

Product data sheet

Slimdrive EMD-F



Electromechanical swing door drive for single leaf fire and
smoke protection doors



AREAS OF APPLICATION

- Fire and smoke protection doors
- Hold-open systems with integrated hold-open function – country-specific specifications must be observed
- Right and left single leaf single-action doors
- Single-action doors up to 1400 mm leaf width or 230 kg weight
- Interior and exterior doors with high access frequency
- Door leaf installation and transom installation

PRODUCT FEATURES

- Closing force with variable adjustment EN3-6
- Opening and closing speed can be individually adjusted
- Mechanical latching action when operated without current, and electrical latching action in regular operation, which accelerates the door shortly before the closed position
- Low-energy function opens and closes the door with reduced speed, fulfilling the highest safety requirements
- Servo function for motorized support when manually opening the door
- Obstacle detection detects obstacles through contact and stops the opening or closing process
- Automatic reversing detects an obstacle and returns to the opening position
- Push & Go function triggers the automatic drive components following light manual pressure on the door leaf
- Drive can be used with roller guide rail or link arm
- Smoke switch control unit can be connected, whose signal makes the door close automatically in the event of a fire

TECHNICAL DATA

Productname	Slimdrive EMD-F
Leaf weight (max.) 1-leaf	230 kg
Leaf width (min.-max.)	750 mm – 1400 mm
Reveal depth (max.)	400 mm
Door overlap (max.)	30 mm
Drive type	Electromechanical
Opening angle (max.)	130 °
DIN left	Yes
DIN right	Yes
Transom installation opposite hinge side with link arm	Yes
Transom installation opposite hinge side with roller guide rail	Yes

Transom installation hinge side with roller guide rail	Yes
Door leaf installation hinge side with roller guide rail	Yes
Mechanical latching action	Yes
Electrical latching action	Yes
Disconnection from mains	Cable plug connection
Activation delay (max.)	20 s
Operating voltage	230 V
Power rating	230 W
Power supply for external consumers (24 V DC)	1000 mA
Operating temperature	-15 °C - 50 °C
Air humidity non-condensing (max.)	95 %
IP rating	IP20
Mode of operation	Automatic, Permanently open, Night, Off, Shop closing
Automatic function	Yes
Low-energy function	Yes
Servo function	Yes
Obstacle detection	Yes
Automatic reversing	Yes
Push & Go	adjustable
Operation	Programme switch integrated in the drive, Programme switch DPS, Programme switch MPS
Parameter setting	ST 220 service terminal, Programme switch DPS, GEZEconnects (PC + Bluetooth)
Approvals	EN 16005, DIN 18650, DIN 18263-4
Suitability for fire protection doors	Yes

PART**LINK ARMS SLIMDRIVE EMD**

For transom installation on opposite hinge side for reveal depths of 0 - 400 mm



Name	Description	Ident-No.	Colour
Link arms Slimdrive EMD	for Slimdrive EMD / EMD-F, reveal depth 200-300 mm	144389	silver-coloured
Link arms Slimdrive EMD	for Slimdrive EMD / EMD-F, reveal depth 0-100 mm	144383	acc. to RAL
Link arms Slimdrive EMD	for Slimdrive EMD / EMD-F, reveal depth 0-100 mm	144381	silver-coloured
Link arms Slimdrive EMD	for Slimdrive EMD / EMD-F, reveal depth 200-300 mm	144391	acc. to RAL
Link arms Slimdrive EMD	for Slimdrive EMD / EMD-F, reveal depth 100-200 mm	144385	silver-coloured
Link arms Slimdrive EMD	for Slimdrive EMD / EMD-F, reveal depth 300-400 mm	144395	acc. to RAL
Link arms Slimdrive EMD	for Slimdrive EMD / EMD-F, reveal depth 0-100 mm	105307	acc. to RAL
Link arms Slimdrive EMD	for Slimdrive EMD / EMD-F, reveal depth 300-400 mm	144393	silver-coloured

MOUNTING PLATE SLIMDRIVE EMD, INCL. ACCESSORIES

For installing the drive on the frame or the door leaf



Name	Ident-No.	Colour
Mounting plate Slimdrive EMD, incl. accessories	108529	acc. to RAL
Mounting plate Slimdrive EMD, incl. accessories	108526	silver-coloured

