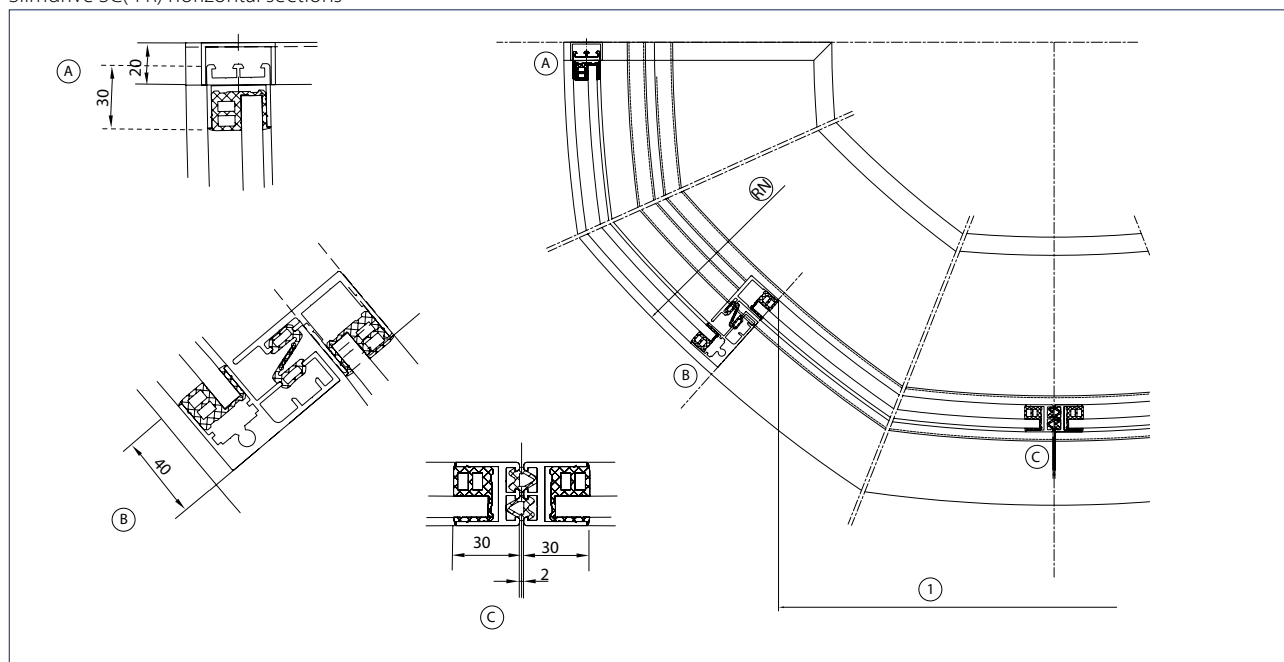
Installation drawings SC/SCR

Slimdrive SC(-FR) and SCR(-FR)



