ONE FOR ALL: ELEGANT DESIGN

AND ALL FUNCTIONALITIES COMBINED IN ONE DRIVE – WITHOUT ANY UPGRADE

Electromechanical swing door drive for 1- and 2-leaf single-action doors

The electromechanical swing door drive system GEZE Slimdrive EMD / EMD-F stands out due to its numerous standard areas of application and functionalities. It is just as ideal for use on internal and external doors as on fire protection and RWA fresh air doors. The drive system provides barrier-free access convenience for a wide range of uses, from public buildings through office blocks, leisure and educational facilities and hotels through to hospitals and care homes.

Swing door drive system GEZE Slimdrive EMD / EMD-F

One for all: all functions available without any upgrade

With GEZE Slimdrive EMD drive systems, the full functional scope is available as standard without additional components or upgrades being necessary. This makes reliable invitations for tenders and costing possible.

Elegant design

The drives of the GEZE Slimdrive EMD series are fine-framed and elegant. Thanks to their small overall height of only seven centimetres, they can be fitted almost invisibly to any building architecture.

Barrier-free access convenience

- The drives of the Slimdrive EMD series allow all visitors to a building, not only those with restricted mobility, barrier-free and comfortable door passage, thus increased convenience.
- The servo function of the Slimdrive EMD-F makes manual door opening easier:
  it ensures that even heavy doors can be opened manually with significantly less effort required.
- In combination with sensors or non-contact opening switches, the drives of the Slimdrive EMD series make doors more hygienic because they make non-contact opening of the door possible.
- WC control for barrier-free sanitary facilities is available as standard.

Fire protection

- The Slimdrive EMD-F is suitable for use on smoke and fire protection doors -> four types of installation with link arm and guide rail are possible.
- Both the Slimdrive EMD-F and Slimdrive EMD are available with the low-energy mode as standard. Therefore, even fire protection doors can be moved at reduced speeds so that they fulfil the safety level of DIN 18650. (Securing the door with safety sensors is only necessary in individual cases)
- The new Slimdrive EMD-F/R with integrated smoke switch offers convenience and design coupled with additional safety. Drive and smoke switch form one visual unit.

Wind-resistant

- Speed control guarantees a constant opening and closing speed even under load due to wind pressure.
- The usual access convenience is guaranteed even when there are draughts, wind, excess pressure or a partial vacuum in the building, because loads due to wind pressure are compensated up to the limit of permitted static force of 150 N.
- The speed control feature is standard in the Slimdrive EMD-F version. No additional components are required.

Temperature-resistant

- Temperature-resistant even at cold temperatures: the Slimdrive EMD drive series can be used in a temperature range of -10 to +50 °C. This means it can even be used at cold temperatures without any loss of function.

Sustainability

- A low-wear and maintenance-free high-performance motor secures reliable and long-term operation even for doors which see heavy traffic.
- By closing reliably, the Slimdrive EMD drive systems reduce the loss of warm or cold air resulting from doors opening. They thus make an important contribution to the energy efficiency of a building.

Easy installation

The low weight of the EMD drive system makes it particularly easy and straightforward to install.

Building networking with the latest control technology

- Slimdrive EMD drive systems can be combined with GEZE SecuLogic emergency exit system, access control system, building management system and RWA fresh air solutions.
- In addition, the Slimdrive EMD can be configured via laptop using the GEZEconnects service tool. This makes it possible
  - to set parameters in a convenient and self-explanatory way
  - to store door-specific settings as a project, thus enabling the data to be re-used quickly
  - to have fast and professional documentation.

Design and safety combined

Further product features

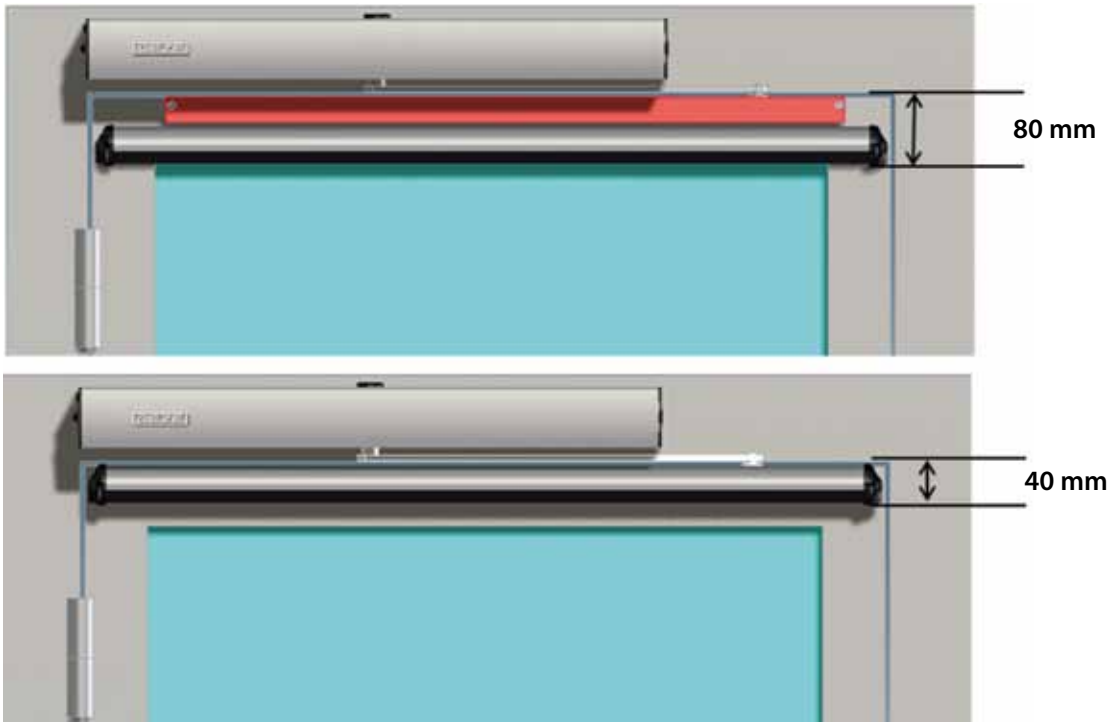
- All door parameters, such as opening and closing speed, latching action or hold-open time, can be adapted easily and optimally.
- Temperature management
- Extremely quiet running
- Optional CAN interface for the realisation of demanding requirements, e.g. draught lobby control
- Standard: Push&Go function, can be activated and deactivated as required
- Modes of operation: "Automatic", "Permanently open", "Night", "Shop closing"
- Integrated programme switch for "Off", "Automatic" and "Permanently open" - "Shop closing" can be realised with the aid of an external programme switch