ROLLER GUIDE RAIL SLIMDRIVE EMD / EMD-F / EMD INVERS

For transom installation on the hinge or opposite hinge side



Name	Description	Ident-No.	Colour	Length
Roller guide rail Slimdrive EMD	for transom installation (Slimdrive EMD Invers)	108053	acc. to RAL	760 mm
Roller guide rail Slimdrive EMD	for transom installation length 710 mm	108042	silver-coloured	710 mm
Roller guide rail Slimdrive EMD	for transom installation (Slimdrive EMD Invers)	108048	silver-coloured	760 mm
Roller guide rail Slimdrive EMD	for transom installation length 710 mm	108047	acc. to RAL	710 mm
Roller guide rail Slimdrive EMD	with deeper guide, for transom installation, length 710 mm, 30 x 30 mm	133242	silver-coloured	710 mm
Roller guide rail Slimdrive EMD	with deeper guide, for door leaf installation Slimdrive EMD, for for transom installation Slimdrive EMD Invers, length 760, 30 x 30 mm	133243	silver-coloured	760 mm

ROLLER GUIDE RAIL SLIMDRIVE EMD / EMD-F / EMD INVERS

For door leaf installation on the hinge side or opposite hinge side



Name	Description	Ident-No.	Colour	Length
Roller guide rail Slimdrive EMD	for door leaf installation (Slimdrive EMD-F / EMD Invers). DIN right, length 760 mm	106803	acc. to RAL	760 mm
Roller guide rail Slimdrive EMD	for door leaf installation (Slimdrive EMD-F / EMD Invers). DIN right, length 760 mm	106798	silver-coloured	760 mm
Roller guide rail Slimdrive EMD	for door leaf installation (Slimdrive EMD / EMD-F / Invers), left-hand (ISO 6)	106797	acc. to RAL	760 mm

Slimdrive EMD-F



Name	Description	Ident-No.	Colour	Length
Roller guide rail Slimdrive EMD	with deeper guide, for door leaf installation (Slimdrive EMD-F / EMD Invers), DIN right, length 760 mm, 30 x 30 mm	133245	silver-coloured	760 mm
Roller guide rail Slimdrive EMD	for door leaf installation (Slimdrive EMD / EMD-F / Invers), left-hand (ISO 6)	106742	silver-coloured	760 mm
Roller guide rail Slimdrive EMD	with deeper guide, for door leaf installation (Slimdrive EMD-F / EMD Invers), DIN left, length 760 mm, 30 x 30 mm	133244	silver-coloured	760 mm

ROLLER GUIDE RAIL SLIMDRIVE EMD / EMD-F

For transom installation on the opposite hinge side



Name	Description	Ident-No.	Colour	Length
Roller guide rail Slimdrive EMD	For transom installation opposite hinge side left hand	149941	acc. to RAL	710 mm
Roller guide rail Slimdrive EMD	For transom installation opposite hinge side left hand	149918	silver-coloured	710 mm
Roller guide rail Slimdrive EMD	For transom installation opposite hinge side right hand	149946	acc. to RAL	710 mm
Roller guide rail Slimdrive EMD	For transom installation opposite hinge side right hand	149942	silver-coloured	710 mm

SLIMDRIVE EMD-F

Electromechanical swing door drive for single leaf fire and smoke protection doors



Name	Description	Ident-No.	Supply voltage	Operating voltage	Leaf width (min.)
Slimdrive EMD-F	Electro-mechanical swing door drive for 1- and 2-leaf single-action doors and fire protection doors	107577	230 V	230 V	750 mm

Slimdrive EMD-F



COVER SLIMDRIVE EMD

For the Slimdrive EMD swing door drive



Name	Ident-No.	Colour
Cover Slimdrive EMD	106652	EV1
Cover Slimdrive EMD	106676	acc. to RAL