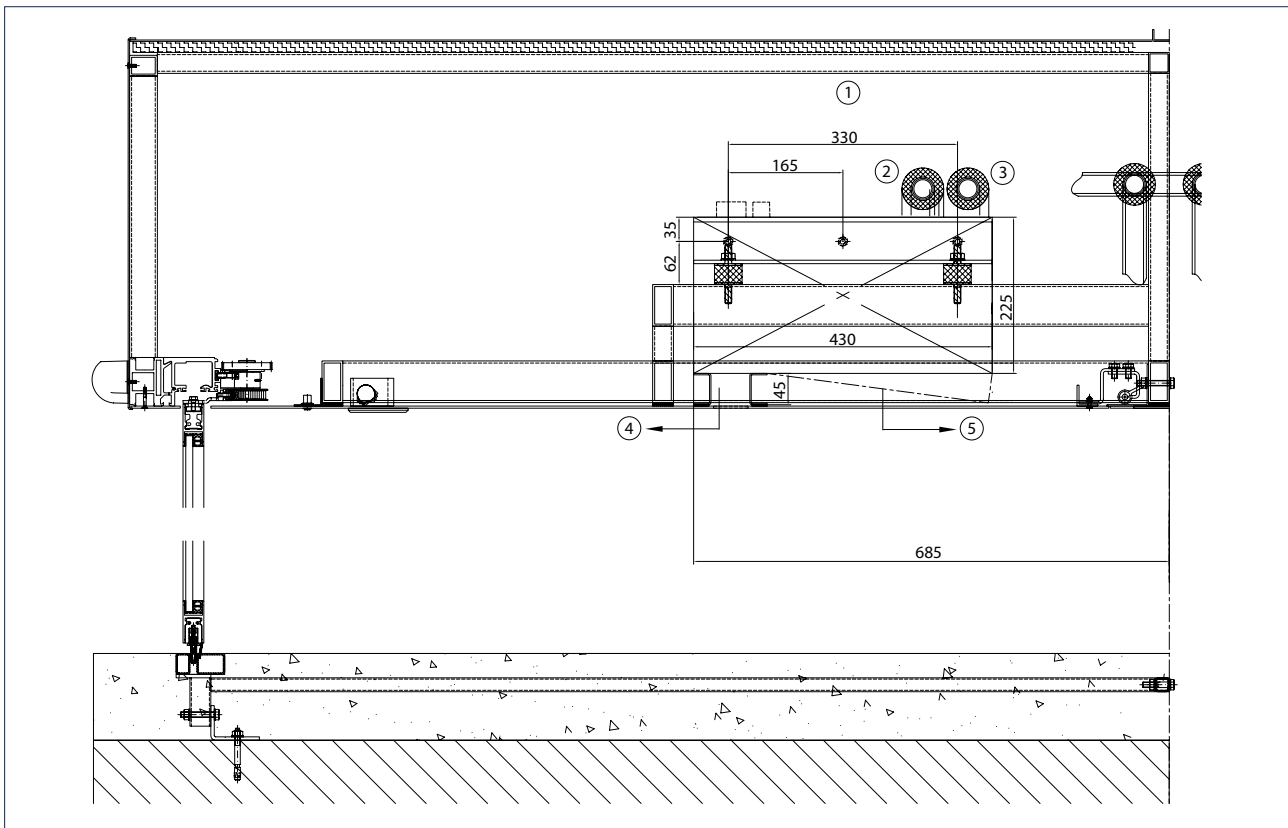
- A = SC(-FR) side element area
 B = SCR(-FR) passage area
 1 = Side element with VSG
 2 = Moving leaf with VSG
 3 = Stainless steel floor ring
 4 = Optional: Sheet metal base 180° loose/fixed flange all the way round
 5 = Sealing on site
 6 = Upper edge of finished floor
 7 = Drive complete (covering / drive components)
 8 = Ceiling installation kit for radar movement detector
 9 = Radar movement detector

Slimdrive SC(-FR) horizontal sections



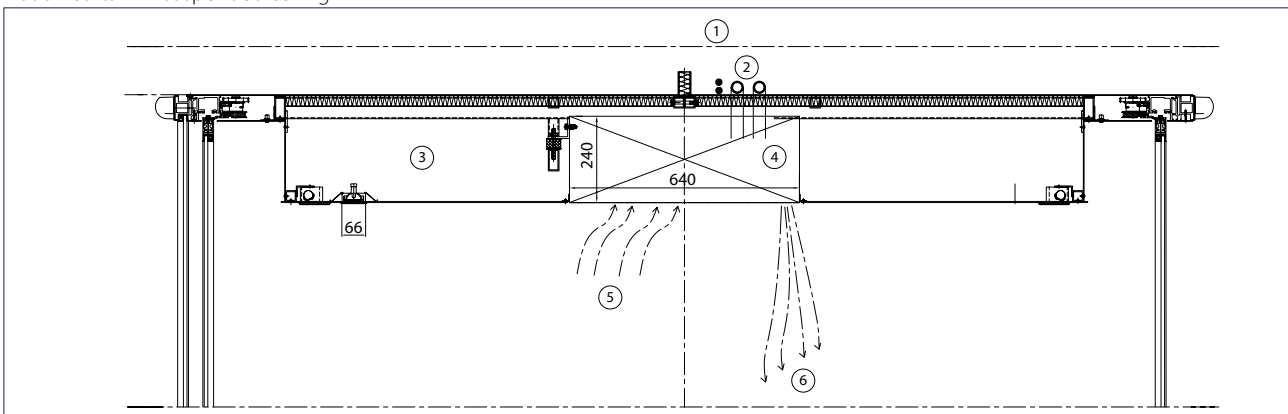
- 1 = Clear passage width
 RN = Nominal radius

