



SOLID STRENGTH WITH DELICATE EASE
GEZE SLIMDRIVE SL NT SLIDING DOOR SYSTEMS



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Kolbenschmidt Pierburg, Neckarsulm, Germany

INTRODUCTION

Solid strength with delicate ease

Glass façades have a lighter and more inviting effect the more delicately they can be incorporated into the building's architecture. The new GEZE Slimdrive SL NT automatic sliding door system is ideal, particularly in glass façades in which there are large door leaves to be moved and all the components have to be delicately narrow.

At just seven centimetres high, the drive is the lowest on the market. It allows the Slimdrive SL NT to be almost invisibly integrated into the façade and can move leaf weights up to 125 kg. The guide rail is also new and can be easily fixed directly to the wall, façade or support beam. The leaf adjustment has been further optimised with a new roller carriage. The self-cleaning roller supplied as standard runs quietly and increases the life of the roller carriage. An additional track-supporting roller helps to prevent tipping.

The optional Bluetooth technology makes commissioning, service and door monitoring a breeze. All the drive parameters settings, diagnostics and default settings can be easily made from a laptop, while statistics such as opening cycles are simple to download. Password-protection and user-friendly documentation for the commissioning or maintenance report are also possible. The GEZEconnects software provides wireless data transfer between the Slimdrive SL NT door controller and a service laptop/PC.

GEZE offers a fast, skilled and comprehensive service.

PRODUCT BENEFITS



DIN18650



Slimdrive SL NT is fully type-tested to DIN 18650 and AutSchR, and is guaranteed to obtain planning consent. The proven GEZE DCU technology offers all the necessary sensor connection options and control solutions for almost all applications. On request, we can implement project-specific solutions at our own technology centre.

Other benefits of the new Slimdrive SL NT

- The roller carriages are accessible from the front, making installation and maintenance child's play. The cover can be detached, but is still secured in place. The vertical adjustment range on the roller carriage is now larger and more easily accessible. This saves up to 45 minutes at the installation stage compared to comparable door drives.
- The drive component module mounts can be prefabricated in the workshop and fitted in an instant, thus saving even more time.
- Even easier to use: can be controlled with all types of device, such as radio remote controls.
- The GEZE Slimdrive SL NT sliding door drive is also available as a kit version.

TYPICAL APPLICATIONS

- Banks and all buildings where appearance counts
- Hotels and restaurants
- Airports and stations
- Hospitals, retirement and care homes
- Trade fairs and car showrooms
- Public buildings, such as schools and colleges



Can even be used in various combinations as emergency exit doors



Doncaster College, United Kingdom

The features of the new GEZE Slimdrive SL NT at a glance



Time saved
on installation:
30-45 min



GEZEconnects – the
wireless interface



Self-cleaning
roller carriage



Simple to install
and maintain



Increased
leaf weights



Tested safety

DIMENSIONS

Unique and only from GEZE: The 7 centimetre high drive!

- Drive installation dimensions: 70 mm x 190 mm (height x depth)
- Drive type: single and double-leaf variants are possible
- Weight: up to 125 kg per leaf
- Opening width: single-leaf 700 mm to 3000 mm
double-leaf 900 mm to 3000 mm

TECHNICAL DATA

Slimdrive	SL NT	SL NT-FR
Movement parameters		
Opening and closing speed per door leaf	max. 0,7 m/s	
Hold-open time	0 - 60 s	
Automatically adjusts to through traffic	●	
Force limitation		
Variable opening and closing force	max. 150 N	
Automatic reversing when an obstacle is detected	●	
Ambient conditions		
Temperature range	-15 to 55 °C	
Enclosure rating	IP 20	
Functions		
Mains disconnecter / main switch in the drive	●	
Special functions		
Limited opening width	●	
Draught lobby function	●	○
Draught-proofing	●	○
Emergency functions		
Variable automatic opening / closing of the door leaves in the event of a power failure by means of integral backup power supply	● / ●	● / ○
Automatic opening / closing of the door leaves in the event of a fault by means of integral backup power supply	○ / ○	● / ○
Commissioning		
with automatic Learn program	●	
with DPS programming switch	●	
with ST220 service terminal	●	
with laptop/PC via Bluetooth, wireless	●	
Approvals		
DIN 18650 1/2	●	
BGR 232	●	
DIN EN ISO 13849	Performance Level D	
AutSchR	○	●

Overview of the GEZE Slimdrive SL NT module



COMPONENTS

Slimdrive		SL NT	SL NT-FR
Parts			
① Transformer	Voltage	230 VAC +6% -10%	
	Frequency	50 / 60 Hz	
	Rated output	150 W	
② Locking system	On toothed belt, electromagnetic/bistable		●
③ Control	Controller	DCU1	DCU1-2M
	redundant	○	●
	digital		●
	with error memory		●
	with memory for statistics		●
	software update possible		●
	with bus interface		●
	with connection for fire alarm system		●
	with output for external consumer		●
④ Backup power supply	Battery		●
⑤ Motor	single	●	○
	double	○	●
	torque	400 Ncm	
⑥ Roller carriage	vertical door leaf adjustment	10 mm	
	horizontal door leaf adjustment	6 mm	
	with anti-tipping mechanism		●
	self-cleaning		●
⑦ Side plates	integral cable inlet on both sides		●
	side panel		●
	stable cover fixing made permanent by improved mount		●

