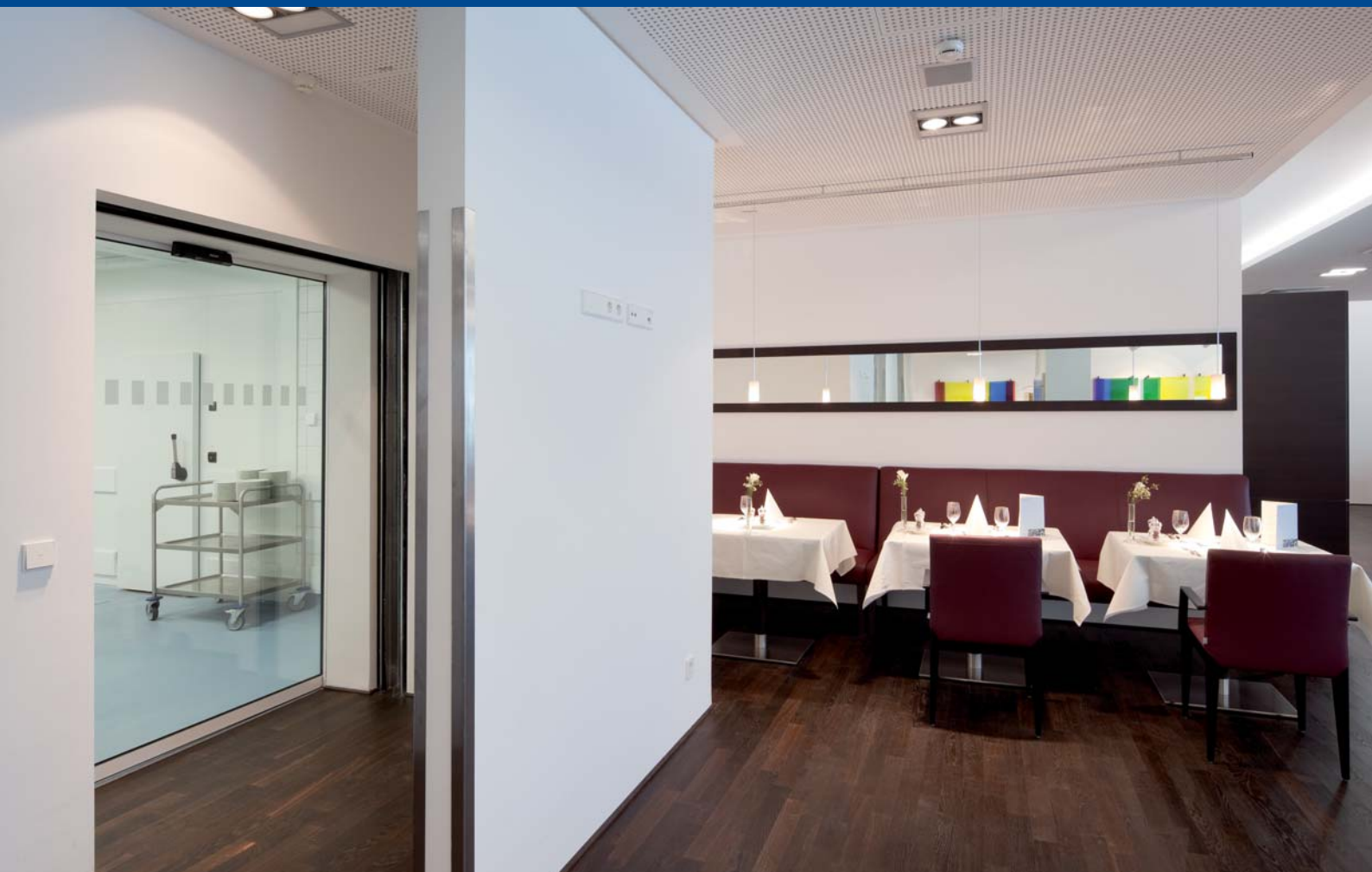




GEZE ECdrive LINEAR SLIDING DOOR SYSTEMS
SIMPLY RELIABLE AND ECONOMICAL



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GEZE ECdrive AND VARIANTS



Carré an der Frauenkirche, Dresden, Germany

PRODUCT ADVANTAGES



DIN 18650



GEZE ECdrive – Simply reliable and economical

Automatic sliding door systems are often the focus of above-average demands concerning functionality and economic efficiency. The GEZE ECdrive linear sliding door drive offers many convincing advantages at a superior price-performance ratio.

The ECdrive is able to move doors up to 120 kg leaf weight and the system is uncompromisingly reliable in all details. High-quality material and the latest actuation technology guarantee a premium performance. Owing to the self-cleaning roller carriage the system operates extremely quiet and the maintenance requirements are substantially reduced. Due to the precious GEZE cover design standard there are no compromises to an attractive optical appearance.

Advanced product benefits

- Simple assembly and large leaf adjustment possibilities
- User and maintenance-friendly by safe diagnosis and due to the new developed mechanical features
- Fulfills highest safety requirements owing to self-learning controller
- Because the closing forces are always supervised the operation reliability is given at any time
- High comfort by parameter adjustment and status indication at the display programme switch

The ECdrive sliding door systems are universally applicable. They are suitable on single and double-leaf doors made of toughened safety glass, insulation glass as well as framed and timber doors. They can be used at interior and exterior doors as well as for escape and rescue routes as ECdrive-FR version.

DIN 18650 – Regulation fulfilled

In order to guarantee runners as well as users of automatic sliding doors high safety an uniform standard was created in accordance with DIN 18650. The products of GEZE ECdrive line of course fulfill this regulation.

GEZE offers a fast, skilled and comprehensive service.

GEZE ECdrive AND VARIANTS

EXAMPLES OF USE



Innumerable motion cycles with continuously high convenience and security: The quiet GEZE ECdrive drives are economical and most reliable in their functionality. They are used as automatic linear sliding doors in dry areas for the passenger traffic, e.g.

- in administration buildings and public buildings
- in commercial buildings and car dealerships
- in shopping centres and in the shop fitting
- in airports and railway stations
- in nursing and healthcare areas, e. g. in hospitals and pharmacies
- in hotels and restaurants
- in banks and educational institutions, e. g. in schools and universities
- in industrial companies
- in draught lobbies

SPECIAL FUNCTIONS



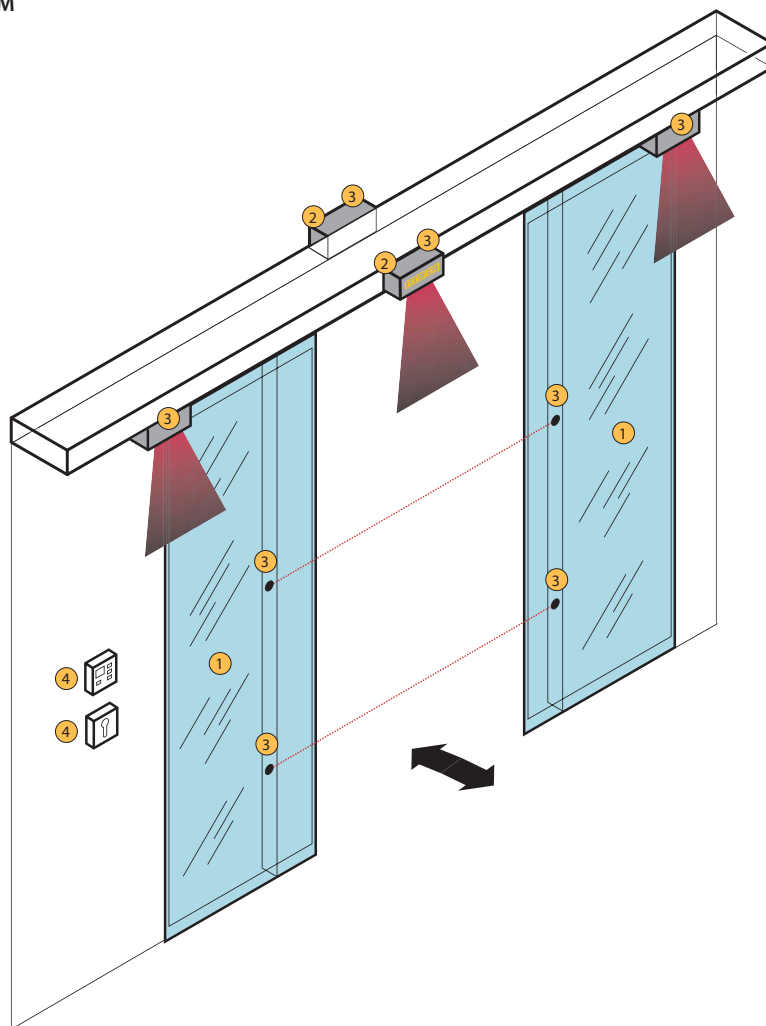
In order to offer a solution for all different requirements, the GEZE ECdrive is available in a multiplicity of variants:

- **GEZE ECdrive FR**
The linear sliding door system for the use in escape and rescue routes, fail-safe with redundant drive function and low-wear two-motor technology
- **GEZE ECdrive FR-RWS**
Redundant linear sliding door system for the use in escape and rescue routes, constantly duplicate processing system which immediately goes into a safe condition as soon as an error is registered somewhere (approved by TÜV)
- **GEZE ECdrive FR-LL**
Redundant linear sliding door system for the use in escape and rescue routes, highest protection against unauthorised opening from outside in the operation mode shop closing time (one way)
- **GEZE ECdrive FR-DUO**
Redundant linear sliding door system for the use in escape and rescue routes, with several escape direction possibilities, with escape route function in both directions of traffic

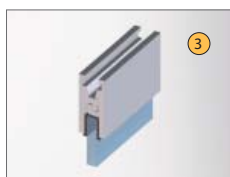
GEZE ECdrive AND VARIANTS

SCOPES FOR DESIGN OF THE SLIDING DOOR SYSTEM

- ① Sliding door hardware
- ② Actuation
- ③ Safeguarding
- ④ Operation



FITTING VARIANTS



Fitting variants ECdrive

	EC	EC-FR
① Door leaf with fine-framed insulating (ISO) glass Optically responding leaves with a very fine aluminium framework. They combine the advantages of the framework (e.g. seals) with an inconspicuous design.	●	●
② Door leaf with fine-framed MONO glass Same framework as with the ISO variant, but with only one glass pane made of 10 mm toughened safety glass (ESG) or laminated safety glass (VSG)	●	●
③ Door leaf with fine-framed toughened safety glass (ESG) clamping profile Profile system for the mounting of 10 mm or 12 mm toughened safety glass (ESG). The glass pane is gotten jammed in the upper range. At the sides and at the ground additional aluminum profiles are used for seals and ground guidance.	●	●
④ Framed door leaf The drive can be combined with leaves from all kinds of – also thermally separated – frame profile systems.	●	●
⑤ Timber door leaf The drive can be combined with door leaves provided by customer from most most various materials, e. g. timber	●	●

CALCULATIONS

ECdrive

Calculating the length of drive AL^{*)}

	ECdrive	ECdrive-FR ^{**)}
Single-leaf version	opening width $\ddot{O}W = 700-3000$ mm $AL = 2 \times \ddot{O}W + 60$ mm	opening width $\ddot{O}W = 900-3000$ mm $AL = 2 \times \ddot{O}W + 60$ mm
Double-leaf version	opening width $\ddot{O}W = 900-3000$ mm $AL = 2 \times \ddot{O}W + 100$ mm	opening width $\ddot{O}W = 900-3000$ mm $AL = 2 \times \ddot{O}W + 100$ mm

^{*)} Min. overall length with insulating (ISO) glass profile system

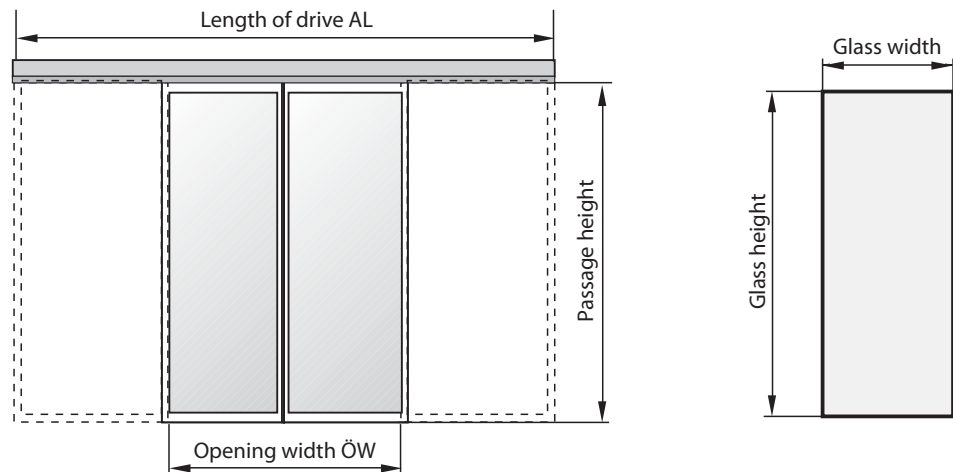
^{**)} Request drawing No. 70504-0-001 with the versions FR-RWS/-LL

Hinweise:

- Opening widths of sliding doors on escape routes < 1000 mm are only admissible in special cases.
- The minimum opening widths have to comply with the requirements of the building regulations.

Calculating the glass dimensions

		ISO-Glas	ESG
Leaf width	single-leaf	leaf width = $\ddot{O}W + 40$ mm	leaf width = $\ddot{O}W + 35$ mm
	double-leaf	leaf width = $\ddot{O}W/2 + 40$ mm	leaf width = $\ddot{O}W/2 + 35$ mm
Leaf height	with cover 150 mm	leaf height = passage height + 55 mm	
	with cover 120 mm	leaf height = passage height + 25 mm	
Glass dimensions	glass width	leaf width - 40 mm	leaf width - 26 mm
	glass height	leaf height - 90 mm	leaf height - 85 mm
	glas thickness	22 mm	10 mm, 12 mm



GEZE ECdrive AND VARIANTS

Activation and safeguarding



Combination devices

Radar motion detector with light curtain for activation and safeguarding

of automatic sliding doors

in escape and rescue routes

GEZE GC 362 R

GEZE GC 362 SF

GEZE Jupiter R

GEZE Jupiter SV



Radar motion detectors

for activation

of automatic sliding doors

in escape and rescue routes

GEZE GC 302 R

GEZE GC 302 SV



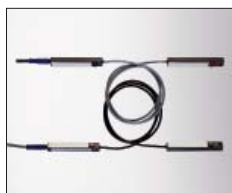
Infrared light curtains

for safeguarding of primary and secondary closing edges

of automatic sliding doors

GEZE GC 333

GEZE Presence S



Infrared light curtains

for safeguarding of primary closing edges

of automatic sliding doors

GEZE GZ 472 V (two channels)

GEZE GZ 470 V (one channel)



Protective leaf

for safeguarding of the secondary closing edges of automatic sliding doors in escape and rescue routes, if a safeguarding with light curtains is not possible, to ensure opening of the doors in all cases



Safety leaf

for safeguarding of the cavities behind automatic sliding doors if the door system is mounted at post-rail-constructions

Wireless control with system – reliable, convenient and secure at the touch of a button

GEZE RADIO PROGRAMME



Radio controlled operators for the various applications in our daily life make bring added convenience. Senior citizens, the disabled or physically weaker people can be afforded more quality of life, and they help make things easy for care staff. They are increasingly becoming standard fittings for barrier-free and age-suitable living.

With a new and innovative radio solution, GEZE has also adapted their range of control elements. The wireless control of doors and windows using the GEZE radio programme makes connection to a power supply superfluous. Thanks to the tiny dimensions of the radio modules, these can easily be integrated in a drive or an in-wall casing and can also be clipped directly into the elbow switch and mounted wirelessly on glass.

Examples of types of application

- Retro-fitting without needing to lay cables and using existing switches/buttons
- Mounting without connection to power, for example, on glass
- Individual or group control of doors and windows
- Combined control of doors and windows using a remote



Hygienically one step ahead – GEZE proximity switch AIR 12 Cleanscan

AIR 12 CLEANSKAN



Opening doors with a wave: The AIR 12 Cleanscan can be used to control interior doors with no requirement for haptic perception cleanly and conveniently. Thus, active infrared sensors ensure, for example, the bacteria-free access to the bathrooms as well as for germ-free conditions in hotel kitchens, swimming baths and doctor's surgeries.