Hot-air curtain in ceiling canopy



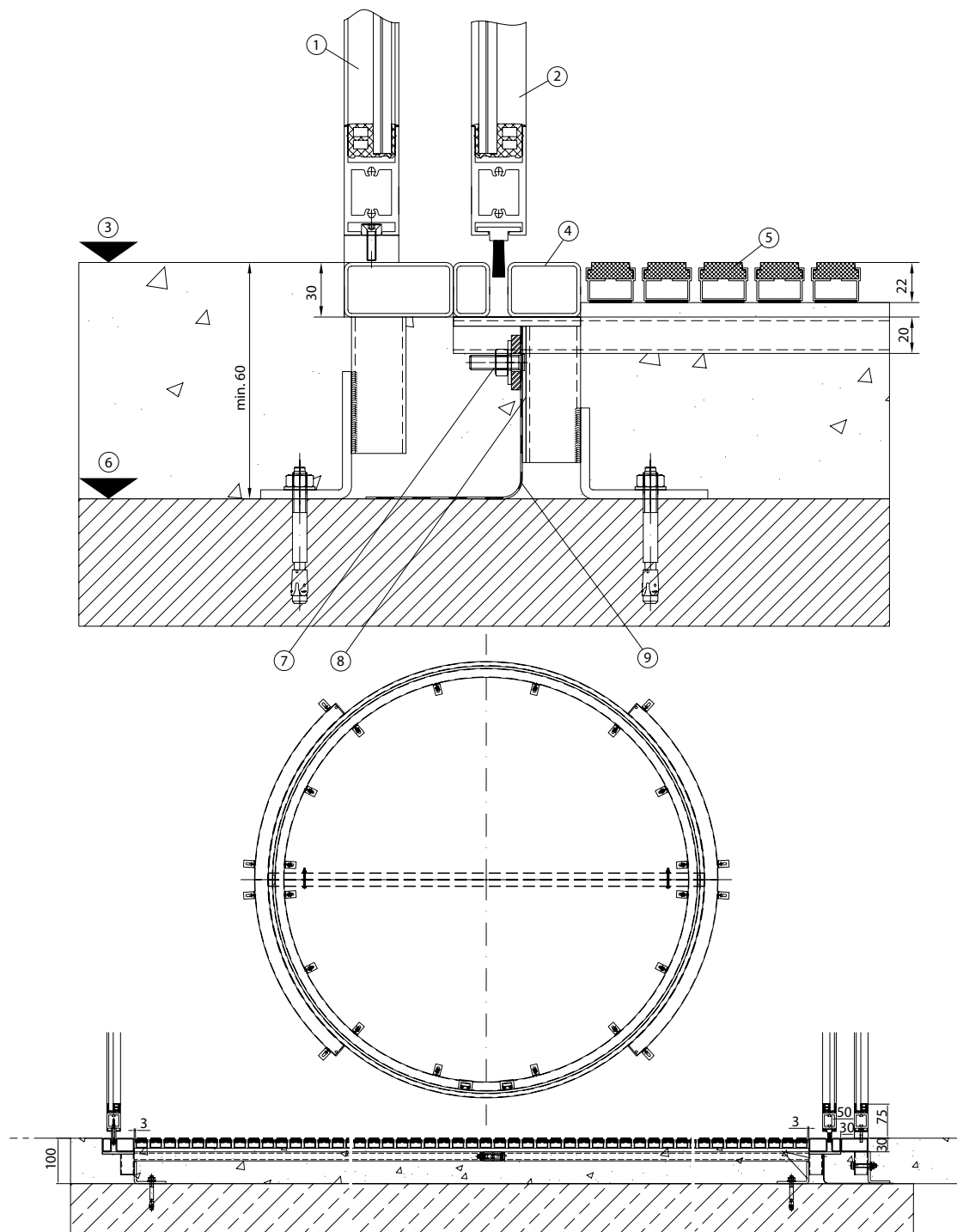
- 1 = Air intake lines must never be blocked
- 2 = Supply flow
- 3 = Return flow
- 4 = Exhaust outlet
- 5 = Servicing flap