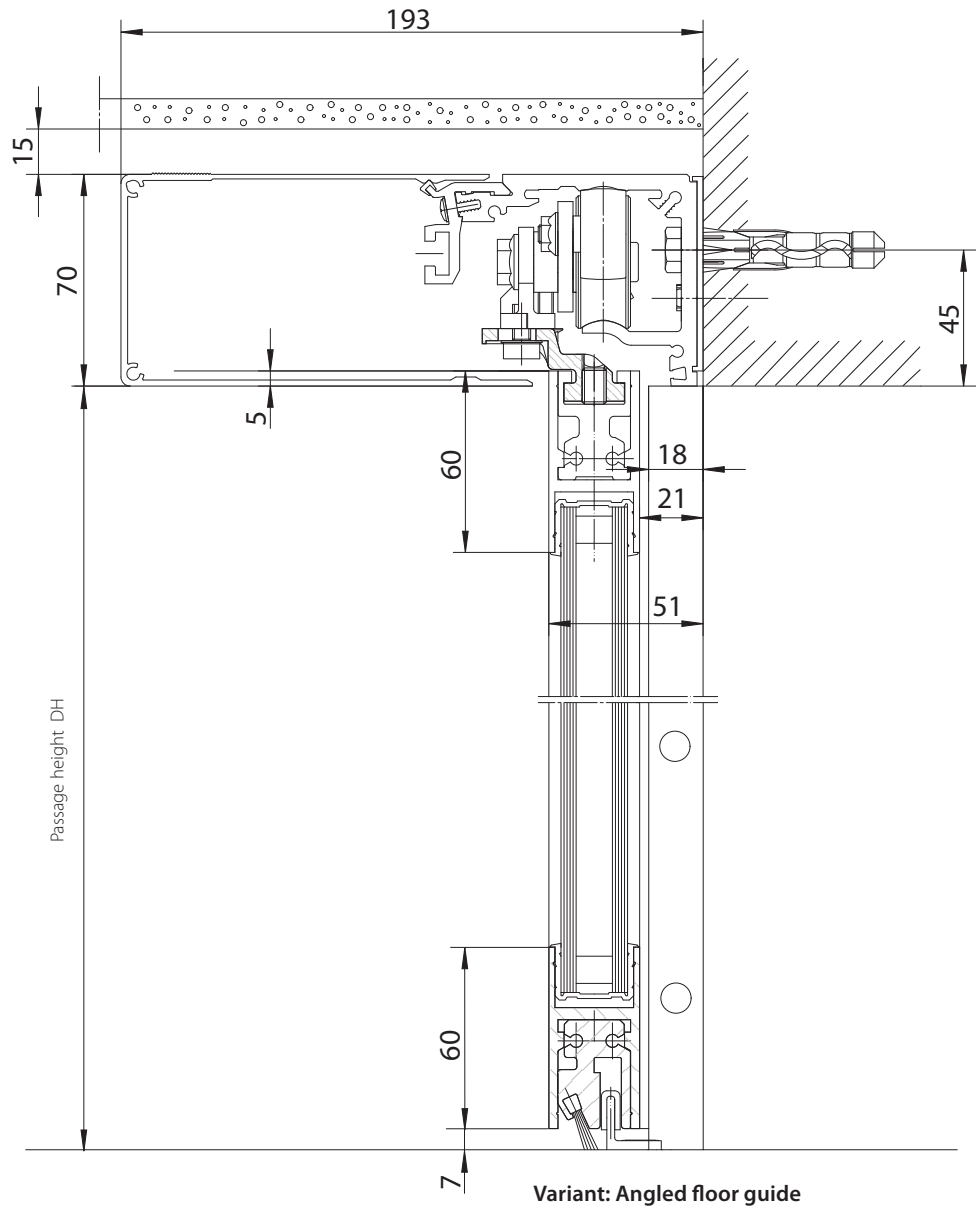
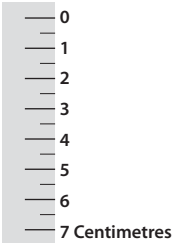
● = Standard