The pulse generator is installed at hand height and is able to precisely recognise people and objects, regardless of the direction in which they are moving, both very close i.e. at a distance of just five centimetres or even as far as 0.6 metres. The differing detection distances can be adapted optimally to the actual ambient circumstances and the requirements of the user groups. The no-contact sensor system offers the highest possible level of operating convenience, simply moving towards the door is sufficient to activate the automated opening function. It also brings about the benefit of absolute hygiene.

- Simple and time-saving assembly; suitable in flush-mounted box owing to the compact dimensions of 86 x 86 x 12 mm (width x height x depth) and the optimal system structure
- Easy kind of connection by means of screw terminal
- Operating voltage 12-30 V DC/12-24 V AC
- Enclosure rating IP 50/65 (without/with seal) also for cleanrooms with highest hygiene requirements
- Operating temperature from -20° up to +60° C
- Humidity 0-90% relative, non-condensing
- Approvals: CE according to acceptance standard EMV 89/336 EWG

GEZE ECdrive AND VARIANTS

Program selector for selecting the operating status of automatic sliding doors



The following modes can be set using the program selector:

Permanent hold-open mode

The door moves to the OPEN position and stays open. Motion detectors and opening sensors are deactivated.



Night mode

The motion detectors are set to inactive and the door closes.

Option: the door leaves are electrically locked to prevent them being forced open.

Shop closing time mode (one-way)

The door opens and only closes when a person goes out.

The outside motion detector is inactive, the inside detector is switched to active.

Automatic mode

The door opens as soon as the motion detector or sensor is triggered and closes again after a variable time. Safety sensors protect the door leaf travel path. If there is someone in the opening, the door will not close.



Reduced opening width mode

Activates or deactivates the settings made in Learn mode.

OFF mode (with TPS and MPS only)

The drive and sensors are switched off, but the door leaves can be moved manually.



Key-operated pushbutton

Program selector can be locked with a key-operated pushbutton (required on the FR variants)



Display programming switch

Electronic user input using push buttons	Can be locked in emergency exits and escape routes
GEZE DPS	GEZE DPS-SCT



Programming keypad

Electronic user input using push buttons	Can be locked in emergency exits and escape routes
GEZE TPS	GEZE TPS-SCT

Mechanical program selector

Mechanical user input via rotary selector	Key-operated in emergency exits and escape routes
GEZE MPS	GEZE MPS-ST

Mobile, effortless commissioning and monitoring

SERVICE TERMINAL ST 220



Mobile, easily portable and uncomplicated. Programming the GEZE Slimdrive SL NT automatic sliding door system is simple with the ST 220 service terminal. The service terminal and sliding door terminal communicate and exchange data via an integral RS485 interface.

- Small size makes it easily portable: 80 x 125 x 37 mm (width x height x depth)
- Large, illuminated display with clear text display
- Read-out function for maintenance and diagnostic information
- IP 40 enclosure
- Powered via the door system
- Compatible with all drive and software versions from DCU software version 3.0 onwards.
- Password-protected to protect operating parameters and maintenance data against unauthorised changes.

New and impressive: GEZE automatic door systems with Bluetooth technology

GEZEconnects

Wireless connection! Bluetooth is an international, standardised short-range radio link with a range of up to 10 metres. The GEZEconnects software allows you to control and monitor GEZE automatic door systems wirelessly via Bluetooth. Programming, commissioning, monitoring and data updates are all easily carried out from a laptop or PC.

GEZEconnects | SOFTWARE

GEZEconnects | SOFTWARE
zur kabellosen Verbindung von GEZE Automatischen Türsystemen und PCs über Bluetooth

GEZE GmbH
Reinhold-Wöster-Str. 21-29
71229 Leonberg
Germany
Telefon: +49 (0)7152-203-0
Telefax: +49 (0)7152-203-310
www.geze.com

Systemvoraussetzungen:
PC mit Windows XP
Intel oder 100% kompatiblen
Prozessor
500 MB RAM
1,5 GHz
CD Laufwerk
Bluetooth Schnittstelle
150 MB freier Speicherplatz

GEZEconnects | SOFTWARE
zur kabellosen Verbindung von GEZE Automatischen Türsystemen und PCs über Bluetooth

GEZE
BEWEGUNG MIT SYSTEM

Other benefits of the forward-looking radio wireless technology

- Fast, efficient data transfer
- All default settings can be very simply adopted for other door systems.
- Time-saving updates possible for separate parameter settings.
- User-friendly documentation for commissioning, maintenance and diagnostic reports.
- All necessary statistics can be easily downloaded at any time.
- Password-protected to protect operating parameters and maintenance data against unauthorised changes.

GEZE ECdrive AND VARIANTS

GEZE ECdrive – DRIVE UNIT BENEFITS



Tested safety



Also for
escape and
rescue routes



GEZEconnects
– the wireless
interface



High
opening widths



Self-cleaning
roller carriage

TECHNICAL CHARACTERISTICS

ECdrive	EC	EC-FR
Dimensions (height x depth)	120/150 x 175 mm	
For single-leaf/double-leaf door systems	● / ●	
Weight per door leaf	max. 120 kg	
Opening width	single-leaf	700 – 3000 mm
	double-leaf	900 – 3000 mm
Motion parameter		
Opening and closing speed per door leaf	max. 0,7 m/s	
Hold-open time	0–60 s	
Automatic learning of door behaviour to the access frequencies	●	
Power limitation		
Opening and closing force adjustable	max. 150 N	
Automatic reversion with recognition of an obstacle	●	
Ambient conditions		
Temperature range	-15 bis 55 °C	
Enclosure rating	IP 20	
Functions		
Mains disconnection/main switch integrated in the drive	●	
Special functions		
Reduced opening width mode	●	
Draught lobby function	●	–
Draught proofing	●	–
Emergency functions		
Independent opening/closing of the door leaves with power failure adjustable by integrated energy storage	● / ●	● / –
Independent opening/closing of the door leaves with malfunction by integrated energy storage	– / –	● / –
Commissioning		
With automatic learning programme	●	
With program selector DPS	●	
With service terminal ST220	●	
With laptop/PC via Bluetooth, wireless	●	
Approvals		
DIN 18650 1/2	●	
BGR 232	●	
DIN EN ISO 13849	Performance Level D	
AutSchR	–	●

● = Standard

● = Option

THE DRIVE COMPONENTS AT A GLANCE



CONSTRUCION PARTS

ECdrive		EC	EC-FR
① Transformer	Voltage	230 VAC +6% -10%	
	Frequency	50/60 Hz	
	Capacity rating	150 W	
② Locking	At toothed belt electromagnetically /bistable		●
③ Control	Controller type	DCU1	DCU1-2M
	Redundant	–	●
	Digital		●
	With fault memory		●
	With memory for statical data		●
	Software update possible		●
	With bus interface		●
	With connection for fire alarm system		●
	With power supply for peripheral devices		●
	Programmable inputs	3	
	Programmable outputs	2	
④ Energy storage	Battery		●
⑤ Motor	Basic	●	–
	Twofold	–	●
	Torque	400 Ncm	
⑥ Roller carriage	Door leaf adjustment vertical	10 mm	
	Door leaf adjustment horizontal	15 mm	
	With tilting protection		●
	Self-cleaning		●