Hot-air curtain in suspended ceiling



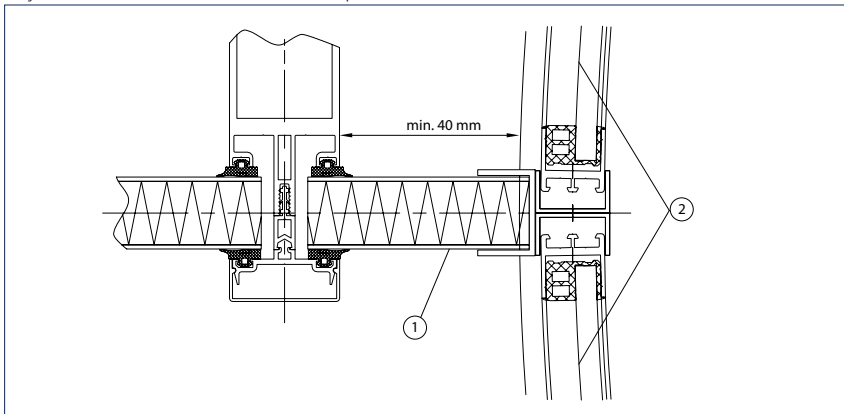
- 1 = Supply lines for hot-air curtains on site
- 2 = Opening for hot-air curtain line routing
- 3 = Suspended ceiling with preparatory work for hot-air curtain system
- 4 = Hot-air curtain system
- 5 = Air intake
- 6 = Air blow-out

Floor ring



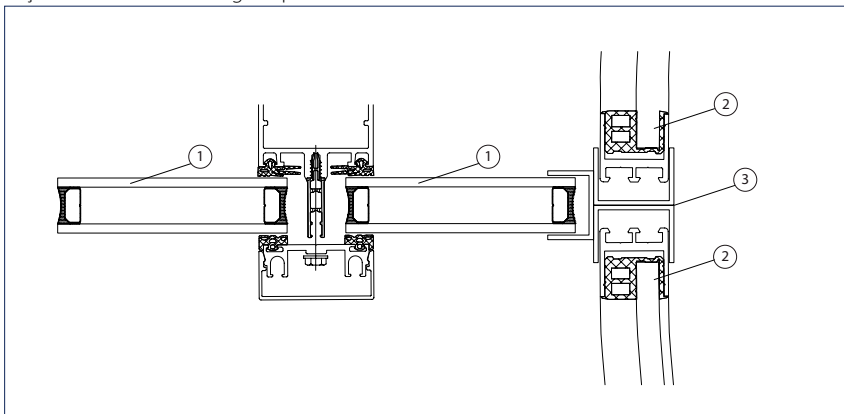
- 1 = Side element with VSG
- 2 = Moving leaf with VSG
- 3 = Finished flooring
- 4 = Stainless steel - floor ring
- 5 = Optional: Floor covering / clean scraping mat
- 6 = Unfinished floor
- 7 = Optional: Loose/fixed flange
- 8 = Optional: Sheet metal base 180° all the way round
- 9 = Sealing film on site

Façade connection with sheet metal panel



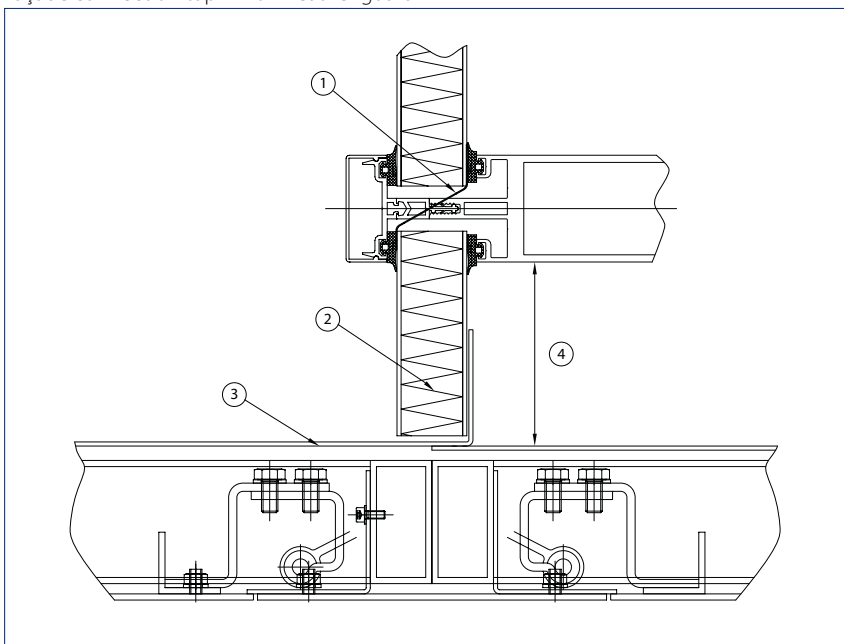
- 1 = Optional: Façade connection (panel)
- 2 = Side element with VSG