● = Optional

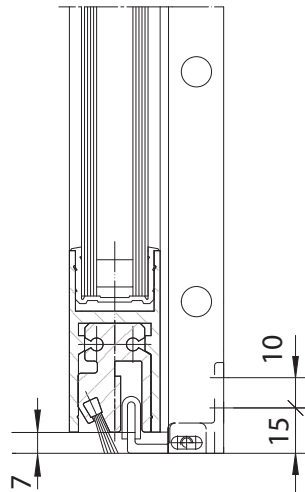
○ = Not possible with this variant

SLIMDRIVE SL NT

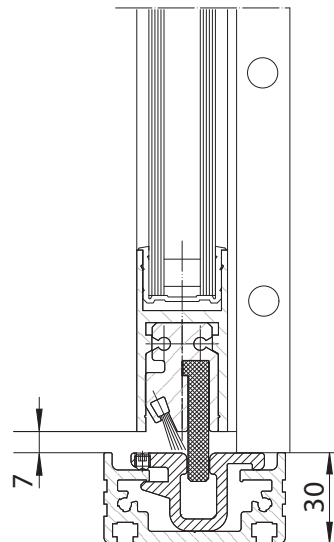
Drawing no. 70511-ep01



Variant: Adjustable floor guide



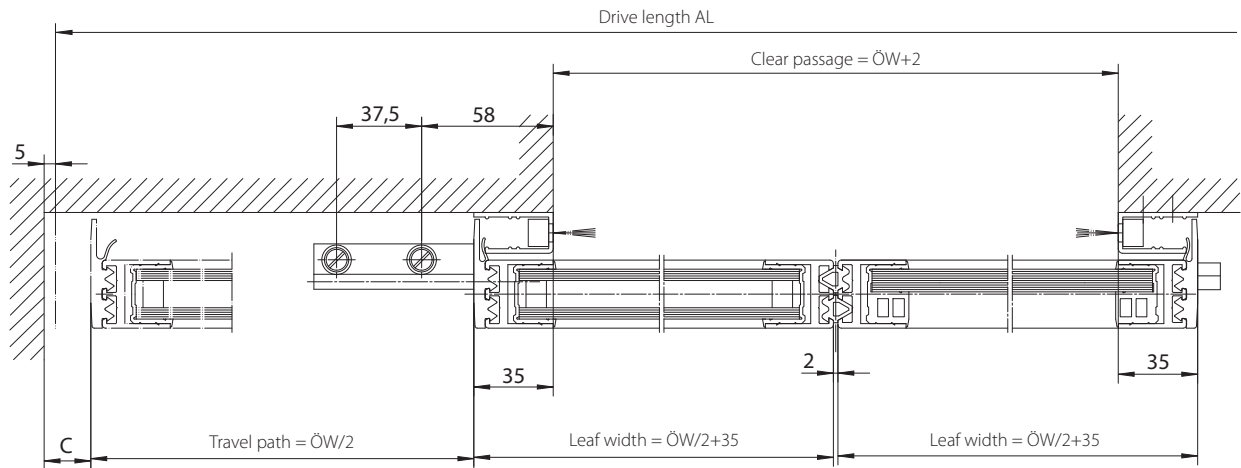
Variant: Continuous floor guide



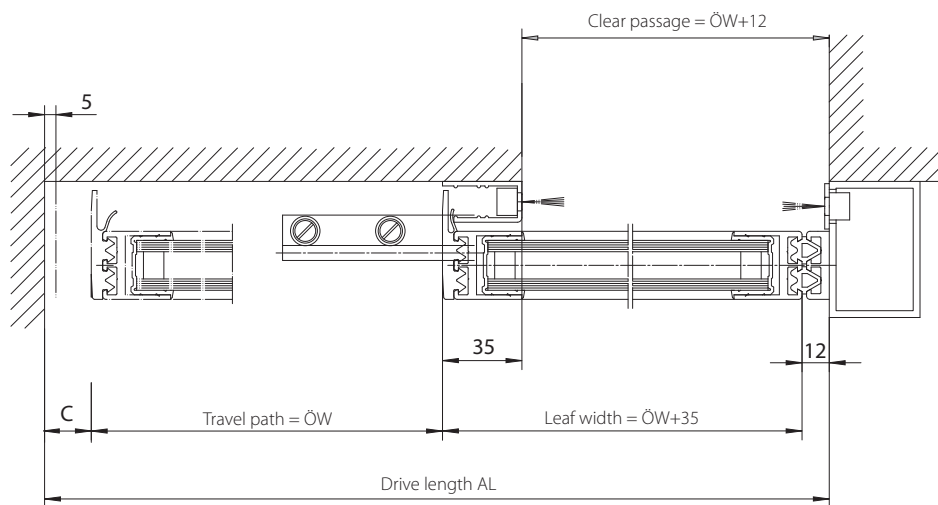
SLIMDRIVE SL NT

Drawing no. 70511-ep01

2-leaf door system



1-leaf door system

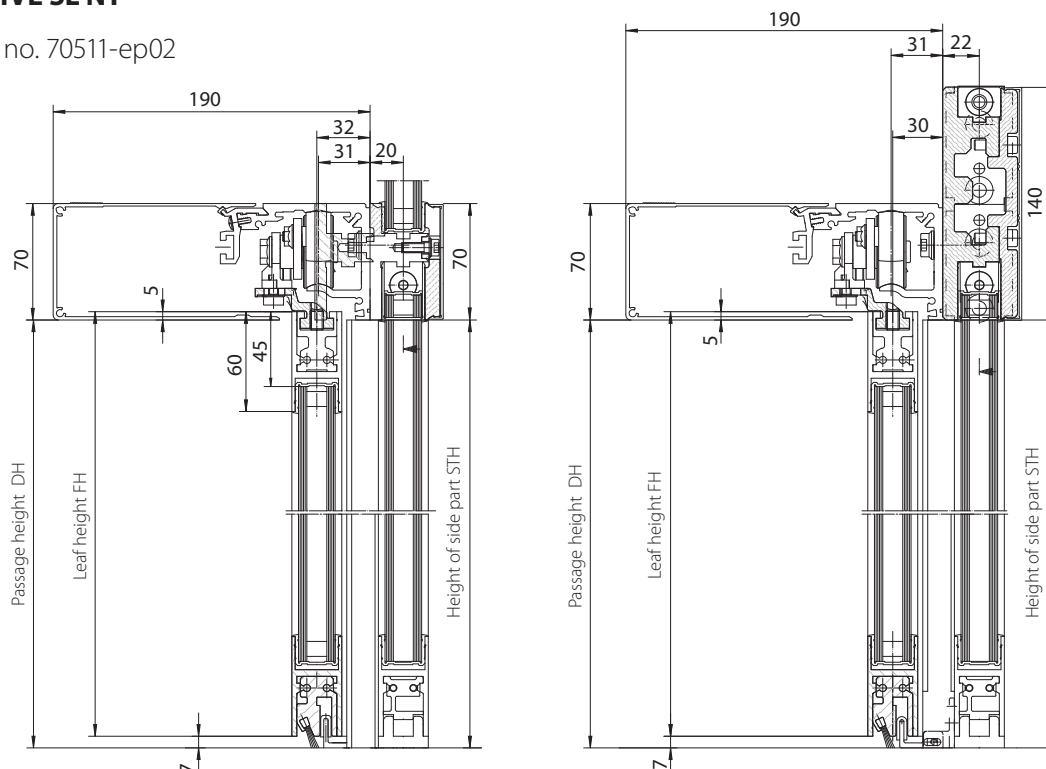


List of abbreviations

B	Overall length
AL	Drive length
FB	Leaf width
FH	Leaf height
DH	Passage height
$\ddot{O}W$	Opening width
LB	Clear overall width
Vls	Left lock
Vrs	Right lock
STH	Height of side part

