



Oosterhout, Nederland

GEZE Slimdrive EMD/-F, F-IS, Invers

Electromechanical drive for hinged doors



BEWEGUNG MIT SYSTEM

Automation with soundless ease

The electromechanical drive GEZE Slimdrive EMD for swing doors is a system full of concentrated technology which – like all products in the Slimdrive range – manages to do its job with a construction height of only 7 cm.

The reliable operation of the drive is achieved with a maintenance-free high performance motor with low wear characteristics and state-of-the-art control technology. An intelligent communication is possible through the CAN interface. It also means simple wiring, for example when double doors, doors to draught-lobbies or lobby controls are involved.

Therefore, if functionality, efficiency and low-noise disturbance are requested, the Slimdrive EMD is the ideal product to be installed. The range of applications is extensive: facilities, office buildings, hotels and even hospitals or nursing homes are possible areas of application.

Further product options:

- ▶ **GEZE Slimdrive EMD-F**
Has received the approval for fire and smoke protection doors by the German Institution for Construction Technology (DIBt)^{*)}
- ▶ **GEZE Slimdrive EMD F-IS**
Containing an integrated closing sequence control for double-leaf swing doors and is suitable in particular for smoke and fire protection doors
- ▶ **GEZE Slimdrive EMD Invers**
Particularly well suitable for escape and rescue routes or smoke and heat extraction (RWA) installations

^{*)} Notice the admittance of the respective smoke and fire protection door.



GEZE Slimdrive EMD

Product features

- ▶ Slim construction height of just 70 mm
- ▶ Suitable also for large and heavy doors
- ▶ Installation possibilities: on hinge and opposite hinge side, as door leaf or transom mounting
- ▶ Certified according to DIN V 18650, as well as BGR 232
- ▶ Low Energy Function (DIN V 18650 resp. prEN 12650)
- ▶ Extremely quiet operation

Connection options

The Slimdrive EMD is easy to connect and can be controlled from all usual control elements.

- ▶ Suitable for all control elements such as e.g. buttons, key switches, radar or infrared movement sensors, radio/remote control etc.
- ▶ Separate input for internal and external sensors
- ▶ Safety sensors
- ▶ Emergency stop switch
- ▶ Programme switch or display programme switch
- ▶ Bolt switch contact
- ▶ Motorised lock
- ▶ All electrical door openers: AC or DC, static or current load (potential-free control)
- ▶ Power supply for electrical equipment (control elements, door opener etc.): 24 V DC, 1000 mA

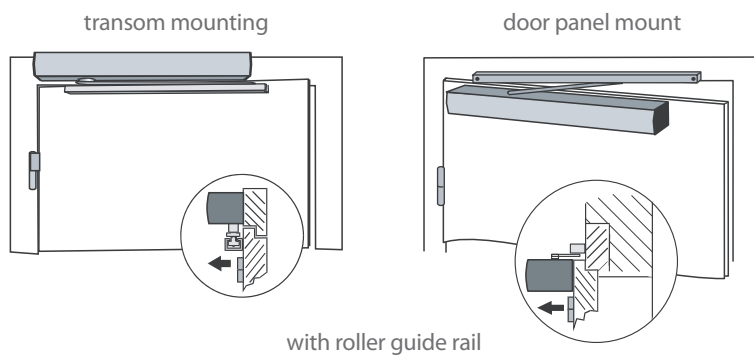
Technical characteristics	Slimdrive EMD / EMD -F
Drive dimensions	70 x 120 x 650 mm (height x depth x width)
Closing force	EN 3-6 (EMD-F only)
Mains connection	230 V AC, 50/60 Hz
Leaf width	max. 1400 mm
Leaf weight	max. 180 kg (EMD), max. 230 kg (EMD-F)
Door opening angle	adjustable, up to 110°
Opening and closing speed	adjustable
Electrical latching force	adjustable
Activation delay	adjustable, 0 to 60 seconds
Hold-open time	adjustable, 0 to 60 seconds
Opening and closing process	track controlled

Installation

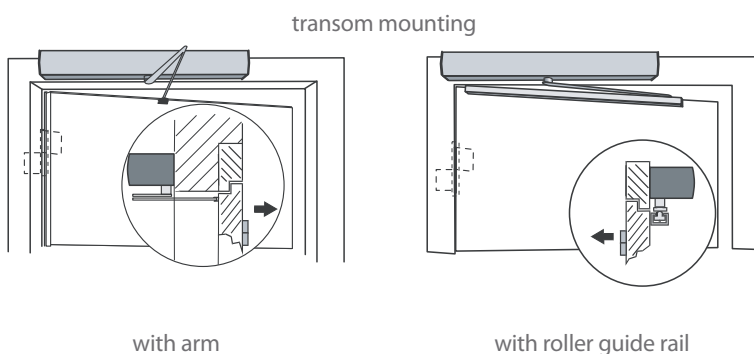
The same version can be used for all types of installation: left-hand and right-hand opening, mounting on the same as the opposite side of hinges

Mounting options

- ▶ on the hinge side:



- ▶ on the opposite side of the hinges:



Functions

- ▶ Operating modes: permanently open, automatic, shop closed, night function
- ▶ Low-energy operation according to prEN 12650
- ▶ Recognition of obstacles and reversing action
- ▶ Dynamic adjustment of hold-open time
- ▶ Diagnostic function and error memory. For example for monitoring the safety sensors
- ▶ Master-slave operation for double-leaf doors
- ▶ Self-learning; e.g. the connected sensors are automatically recognised
- ▶ All attitudes are feasible via the display programme switch



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