Façade connection with glass pane



- 1 = Glass pane
- 2 = Side element
- 3 = Spindle

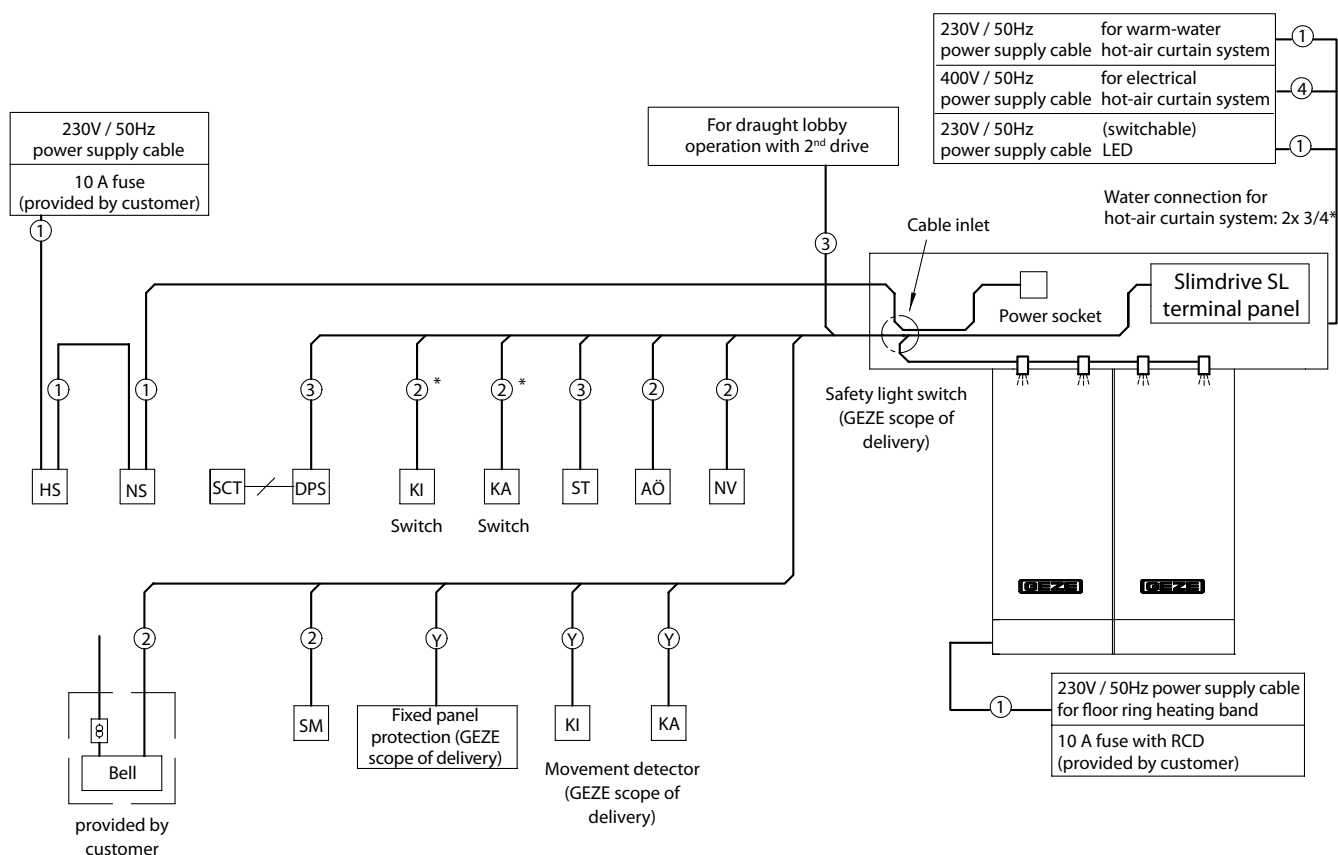
Façade connection top - with weather guard



- 1 = Sealing on site
- 2 = Optional: Façade connection (panel)
- 3 = Sheet aluminium weather guard, chamfered
- 4 = Minimum distance: 40 mm, due to mounting

Cable plan Slimdrive SL-SC

For detailed information concerning connection of the actuation devices and sensors refer to connection diagram 70484-9-0954.