SLIMDRIVE SL NT

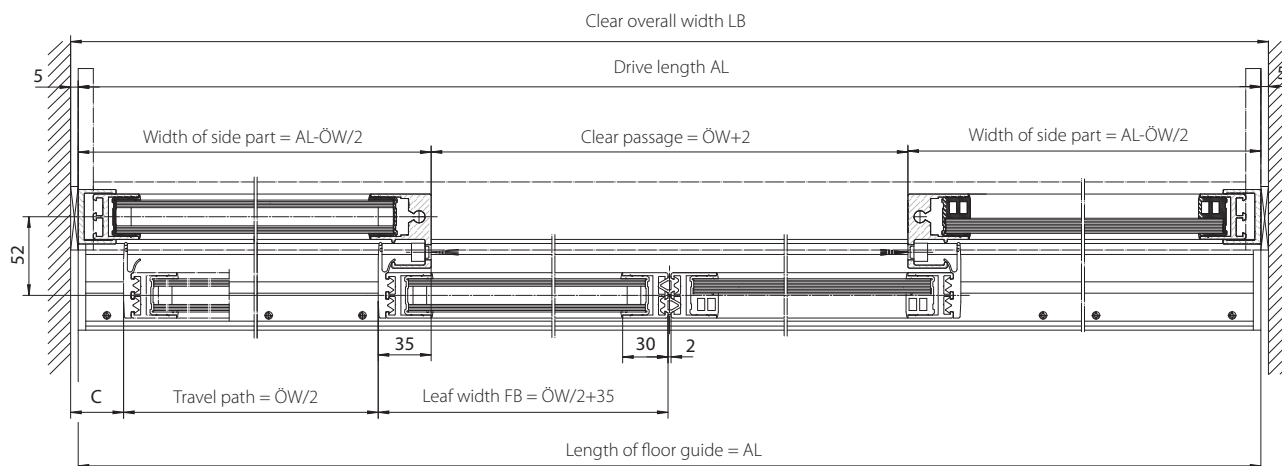
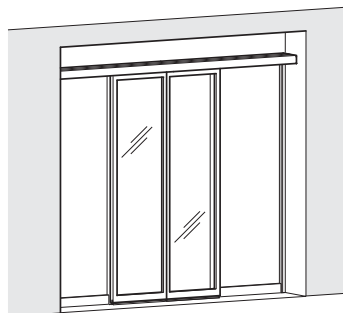
Drawing no. 70511-ep02



Slimdrive SL NT is available with two carrier variants for cantilevered installation. The low carrier is the same height as the drive, allowing it to be integrated very elegantly into the façade. The high carrier should be used for opening widths of 2000 mm or more as its robust design gives the door system greater stability. See the diagram on drawing 70511-ep02 to determine exactly which is the right carrier for your application.

SLIMDRIVE SL NT

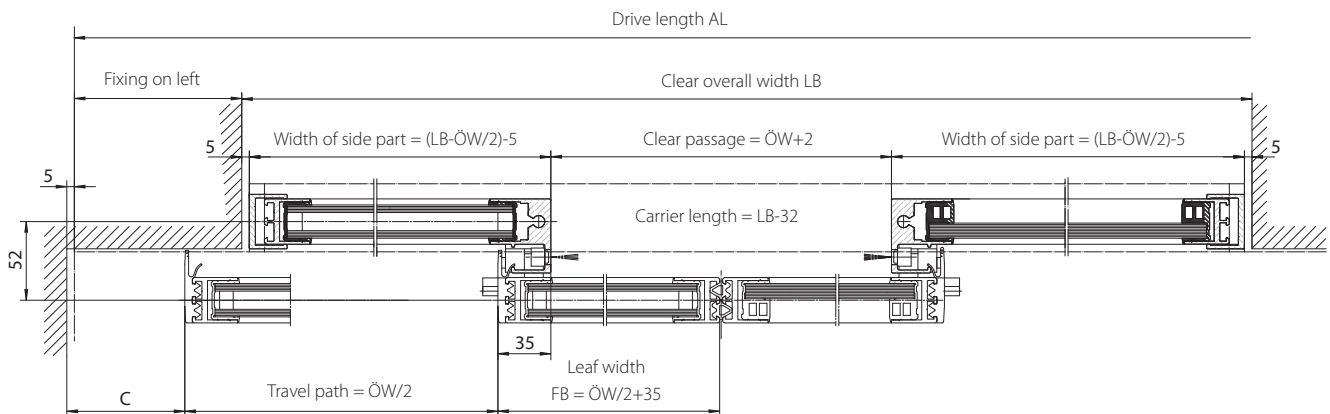
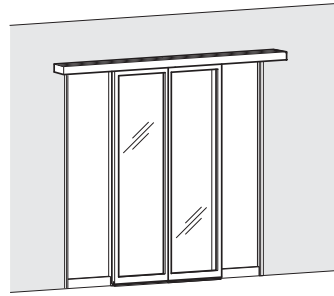
Drawing no. 70511-ep02