GC GR FOR GC 338 SLIMDRIVE EMD / EMD-F / INVERS

Sensor roller guide rail Slimdrive EMD for GC 338 sensor strip



Name	Description	Ident-No.	Colour	Length
GC GR for GC 338 Slimdrive EMD	For Slimdrive EMD-F-IS DIN left, transom installation opposite hinge side, with deeper guide, incl. lever and end caps	149953	EV1	1500 mm
GC GR for GC 338 Slimdrive EMD	For Slimdrive EMD-F-IS DIN right, transom installation opposite hinge side, with deeper guide, incl. lever and end caps	149962	acc. to RAL	1200 mm
GC GR for GC 338 Slimdrive EMD	For Slimdrive EMD-F-IS DIN left, transom installation opposite hinge side, with deeper guide, incl. lever and end caps	149956	acc. to RAL	1200 mm
GC GR for GC 338 Slimdrive EMD	for Slimdrive EMD/EMD-F, with lower guide, incl. lever and end caps	146206	EV1	1500 mm
GC GR for GC 338 Slimdrive EMD	for Slimdrive EMD/EMD-F, with lower guide, incl. lever and end caps	146209	acc. to RAL	1200 mm
GC GR for GC 338 Slimdrive EMD	For Slimdrive EMD-F-IS DIN left, transom installation opposite hinge side, with deeper guide, incl. lever and end caps	149952	EV1	1200 mm
GC GR for GC 338 Slimdrive EMD	For Slimdrive EMD-F-IS DIN left, transom installation opposite hinge side, with deeper guide, incl. lever and end caps	149957	acc. to RAL	1500 mm
GC GR for GC 338 Slimdrive EMD	For Slimdrive EMD-F-IS DIN right, transom installation opposite hinge side, with deeper guide, incl. lever and end caps	149958	EV1	1200 mm
GC GR for GC 338 Slimdrive EMD	For Slimdrive EMD-F-IS DIN right, transom installation opposite hinge side, with deeper guide, incl. lever and end caps	149963	acc. to RAL	1500 mm
GC GR for GC 338 Slimdrive EMD	for Slimdrive EMD/EMD-F, with lower guide, incl. lever and end caps	146210	acc. to RAL	1500 mm
GC GR for GC 338 Slimdrive EMD	For Slimdrive EMD-F-IS DIN right, transom installation opposite hinge side, with deeper guide, incl. lever and end caps	149959	EV1	1500 mm
GC GR for GC 338 Slimdrive EMD	for Slimdrive EMD/EMD-F, with lower guide, incl. lever and end caps	146205	EV1	1200 mm

ACCESSORY**SPINDLE EXTENSION SLIMDRIVE EMD**

Available length 26 mm



Name	Description	Ident-No.	Colour	Length
Spindle extension Slimdrive EMD	V = 26 mm	082922	white RAL 9016	26 mm
Spindle extension Slimdrive EMD	V = 26 mm	082920	dark bronze	26 mm
Spindle extension EMD	V = 26 mm	082923	acc. to RAL	26 mm
Spindle extension EMD	V = 26 mm	082919	silver-coloured	26 mm

COVER EXTENSION KIT SLIMDRIVE EMD

For the Slimdrive EMD swing door drive, including mounting plates and installation material



Name	Ident-No.
Intermediate cover kit Slimdrive EMD	122770

GC 342

Laser scanner for the protection of automatic swing doors and windows with integrated object and wall blanking



Name	Description	Ident-No.	Colour	Dimensions	Operating voltage
GC 342 (left module)	consisting of sensor module, cable and accessories	167433	white RAL 9016	143 x 86 x 40 mm	24 V
GC 342 (right module)	consisting of sensor module, cable and accessories	167435	black	143 x 86 x 40 mm	24 V
GC 342 (left module)	consisting of sensor module, cable and accessories	167434	stainless steel optic	143 x 86 x 40 mm	24 V
GC 342 (left module)	consisting of sensor module, cable and accessories	167432	black	143 x 86 x 40 mm	24 V
GC 342 Kit	comprising two sensors for securing the swivelling range of automatic swing doors in accordance with DIN 18650 / EN 16005	167439	white RAL 9016	143 x 86 x 40 mm	24 V
GC 342 (right module)	consisting of sensor module, cable and accessories	167437	stainless steel optic	143 x 86 x 40 mm	24 V

Name	Description	Ident-No.	Colour	Dimensions	Operating voltage
GC 342 Kit	comprising two sensors for securing the swivelling range of automatic swing doors in accordance with DIN 18650 / EN 16005	167438	black	143 x 86 x 40 mm	24 V
GC 342 (right module)	consisting of sensor module, cable and accessories	167436	white RAL 9016	143 x 86 x 40 mm	24 V
GC 342 Kit	comprising two sensors for securing the swivelling range of automatic swing doors in accordance with DIN 18650 / EN 16005	167440	stainless steel optic	143 x 86 x 40 mm	24 V

ADAPTOR FOR SENSOR LINK ARM

For mounting the link arm at the same height as the sensor strip



Name	Description	Ident-No.	Colour
Adaptor for sensor link arm	For Powerturn, EMD / EMD-F and TSA 160 NT	144352	silver-coloured
Adaptor for sensor link arm	For Powerturn, EMD / EMD-F and TSA 160 NT	153126	acc. to RAL

GC 335

Sensor strip with high safety standard for protecting automatic swing and revolving doors



Name	Description	Ident-No.	Colour	Dimensions	Output
GC 335 Sensor strip 1400 mm	Securing the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	128071	acc. to RAL	1400 x 42 x 37 mm	Potential-free relay contact
GC 335 Sensor strip 310 mm	Securing the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	129856	EV1	310 x 42 x 37 mm	Potential-free relay contact
GC 335 Sensor strip 310 mm	Securing the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	129858	white RAL 9016	310 x 42 x 37 mm	Potential-free relay contact
GC 335 Sensor strip 1400 mm	Securing the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	128060	white RAL 9016	1400 x 42 x 37 mm	Potential-free relay contact
GC 335 Sensor strip 900 mm	Securing the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	128056	white RAL 9016	900 x 42 x 37 mm	Potential-free relay contact