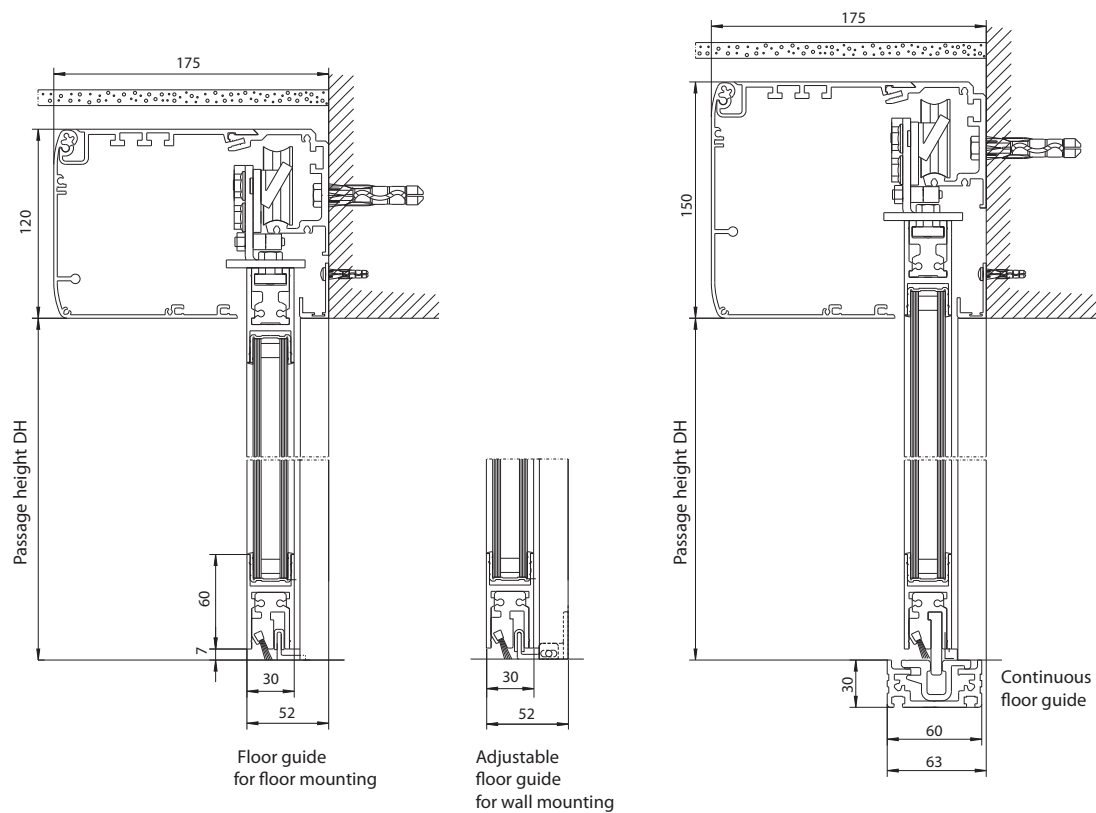
● = Standard

● = Option

GEZE ECdrive AND VARIANTS

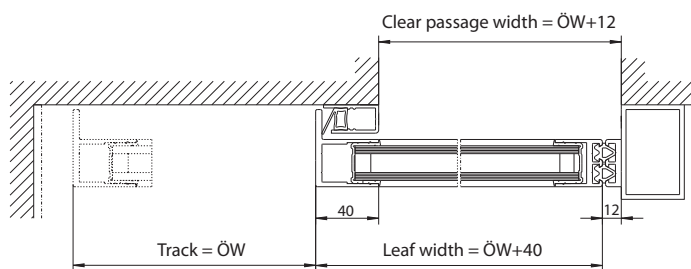
ECdrive door leaf with fine-framed insulating (ISO) / MONO glass

Drawing no. 70504-ep01



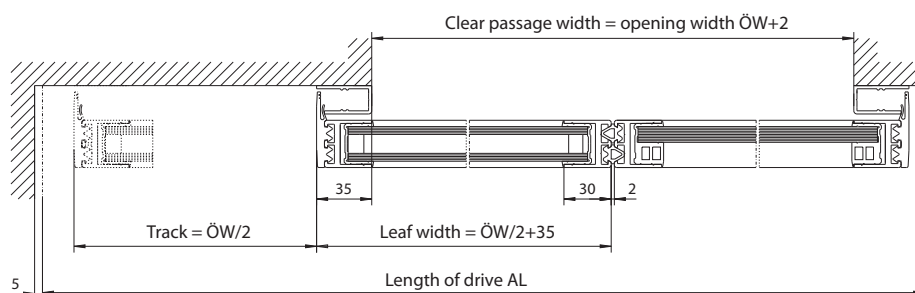
Single-leaf door system

Variant with secondary closing edge made of aluminium



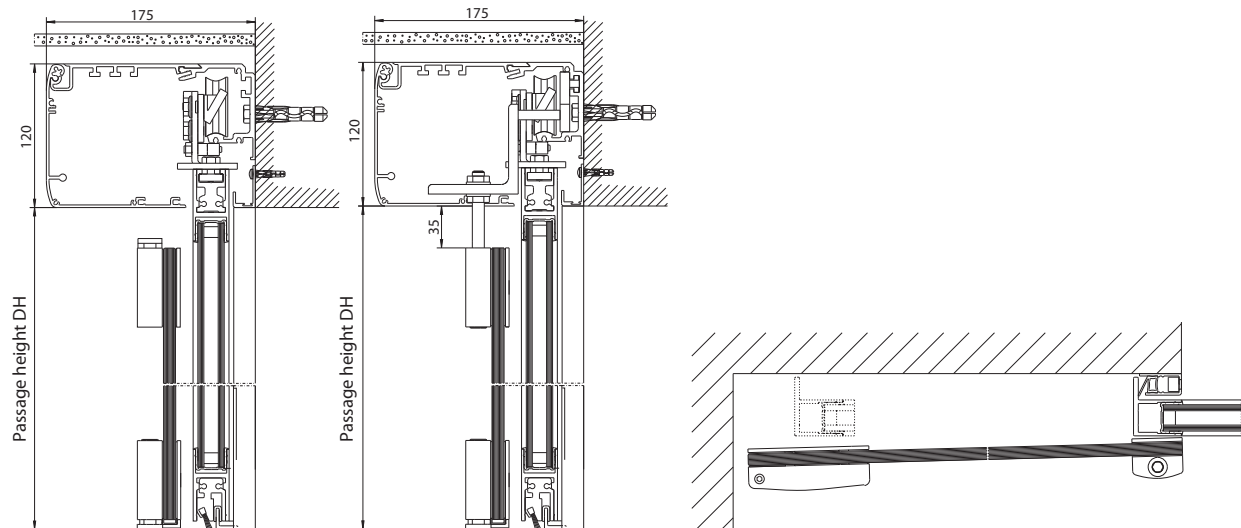
Double-leaf door system

Variant with secondary closing edge made of rubber



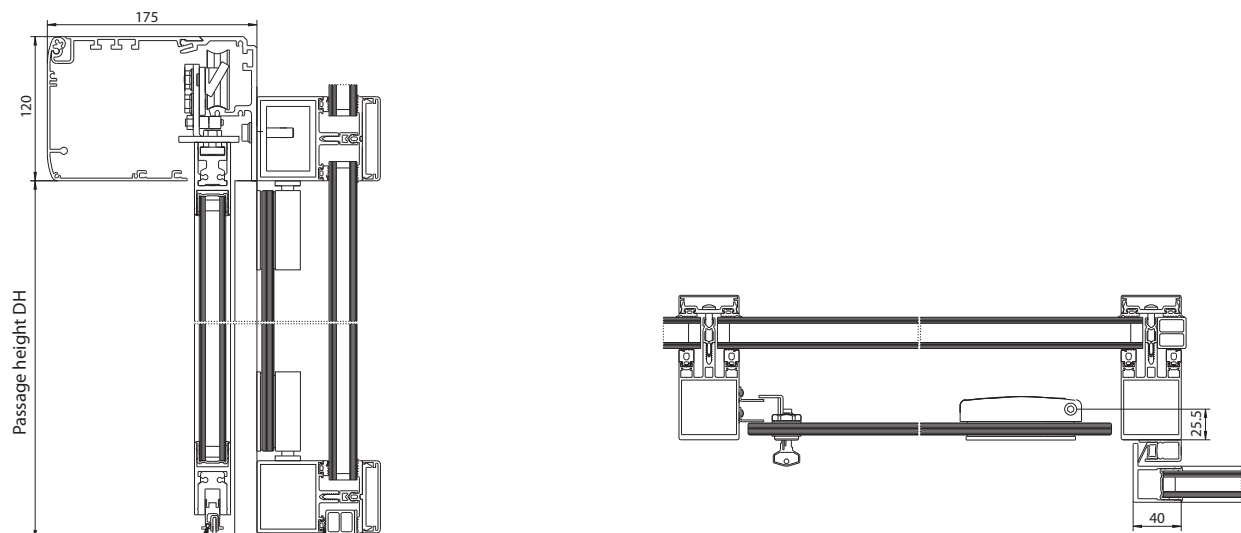
ECdrive door leaf with fine-framed insulating (ISO) / MONO glass safeguarded by protective door leaf