Installation:**Drive and carrier between the walls**

SLIMDRIVE SL NT

Drawing no. 70511-ep02

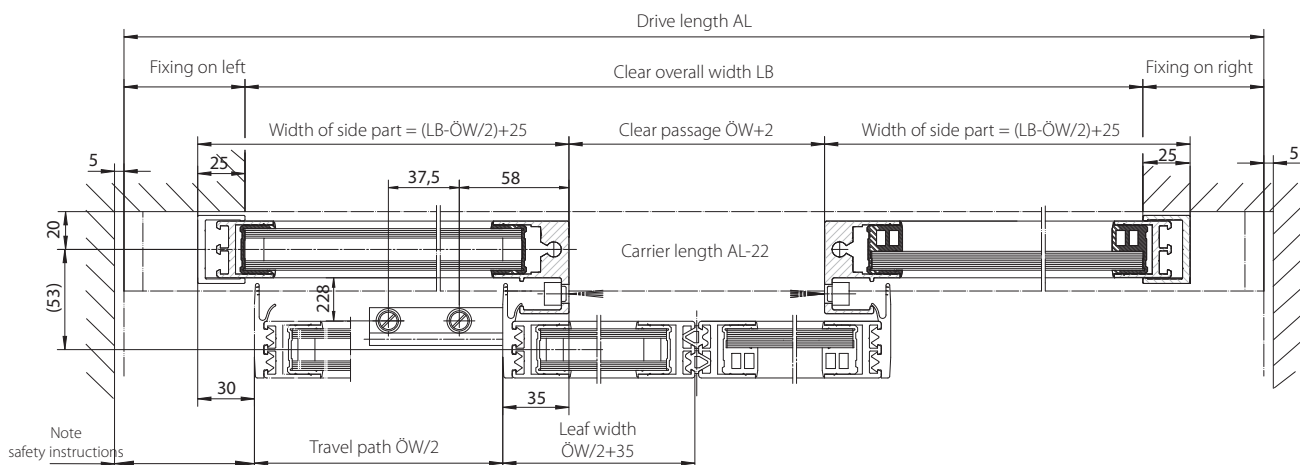
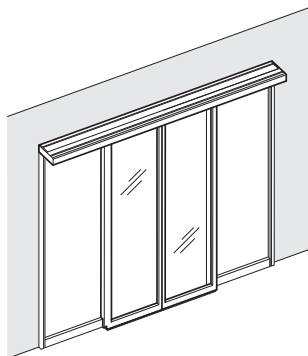
Installation:
Carrier between the walls,
extended drive, wall-mounted



SLIMDRIVE SL NT

Drawing no. 70511-ep04

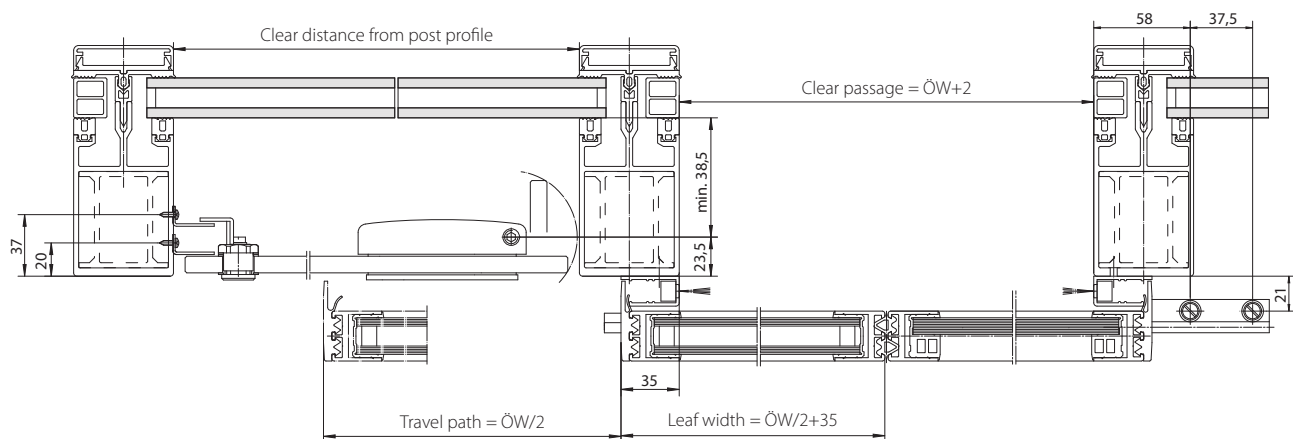
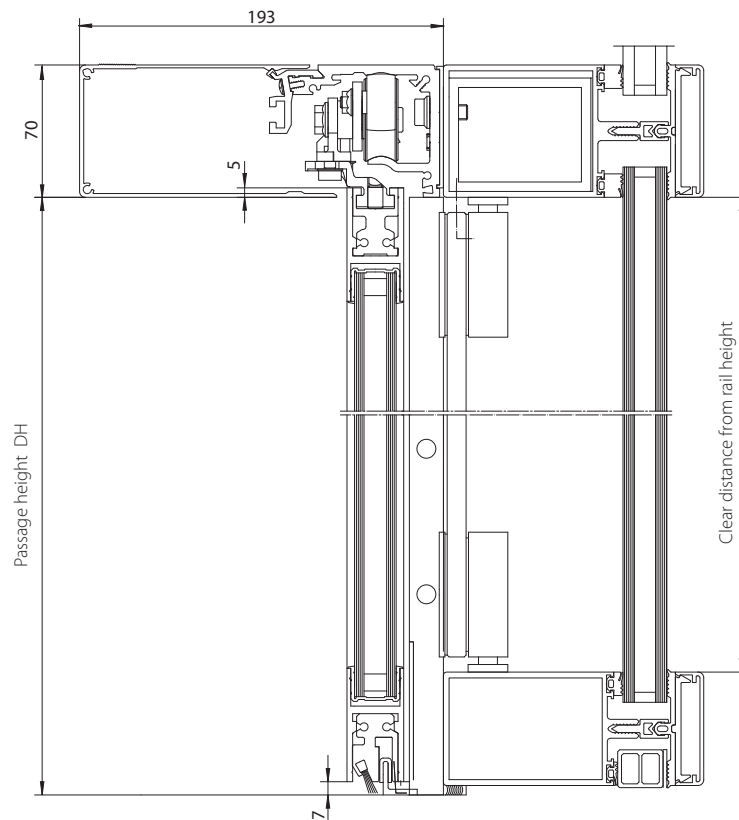
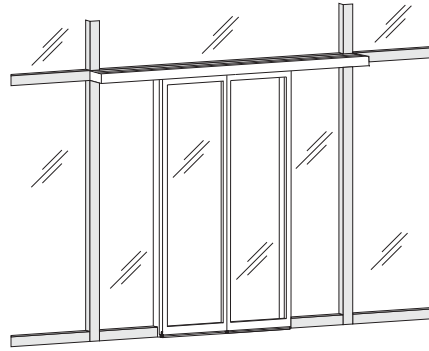
Installation:
Wall-mounted with cantilevered carrier