The sensor guide rail GC GR

The new sensor guide rail GC GR provides a further design advantage. The combination of guide rail and sensor strip in one and the same product allows for a standard appearance, doing justice to demanding design-related and aesthetic requirements. When space is tight, the sensor guide rail is the perfect solution and enables a compact design. The guide rail and the sensor are mounted in a space-saving manner on one level, and thus do not cover any glass cut-outs on glass doors, for example.

Product features

- Safety tested in accordance with DIN 18650
- Suitable for 1- and 2-leaf swing doors
- The sensor guide rail is available for all TSA 160 NT and Slimdrive EMD variants with guide rail.
- Sensor and guide rail profile are available separately, facilitating retrofitting to existing systems.
- Depth of the sensor guide rail: 76 mm



NEW: Guide rail and sensor strip in one and the same product

Technical data

Product features	**GEZE Slimdrive EMD**	**GEZE Slimdrive EMD-F**	**GEZE Slimdrive EMD F-IS**	**GEZE Slimdrive EMD Invers**
Height	70 mm			
Width	650 mm			
Depth	121 mm			
Leaf weight (max.) 1-leaf	180 kg	230 kg		
Hinge size (min.-max.)* 2-leaf	1500 – 2800 mm			
Leaf width (min.-max.)*	750 – 1400 mm			
Reveal depth (max.)*	400 mm			
Door overlap (max.)*	30 mm			
Drive type	Electromechanical			
Door opening angle (max.)*	115 °			
Spring pre-load		EN3 – EN6		
Left-hand	●	●	●	●
Right-hand	●	●	●	●
Transom installation opposite hinge side with link arm	●	●	●	●
Transom installation opposite hinge side with guide rail	●	●	●	●
Transom installation hinge side with guide rail	●	●	●	●
Door leaf installation opposite hinge side with guide rail	-	-	-	-
Door leaf installation hinge side with guide rail	●	●	●	●
Door leaf installation hinge side with link arm	-	-	-	-
Mechanical latching action	-	●	●	-
Electrical latching action	●	●	●	●
Electrical closing sequence control	●	●	●	●
Mechanical closing sequence control	-	-	●	-
Disconnection from mains	Cable plug connection			
Activation delay (max.)	20 s			
Operating voltage	230 V			
Frequency of supply voltage	50 – 60 Hz			
Capacity rating	230 W			
Power supply for external consumers (24 V DC)	1200 mA			
Temperature range	-10 – 50 °C			
Enclosure rating	IP 20			
Operating modes	Off, Automatic, Permanently open, Shop closing, Night			
Type of function	Fully automatic			
Automatic function	●	●	●	●
Low-energy function	●	●	●	●
Servo function	-	●	●	●
Key function	●	●	●	●
Inverse function (opening by spring force)	-	-	-	●
Draught-proofing	●	●	●	●
Obstruction detection	●	●	●	●
Automatic reversing	●	●	●	●
Push & Go	adjustable			
Operation	Programme switch DPS, Programme switch MPS, Programme switch TPS, Programme switch integrated in the drive			
Parameter setting	Programme switch DPS			
CAN interface	optional			
Approvals	DIN 18650	DIN 18650 DIN 18263-4	DIN 18650 DIN 18263-4 Closing sequence controller tested acc. to EN 1158	DIN 18650
Suitable for fire protection doors	-	●	●	-

● = YES
- = NOT AVAILABLE
* = DEPENDING ON THE TYPE OF INSTALLATION

Technical data for sensor guide rail

Product features	GC GR, sensor guide rail
Technology	Active infrared beams
Operating voltage	24 V
Operating current	65 mA
Switching voltage (max.)	42 V
Switching current	100 mA
Installation height (max.)	3000 mm
Connection cable	3000 mm
Operating temperature	-25 – 55 °C
Approvals	DIN 18650

The sensor guide rail GC GR from GEZE

Additional service for GEZE automatic door systems

Training schemes and after-sales service through GEZE Service

At our training centre, we offer our customers a comprehensive qualification programme for our automatic door systems. Participants can acquire an expert certificate for the commissioning of GEZE products.
In addition, we also offer seminars on standards and directives and how these are handled in practice.

To ensure long-term personal and operational safety, regular servicing of automatic door systems is essential. For this reason, we offer tailor-made service packages for regular service and qualified maintenance.

GEZE GmbH
Reinhold-Vöster-Straße 21-29
71229 Leonberg
Germany
Phone: +49 (0) 7152-203-0
Fax: +49 (0) 7152-203-310
E-mail: vertrieb.services.de@geze.com
www.geze.com

ID No. 153718 · Vers. EN 130321 · Subject to change without notice