Drawing no. 70504-ep11



ECdrive door leaf with fine-framed insulating (ISO) / MONO glass for post-rail façade, safeguarded by safety leaf

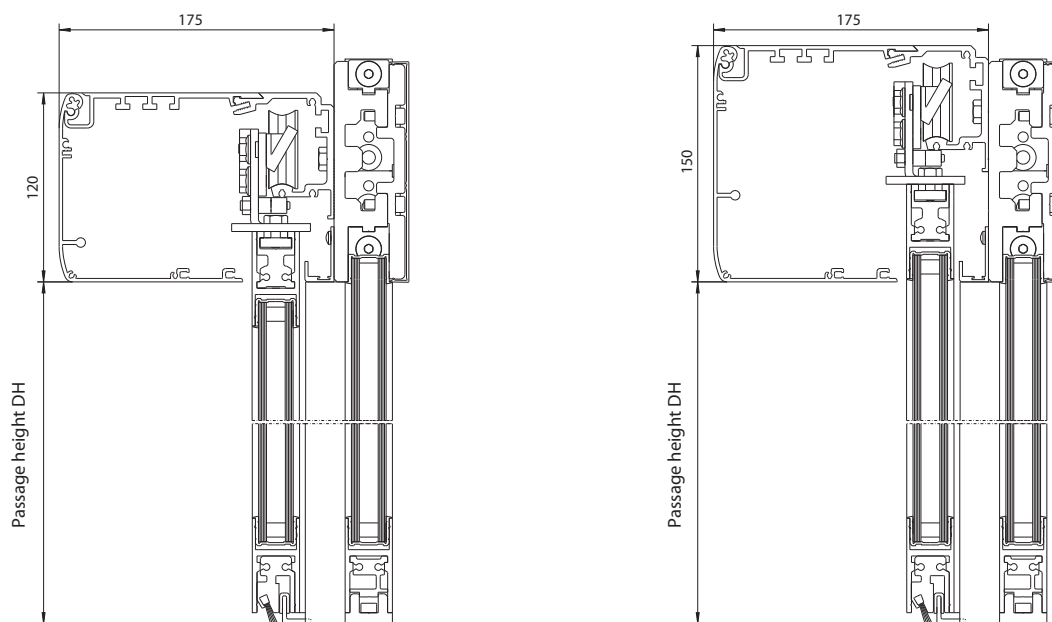
Drawing no. 70504-ep14



GEZE ECdrive AND VARIANTS

ECdrive door leaf and side elements with fine-framed insulating (ISO) / MONO glass

Drawing no. 70504-ep012



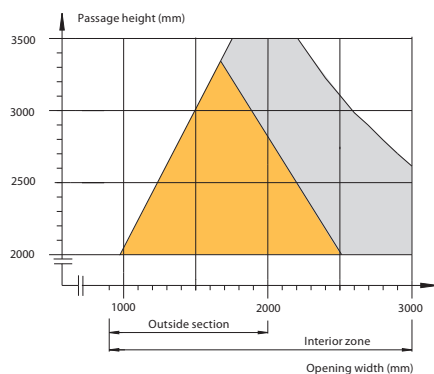
APPLICATION RANGE

Mounting to post-rail constructions

The following diagrams will only apply, if double-leaf drives are fixed to four posts or single-leaf drives are fixed to three posts.

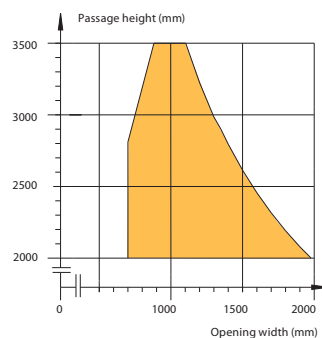
Double-leaf

- Max. door leaf weight 2 x 120 kg
calculation based on leaf weight 30 kg/m²
- Max. ratio of leaf height/leaf width = 1 : 4



Single-leaf

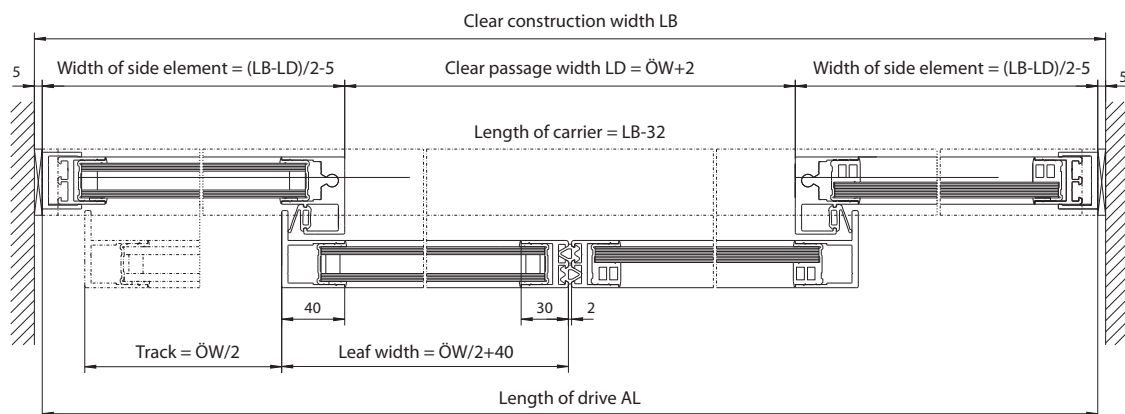
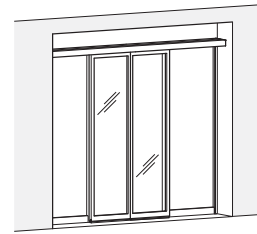
- Max. door leaf weight 120 kg
calculation based on leaf weight 30 kg/m²
- Max. ratio of leaf height/leaf width = 1 : 4



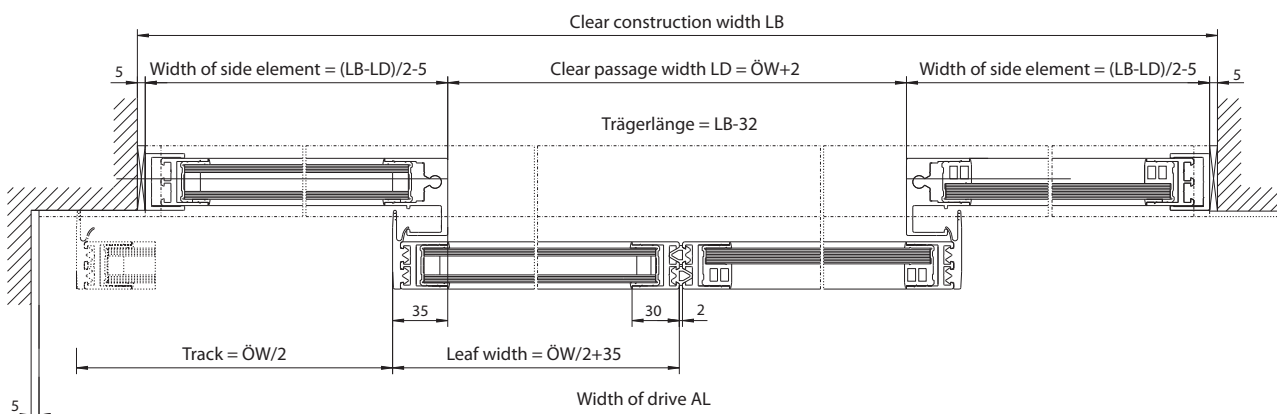
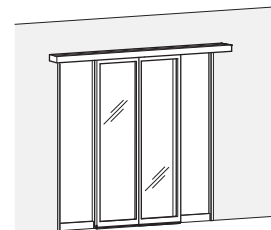
LEGEND OF DIAGRAMS

Application range	Profile
Standard range of application	
Carrier and running rail additionally suspended at the ceiling	