SLIMDRIVE SL NT

Drawing no. 70511-ep03

Installation:
In post/rail structure
with safety leaf



standing about systems



Certificate P-3470/09 (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
2013-12-31



Product: Automatic in-line sliding door

Model: Slimdrive SL NT

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 60335-1: 2007-02
Safety of electrical equipment intended for domestic and similar use
Part 1: General requirements
- DIN EN 60950-1: 2006-11
Safety of information technology equipment
- DIN EN ISO 13849: 2008
Safety of machinery - Safety-related parts of control systems

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

Result of testing:

The demands made in the test requirements are fulfilled by the product.

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

Zella-Mehlis, 2009-06-25

TÜV Thüringen e.V. (Association for Technical Inspection)
Test Centre for Building Products

Graduate Engineer (FH) Reichelt
Manager of the Test Centre





Certificate P-3471/09 (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
2013-12-31



Product: Automatic in-line sliding door, for the use on escape and rescue routes

Model: Slimdrive SL NT-FR; SL NT-FR-LL; SL NT-FR-DUO

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 60335-1: 2007-02
Safety of electrical equipment intended for domestic and similar use
Part 1: General requirements
 - DIN EN 60950-1: 2006-11
Safety of information technology equipment
 - DIN EN ISO 13849: 2008
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Manager of the Test Centre



Controls

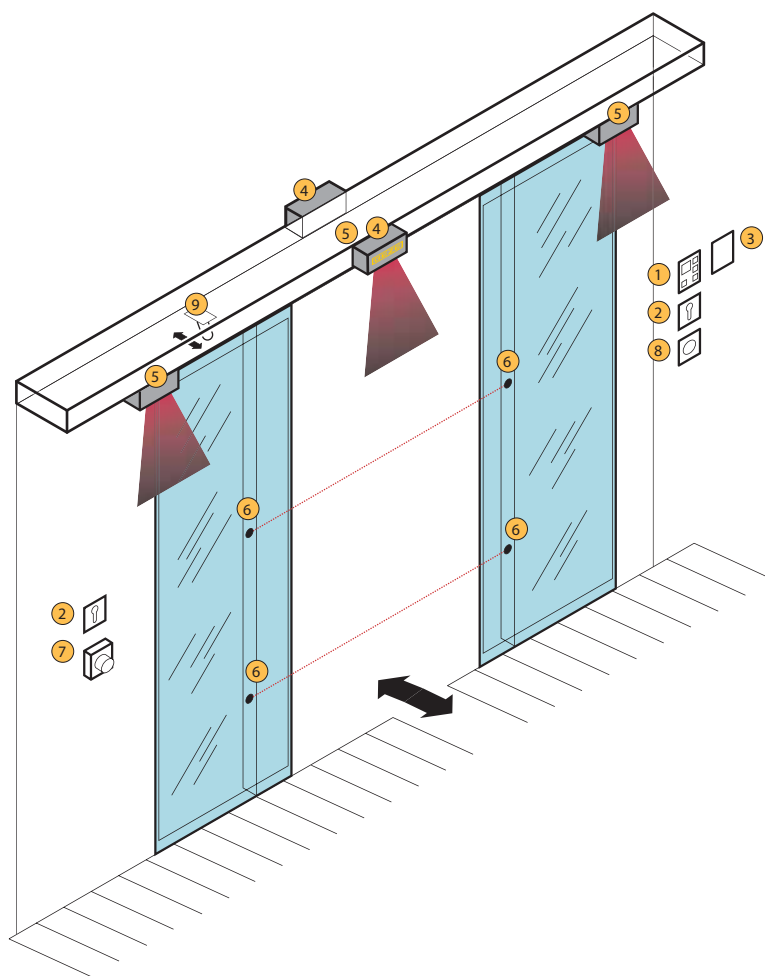
- ① Program selector
- ② Key-operated switch
- ③ Limited opening width button