Wire cross-sections

- ① NYM-J 3 x 1.5 mm²
- ② I-Y(ST)Y 2 x 0.6 mm
- ③ I-Y(ST)Y 2 x 2 x 0.6 mm
- ④ NYM-J 5 x 1.5 mm²
- Y 5 x 0.25 mm² (GEZE scope of delivery for GEZE products)
- * For pressure switches

HS	Main switch
NS	Emergency off switch ³⁾
DPS	Display programme switch
SCT	Key-operated programme switch
KI	Internal actuation device ¹⁾
KA	External actuation device ²⁾
ST	Key push button
AÖ	Pharmacy opening
NV	Emergency lock
SM	Fault detector Fault lamp or fault horn

Safety notes

- Cable routing as per VDE 0100
- Cable routing, connection work and commissioning may only be carried out by authorised experts.
- GEZE does not assume any guarantee and service prestations in combination with third-party products.

Notes

- 1) One or more actuation devices (KI) can be installed. When installing an integrated movement detector, the cables are laid in the drive.
- 2) One or more external actuation devices (KA) can be installed.
- 3) Attach emergency off switches in the right-hand escape direction

References



Cafe Luitpold, Munich, Germany (Photo: Robert Sprang)



Crown Plaza hotel, Luik, Netherlands (Photo: Erwin Kamphuis)

Referenzen



Dorniermuseum, Friedrichshafen, Germany (Photo: Dirk Wilhelmy)



Lexus, Stuttgart, Germany (Photo: Dirk Wilhelmy)

Referenzen



Textil- und Industriemuseum, Augsburg, Germany (Photo: Dirk Wilhelmy)



Casino, Monte-Carlo, Monaco (Photo: Jean-Louis Martinetti)

POTENTIAL APPLICATIONS OF GEZE PRODUCTS

You will find more product information in the relevant brochures, see ID numbers.

Door technology

01	Overhead door closers ID 091593, ID 091594
02	Hold-open systems ID 091593, ID 091594
03	Integrated door closers ID 091609
04	Floor springs ID 091607
05	Sliding door gear systems and linear guides ID 123605, ID 008770, ID 000586

Automatic door systems

06	Swing doors ID 144785
07	Sliding, telescopic and folding doors ID 143639
08	Circular and semi-circular sliding doors ID 135772
09	Revolving doors ID 132050
10	Actuation devices and sensors ID 142655

Smoke and heat extraction and window technology

11	Fanlight opening systems ID 127787
12	Electric opening and locking systems ID 154851
13	Electrical spindle and linear drives ID 154851
14	Electric chain drives ID 154851
15	Smoke and heat extraction systems ID 154851

Safety technology

16	Emergency exit systems ID 132408
17	Access control systems ID 132158
18	Panic locks ID 132848
19	Electric strikes ID 148666
20	Building management system ID 132408

Glass systems

21	Manual sliding wall systems (MSW) ID 104377
22	Integrated all-glass systems (IGG) ID 104366
23	GEZE Patch fittings mono glass systems ID 122521



POTENTIAL APPLICATIONS OF GEZE PRODUCTS



Door technology

The functionality, superior performance and reliability of GEZE door closers are impressive. A common design across the range, the ability to use them on all common door leaf widths and weights, and the fact that they can be individually adjusted makes their selection simple. They are continually being improved and enhanced with up-to-date features. For example, the requirements of fire protection and accessibility are fulfilled with a door closer system.

Automatic door systems

GEZE automatic door systems open up a huge variety of options in door design. The latest, innovative high-performance drive technology, safety, ease of accessibility and first class universal drive design set them apart. GEZE offers complete solutions for individual requirements. A dedicated division is responsible for the development and construction of individual special designs.

Smoke and heat extraction and window technology

GEZE smoke and heat extraction systems and ventilation technology provide complete systems solutions combining the many requirements of different types of windows. We supply a full range from energy efficient drive systems to natural ventilation and complete solutions for supplying and extracting air, also as certified SHEVs.

Safety technology

GEZE safety technology sets the standards where preventative fire protection, access control and anti-theft security in emergency exits are concerned. For each of these objectives GEZE offers tailored solutions, which combine the individual safety requirements in one intelligent system and close doors and windows in case of danger in a coordinated manner.

Building systems

In GEZE's Building Management System GEZE door, window and safety products can be integrated in to the security and control systems of the building. A central control and visualisation system monitors various automation components in the building and offers security through many different networking capabilities.

Glass systems

GEZE glass systems stand for open and transparent interior design. They can either blend discreetly into the architecture of the building or stand out as an accentuated feature. GEZE offers a wide variety of technologies for functional, reliable and aesthetic sliding wall or sliding door systems providing security with lots of design scope.

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