Mounting variant cantilevered fastening between two walls



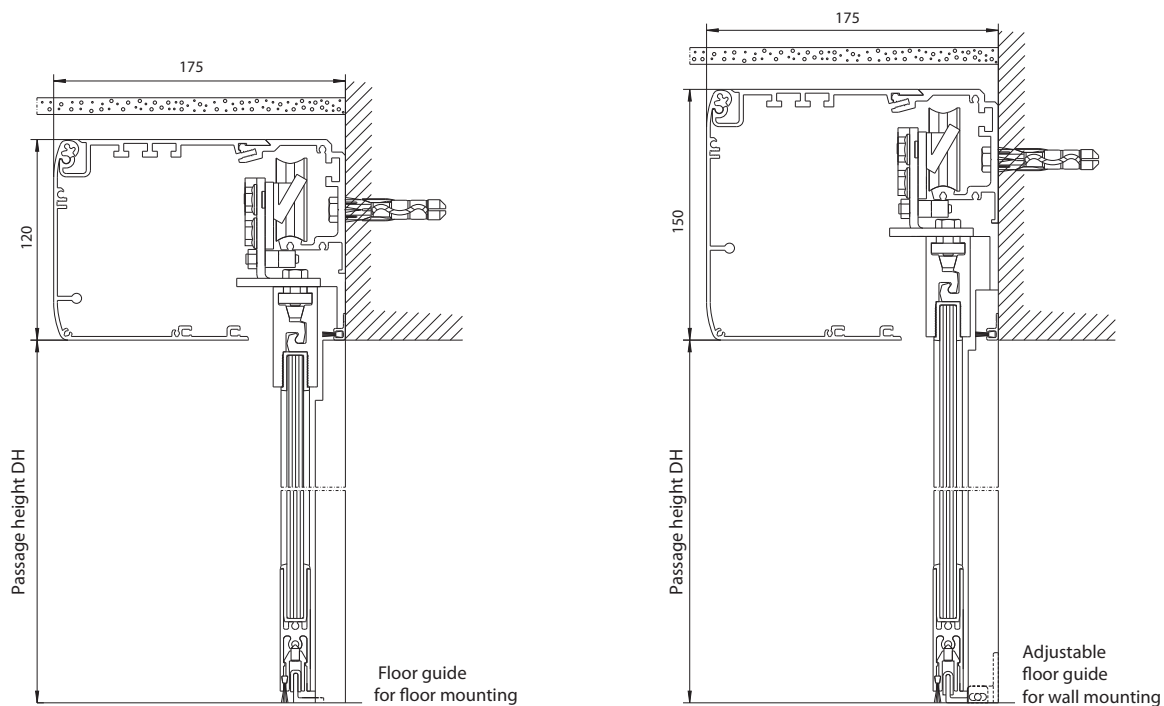
Mounting variant with side elements between two walls and longer drive if the opening in the wall is smaller than the drive length



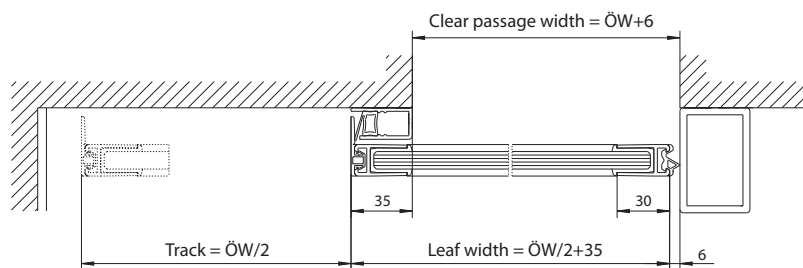
GEZE ECdrive AND VARIANTS

ECdrive door leaf with fine-framed toughened safety glass (ESG) clamping profile

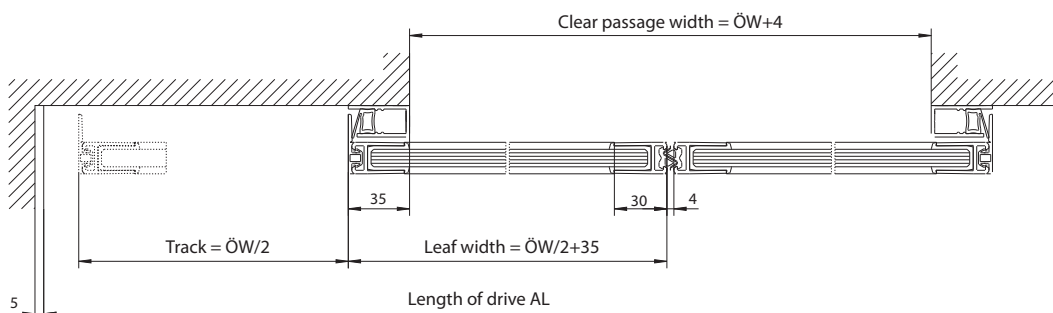
Drawing no. 70504-ep02



Single-leaf door system

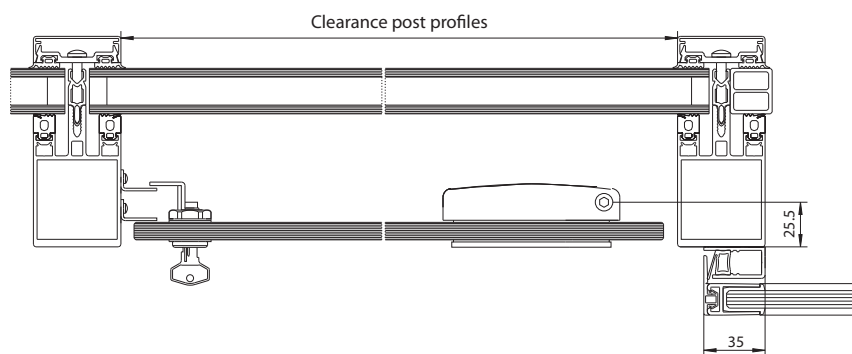
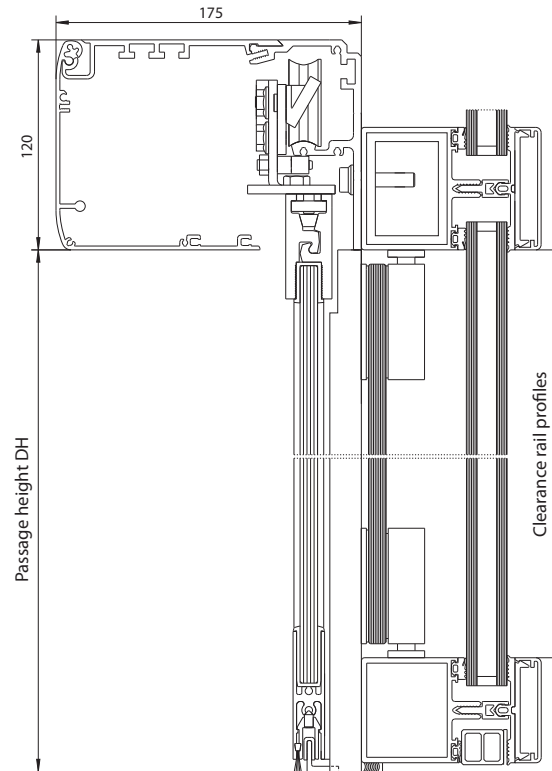


Double-leaf door system



ECdrive door leaf with fine-framed toughened safety glass (ESG) clamping profile for post-rail façade, safeguarded by safety leaf

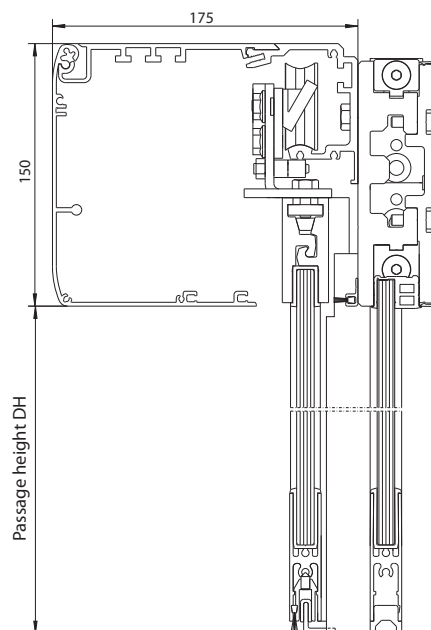
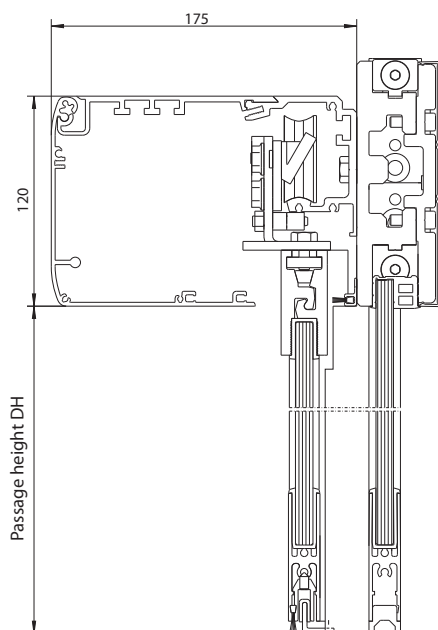
Drawing no. 70504-ep14