Activation and safety

- ④ Motion detector
- ⑤ Infrared light curtain
- ⑥ Infrared light barrier (not permitted in DE according to DIN 18650)

Emergency controls

- ⑦ Emergency stop
- ⑧ Emergency up
- ⑨ Emergency unlocking

**Actuators for linear sliding doors****Combination devices**

Radar motion detector with light curtain for activation and protection

of automatic sliding doors	in emergency exits and escape routes
GEZE GC 362 R	GEZE GC 362 SF
GEZE Jupiter R	GEZE Jupiter SV

**Radar motion detector**

for activation

of automatic sliding doors	in emergency exits and escape routes
GEZE GC 302 R	GEZE GC 302 SV

**Light curtains**

for protecting the main and ancillary closing edges of automatic sliding doors

GEZE GC 333
GEZE Presence S

Program selector for selecting the operating status of automatic sliding doors



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



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)



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



TÜRTECHNIK



AUTOMATISCHE TÜRSYSTEME



RIKA UND LÜFTUNGSTECHNIK



SICHERHEITSTECHNIK



GLASYSTEME

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.

References



Palacio de los Artes in Valencia, Spain



Palacio de los Artes in Valencia, Spain



Hotel Marmont in Split, Croatia



Hotel Marmont in Split, Croatia



Bijlmer Arena in Amsterdam, The Netherlands



Bijlmer Arena in Amsterdam, The Netherlands

GEZE GmbH
P.O. Box 1363
71226 Leonberg
Germany

GEZE GmbH
Reinhold-Vöster-Straße 21-29
71229 Leonberg
Germany
Telefon +49 (0) 7152-203-0
Telefax +49 (0) 7152-203-310

www.geze.com

Germany
GEZE Sonderkonstruktionen GmbH
Planken 1
97944 Boxberg-Schweigern
Tel. +49 (0) 7930-9294-0
Fax +49 (0) 7930-9294-10
E-Mail: sk.de@geze.com

GEZE GmbH
Niederlassung Nord/Ost
Bühningstraße 8
13086 Berlin (Weissensee)
Tel. +49 (0) 30-47 89 90-0
Fax +49 (0) 30-47 89 90-17
E-Mail: berlin.de@geze.com

GEZE GmbH
Niederlassung West
Nordsternstraße 65
45329 Essen
Tel. +49 (0) 201-83082-0
Fax +49 (0) 201-83082-20
E-Mail: essen.de@geze.com

GEZE GmbH
Niederlassung Mitte
Adenauerallee 2
61440 Oberursel (b. Frankfurt)
Tel. +49 (0) 6171-63610-0
Fax +49 (0) 6171-63610-1
E-Mail: frankfurt.de@geze.com

GEZE GmbH
Niederlassung Süd
Reinhold-Vöster-Straße 21-29
71229 Leonberg
Tel. +49 (0) 7152-203-594
Fax +49 (0) 7152-203-438
E-Mail: leonberg.de@geze.com

GEZE Service GmbH NL Südwest
Reinhold-Vöster-Straße 25
71229 Leonberg
Tel. +49 (0) 7152-92 33 34

GEZE Service GmbH NL Nord-Ost
Bühningstraße 8
13086 Berlin (Weissensee)
Tel. +49 (0) 30-47 02 17 32

GEZE Service GmbH NL West
Nordsternstraße 65
45329 Essen
Tel. +49 (0) 201-8 30 82 16

GEZE Service GmbH NL Mitte
Adenauerallee 2
61440 Oberursel
Tel. +49 (0) 6171-63 61 03

GEZE Service GmbH NL Süd
Keltenring 10
85658 Eggening
Tel. +49 (0) 8095-87 13 61

Austria
GEZE Austria GmbH
Mayrwiesstraße 12
5300 Hallwang b. Salzburg
Tel. +43-(0)662-663142
Fax +43-(0)662-663142-15
E-Mail: austria.at@geze.com

Baltic States
GEZE GmbH Baltic States office
Dzelzavas iela 120 S
1021 Riga
Tel. +371 (0) 67 89 60 35
Fax +371 (0) 67 89 60 36
E-Mail: office-latvia@geze.com

Benelux
GEZE Benelux B.V.
Leemkuil 1
Industrieterrein Kapelbeemd
5626 EA Eindhoven
Tel. +31-(0)40-26290-80
Fax +31-(0)40-26 290-85
E-Mail: benelux.nl@geze.com

Bulgaria
GEZE Bulgaria - Trade
Representative Office
61 Pirinski Prohod, entrance „B“,
4th floor, office 5,
1680 Sofia
Tel. +359 (0) 24 70 43 73
Fax +359 (0) 24 70 62 62
E-Mail: office-bulgaria@geze.com

China
GEZE Industries (Tianjin) Co., Ltd.
Shuangchenzhong Road
Beichen Economic Development
Area (BEDA)
Tianjin 300400, P.R. China
Tel. +86(0)22-26973995-0
Fax +86(0)22-26972702
E-Mail: Sales-info@geze.com.cn

GEZE Industries (Tianjin) Co., Ltd.
Branch Office Shanghai
Unit 25N, Cross Region Plaza
No 899, Ling Ling Road,
Xuhui District
200030 Shanghai, P.R. China
Tel. +86 (0)21-523 40 960
Fax +86 (0)21-644 72 007
E-Mail: gezesh@geze.com.cn