GEZE ECdrive AND VARIANTS

ECdrive door leaf and side elements with fine-framed toughened safety glass (ESG) clamping profile

Drawing no. 70504-ep013



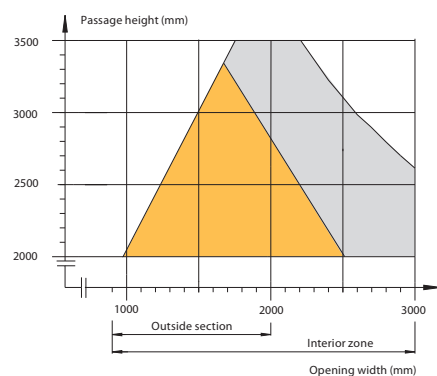
APPLICATION RANGE

Mounting to post-rail constructions

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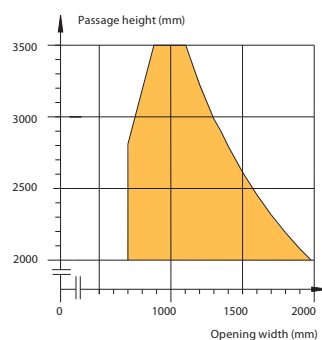
Double-leaf

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calculation based on leaf weight 30 kg/m²
- Max. ratio of leaf height/leaf width = 1 : 4



Single-leaf

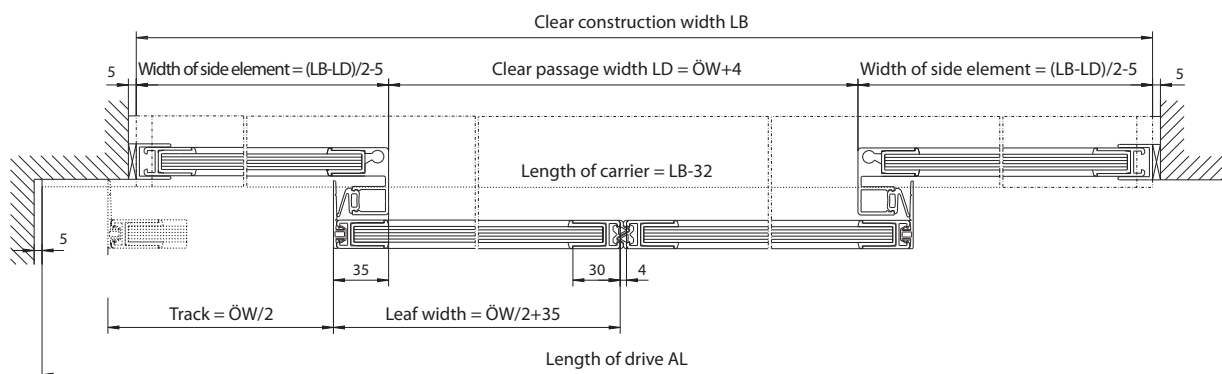
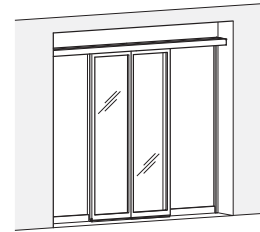
- Max. door leaf weight 120 kg
calculation based on leaf weight 30 kg/m²
- Max. ratio of leaf height/leaf width = 1 : 4



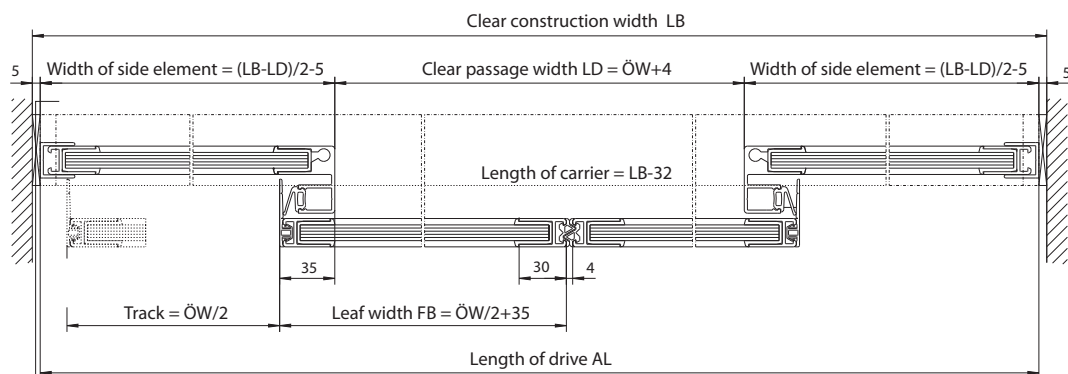
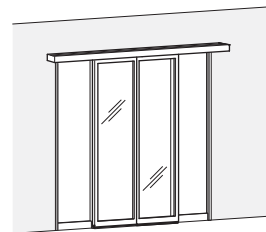
LEGEND OF DIAGRAMS

Application range	Profile
Standard range of application	
Carrier and running rail additionally suspended at the ceiling	

Mounting variant cantilevered fastening between two walls



Mounting variant with side elements between two walls and longer drive if the opening in the wall is smaller than the drive length



GEZE ECdrive AND VARIANTS

DRAUGHT LOBBIES

Draught lobbies are used to avoid draught and to reduce the exchange of heat. Ideally, only one door should be open.

Direction-sensing radar movement detectors only trigger the door if people approach door. Therefore the door closes sooner after the person has entered. A separate programme switch is required for each FR-door.

Legend

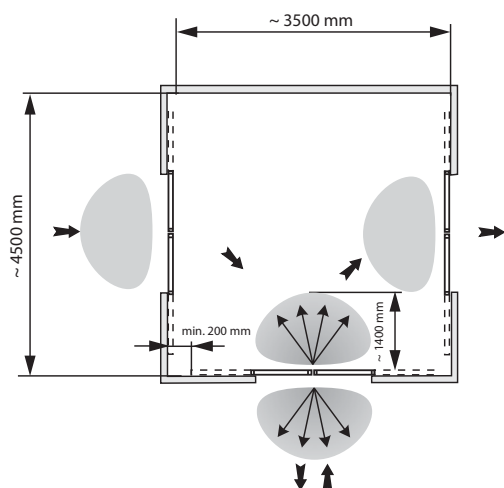


with directional
recognition

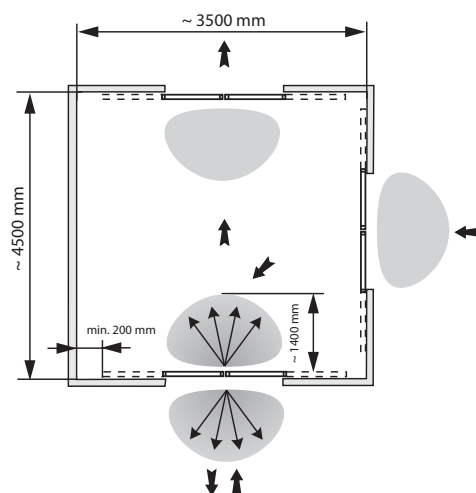


without directional
recognition

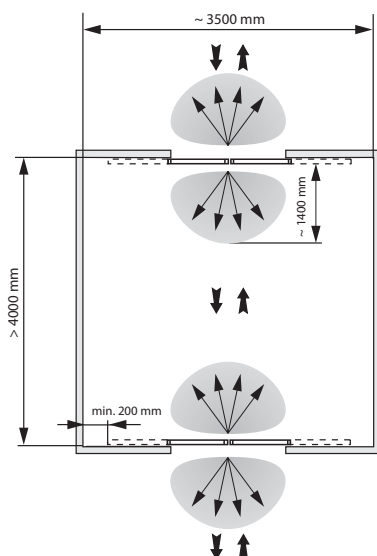
Example for possible combination 1



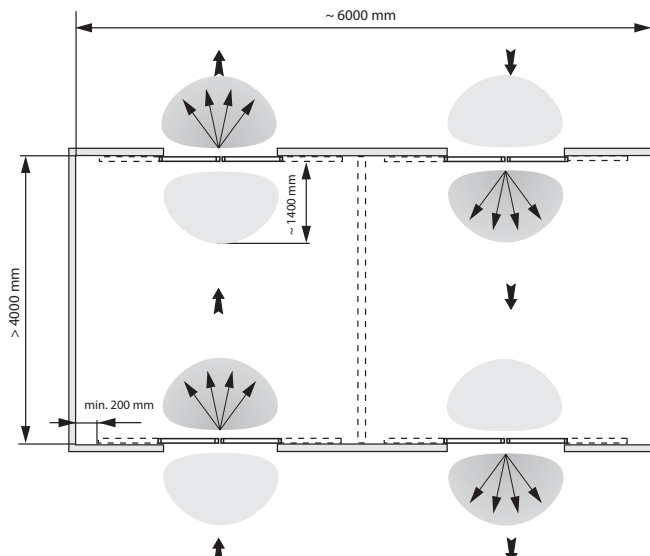
Example for possible combination 2



Example for possible combination 3



Example for possible combination 4



GEZE ECdrive

Sliding door systems

- ① NYM-J 3 x 1,5 mm²
- ② I-Y(ST)Y 2 x 2 x 0,6 mm
- ③ I-Y(ST)Y 3 x 2 x 0,6 mm
- Ⓨ To be supplied by GEZE

GEZE ECdrive AND VARIANTS

TÜV CERTIFICATES AND NOTES TO THE TYPE APPROVAL CERTIFICATE

TUV
THÜRINGEN

Certificate (English Issue)
(valid only in association with the terms overleaf)

Holder of the certificate: GEZE GmbH
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Site of Manufacture: GEZE GmbH
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Type Approval Mark:  valid until 2010-12-31

Product: Automatic in-line sliding door Model: ECdrive Certificate No.: P-2776/06
Product: Automatic semi-curved sliding door Model: ECdrive C Certificate No.: P-2777/06

Testing based on the following:

- DIN 18650-1/2: 2005-12
Locks and metal fittings - automatic door systems
- BGR 232: 2003
Guideline for power-operated windows, doors and gates
- DIN EN 60 335-1: 2003-07
Safety of electrical equipment intended for domestic and similar use
Part 1: General requirements
- DIN EN 60 950: 2003-03
Safety of information technology equipment

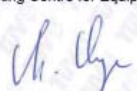
All standards, regulations or guidelines named in the above-mentioned basic documents must also be considered valid.

Result of testing:
The result of the type approval test showed, that the requirements made at the testing bases are met by the product as a whole, provided that there is compliance with the terms laid down at the Type Approval Certificate.

Permission is hereby given to use the Test Mark illustrated above, in accordance with the contractual terms printed overleaf.

Arnstadt, 2006-11-23

TÜV Thüringen Anlagentechnik GmbH
Testing Centre for Equipment Safety


Dipl.-Ing. Martin Sorge
Head of Testing Centre



Automatic sliding doors for the use on escape and rescue routes are subject to special test regulations.

The test certificates for type-tested systems are in hand:

GEZE ECdrive

single-leaf right or left hand closing,
double-leaf
automatic linear sliding doors
for opening width max. 3000 mm
for leaf weight max. 2 x 120 kg

Observe:

- To be accordingly equipped before installation and start-up a safety analysis with consideration of the local conditions is required and the system has to be accomplished with sensors and preventive measures.
- With selection of the sensors the validity according to design inspection certificate is to be considered
- Suitable for dry environment only
- The main switch for all-pole disconnection from the supply network has to be protected from actuation by unauthorised persons.
- Alternatively the switch integrated into the drive is permitted as main switch.
- An emergency switch is not necessary cause the drive fulfills the valid EN

Permitted options:

- Locking device integrated into the drive
- Locks at the floor
- Cantilevered version
- Signal transmitter and actuation sensor according to current list of certified sensors
- Actuation device inside and outside for unlocking
- Reduced opening width

GEZE ECdrive AND VARIANTS

TÜV CERTIFICATES AND NOTES TO THE TYPE APPROVAL CERTIFICATE

TÜV THÜRINGEN

Certificate (English Issue)
(valid only in association with the terms overleaf)

Holder of the certificate: GEZE GmbH
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Site of Manufacture: GEZE GmbH
Reinhold-Vöster-Straße 21-29, 71229 Leonberg

Type Approval Mark: valid until 2010-12-31

Product: Automatic in-line sliding door, for the use on escape and rescue routes
Model: ECdrive-FR **Certificate No.:** P-2778/06
Product: Automatic semi-curved sliding door, for the use on escape and rescue routes
Model: ECdrive C-FR **Certificate No.:** P-2779/06

Testing based on the following:

- Guideline for automatic sliding doors on escape and emergency routes (AutSchR) (Information of the DIBt, Dec 1998 edition)
- DIN 18650-1/2: 2005-12
- Locks and metal fittings - automatic door systems
- BGR 232: 2003
- Guideline for power-operated windows, doors and gates
- DIN EN 60 335-1: 2003-07
- Safety of electrical equipment intended for domestic and similar use
- Part 1: General requirements
- DIN EN 60 950: 2003-03
- Safety of information technology equipment

All standards, regulations or guidelines named in the above-mentioned basic documents must also be considered valid.

Result of testing:
The Test Centre for Building Industry Products of the TÜV Thüringen e.V. a Test Centre recognised together with its associated laboratories by the German Institute for Building Technique Berlin as PÜZ (Test and Monitoring Centre) under the name THU 08, hereby confirms that:

> The type conforms to the regulations of Building Regulation List A, part 1, No. 6.18 for building industry products that are subject to general technical rules <

The results of the type approval test show that in compliance with the terms laid down in the Type Approval Certificate, the specifications made in the bases for testing are met by the product as a whole. Permission is hereby given to use the Test Mark illustrated above, in accordance with the contractual terms printed overleaf.

Zella-Mehlis, 2006-11-23
TÜV Thüringen e.V. (Association for Technical Inspection)
Test Centre for Building Products

Graduate Engineer (FH) Relchelt
Manager of the Test Centre

Automatic sliding doors for the use on escape and rescue routes are subject to special test regulations.

The test certificates for type-tested systems are in hand:

GEZE ECdrive-FR

single-leaf right or left hand closing, double-leaf

automatic linear sliding doors for the use on escape and rescue routes

Observe:

- To be accordingly equipped before installation and start-up a safety analysis with consideration of the local conditions is required and the system has to be accomplished with sensors and preventive measures.
- With selection of the sensors the validity according to design inspection certificate is to be considered
- Suitable for dry environment only
- The main switch for all-pole disconnection from the supply network has to be protected from actuation by unauthorised persons.
- Alternatively the switch integrated into the drive is permitted as main switch.
- An emergency switch is not necessary cause the drive fulfills the valid EN

Permitted options:

- Locking device integrated into the drive
- Locks at the floor
- Cantilevered version
- Signal transmitter and actuation sensor according to current list of certified sensors
- Actuation device inside and outside for unlocking
- Motor break may be used within the operation mode shop closing time (FR-LL)
- 2nd disconnectible movement detector in escape direction may be used (FR-DUO)
- Connection to external GMA / BMS
- Reduced opening width (minimum width of escape route)

References



Hotel Atrium Baska, Island Krk, Croatia



Hotel Atrium Baska, Island Krk, Croatia



Integra Pflegeheim, Ronnenberg, Germany



Integra Pflegeheim, Ronnenberg, Germany



Gasteig, München, Germany



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References



Finanzakademie Bonn, Germany



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