GEZE Industries (Tianjin) Co., Ltd.
Branch Office Guangzhou
Room 17C3
Everbright Bank Building, No.689
Tian He Bei Road
510630 Guangzhou
P.R. China
Tel. +86(0)20-38731842
Fax +86(0)20-38731834
E-Mail: gezegz@geze.com.cn

GEZE Industries (Tianjin) Co., Ltd.
Branch Office Beijing No. 6-32
Building
Jili Avenue
Daxing District
100076 Beijing, P.R. China
Tel. +86-(0)10-879751-77/-78
Fax +86-(0)10-879751-71
E-Mail: gezebj@geze.com.cn

France
GEZE France S.A.R.L.
ZAC de l'Orme Rond
RN 19
77170 Servon
Tel. +33-(0)1-606260-70
Fax +33-(0)1-606260-71
E-Mail: france.fr@geze.com

Hungary
GEZE Hungary Kft.
Bartók Béla út 105-113.
Budapest
H-1115
Tel. +36 (1) 481 4670
Fax +36 (1) 481 4671
E-Mail: office-hungary@geze.com

Iberia
GEZE Iberia S.R.L.
Pol. Ind. El Pla
C/Comerc, 2-22, Nave 12
08980 Sant Feliu de Llobregat
(Barcelona)
Tel. +34(0)9-02194036
Fax +34(0)9-02194035
E-Mail: info@geze.es

India
GEZE India Private Ltd.
MF 2 & 3, Guindy Industrial Estate
Ekkattuthangal
Chennai 600 097
Tamilnadu
Tel. +91 44 3061 6900
Fax +91 44 3061 6901
E-Mail: office-india@geze.com

Italy
GEZE Italia Srl
Via Giotto, 4
20040 Cambiago (MI)
Tel. +3902950695-11
Fax +3902950695-33
E-Mail: italia.it@geze.com

GEZE Engineering Roma Srl
Via Lucrezia Romana, 91
00178 Roma
Tel. +3906-7265311
Fax +3906-72653136
E-Mail: roma@geze.biz

Poland
GEZE Polska Sp.z o.o.
ul. Annapol 21
03-236 Warszawa
Tel. +48 (0)22 440 4 440
Fax +48 (0)22 440 4 400
E-Mail: geze.pl@geze.com

Romania
GEZE GmbH Reprezentanta Romania
Str. Ionescu Baican nr. 22
RO-021835 Bucuresti, sector 2
Tel. +40 (0) 21 25 07 750
Fax +40 (0) 21 25 07 750
E-Mail: office-romania@geze.com

Russian Federation
GEZE GmbH Representative
Office Russia
Kolodesnij pereulok3, str. 25
Office Nr. 5201-5203
107076 Moskau
Tel. +7 (0) 49 55 89 90 52
Fax +7 (0) 49 55 89 90 51
E-Mail: office-russia@geze.com

Scandinavia – Sweden
GEZE Scandinavia AB
Mallslingan 10
Box 7060
18711 Täby, Sweden
Tel. +46(0)8-7323-400
Fax +46(0)8-7323-499
E-Mail: sverige.se@geze.com

Scandinavia – Norway
GEZE Scandinavia AB avd. Norge
Industriveien 34 B
2073 Dal
Tel. +47(0)639-57200
Fax +47(0)639-57173
E-Mail: norge.se@geze.com

Scandinavia – Finland
Branch office of GEZE Scandinavia AB
Herralantie 824
Postbox 20
15871 Hollola
Tel. +358(0)10-4005100
Fax +358(0)10-4005120
E-Mail: finland.se@geze.com

Scandinavia – Denmark
GEZE Danmark
Branch office of GEZE Scandinavia AB
Høje Taastrup Boulevard 53
2630 Taastrup
Tel. +45(0)46-323324
Fax +45(0)46-323326
E-Mail: danmark.se@geze.com

South Africa
DCLSA Distributors (Pty.) Ltd.
118 Richards Drive, Halfway House,
Ext 111
P.O. Box 7934, Midrand 1685
Tel. +27(0)113158286
Fax +27(0)113158261
E-Mail: info@dclsa.co.za

Switzerland
GEZE Schweiz AG
Bodenackerstrasse 79
4657 Dulliken
Tel. +41-(0)62-2855400
Fax +41-(0)62-2855401
E-Mail: schweiz.ch@geze.com

Turkey
GEZE GmbH Türkiye - İstanbul
İrtibat Bürosu
Ataşehir Bulvarı, Ata 2/3
Plaza Kat: 9 D: 84 Ataşehir
Kadıköy / İstanbul
Tel. + 90 (0) 21 64 55 43 15
Fax + 90 (0) 21 64 55 82 15
E-Mail: office-turkey@geze.com

Ukraine
Repräsentanz GEZE GmbH Ukraine
ul. Vikentija Hvoyki, 21,
office 151
04080 Kiev
Tel. +38 (0) 44 49 97 725
Fax +38 (0) 44 49 97 725
E-Mail: office-ukraine@geze.com

United Arab Emirates/GCC
GEZE Middle East
P.O. Box 17903
Jebel Ali Free Zone
Dubai
Tel. +971(0)4-8833112
Fax +971(0)4-8833240
E-Mail: geze@emirates.net.ae

United Kingdom
GEZE UK Ltd.
Blenheim Way
Fradley Park
Lichfield
Staffordshire WS13 8SY
Tel. +44(0)1543443000
Fax +44(0)1543443001
E-Mail: info.uk@geze.com

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