Name	Description	Ident-No.	Colour	Dimensions	Output
GC 335 Sensor strip 900 mm	Securing the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	128057	acc. to RAL	900 x 42 x 37 mm	Potential-free relay contact
GC 335 Sensor strip 1400 mm	Securing the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	128058	EV1	1400 x 42 x 37 mm	Potential-free relay contact
GC 335 Sensor strip 310 mm	Securing the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	129859	acc. to RAL	310 x 42 x 37 mm	Potential-free relay contact
GC 335 Sensor strip 900 mm	Securing the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	128054	EV1	900 x 42 x 37 mm	Potential-free relay contact

GC 338

Sensor strip with standby mode for the protection of automatic swing and revolving doors



Name	Description	Ident-No.	Colour	Output	Operating voltage
GC 338 Pair of sensor strips 1200 mm	comprising two complete sensor strips for protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	142825	acc. to RAL	Electrical relay	24 V
GC 338 Pair of sensor strips 1500 mm	comprising two complete sensor strips for protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	142827	acc. to RAL	Potential-free relay contact	24 V
GC 338 Pair of sensor strips 1500 mm	comprising two complete sensor strips for protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	142757	EV1	Electrical relay	24 V
GC 338 Pair of sensor strips 1200 mm	comprising two complete sensor strips for protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	142219	EV1	Electrical relay	24 V
GC 338 Pair of sensor strips 1200 mm	comprising two complete sensor strips for protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	142826	white RAL 9016	Electrical relay	24 V
GC 338 Pair of sensor strips 1500 mm	comprising two complete sensor strips for protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	142828	white RAL 9016	Potential-free relay contact	24 V

ELBOW SWITCH

Plastic elbow switch, IP rating IP30, for activation of automatic doors



Name	Description	Ident-No.	Colour	Dimensions	Type of installation
GEZE plastic elbow switch	Very flat design, IP rating IP30	114077	stainless steel optic	90 x 180 x 23 mm	Surface-mounted installation
GEZE plastic elbow switch	Very flat design, IP rating IP30	114078	white	90 x 180 x 23 mm	Surface-mounted installation

LS990 ELBOW SWITCH

Elbow switch for activating automatic doors



Name	Description	Ident-No.	Colour	Dimensions	Type of installation
LS 990 elbow switch	IP rating IP30 H=223mm	128583	Stainless steel	81 x 223 x 18 mm	Flush-mounted installation
LS 990 elbow switch	IP rating IP30 H=223mm	128582	Stainless steel	81 x 223 x 51 mm	Surface-mounted installation
LS 990 elbow switch	IP rating IP30 H=223mm	141041	alpine white	81 x 223 x 51 mm	Surface-mounted installation
LS 990 elbow switch	IP rating IP30 H=223mm	141042	alpine white	81 x 223 x 18 mm	Flush-mounted installation

LED SENSOR SWITCH

Switch for activating automatic doors



Name	Description	Ident-No.	Colour	Dimensions	Length
LED sensor switch	Capacitive push button with blue LED lighting and haptic Braille lettering for activating automatic door systems. Protection rating IP69K	137529	black	100 x 100 x 10 mm	100 mm
LED sensor switch glass	Capacitive push button with blue LED lighting for activating automatic door systems. Protection rating IP69K	143412	white	100 x 100 x 8 mm	100 mm

RESET BUTTON CABLE HARNESS

Reset button for fire alarm event for Powerturn F / EMD-F



Name	Ident-No.	Length
Reset button cable harness 200mm	180408	200 mm
Cable harness reset button 540 mm (EMD-F)	180409	540 mm
Cable harness reset button 1360 mm (EMD-F)	185843	1360 mm

PROGRAMME SWITCHES

For the Slimdrive EMD swing door drive



Name	Description	Ident-No.
Programme switch (EMD/EMD-F/EMD Invers)	Length 1360 mm, incl. accessories	180200
Programme switch (EMD/EMD-F/EMD Invers)	Length 640 mm, incl. accessories	110198

INTEGRATED OPENING RESTRICTOR

For limiting the opening angle



Name	Description	Ident-No.
Integrated opening restrictor	for sensor roller guide rail GC GR and roller guide rail with deep guide (TSA 160 NT and Slimdrive EMD)	181495
Integrated opening restrictor	which can be easily integrated into the roller guide rails of the TSA 160 NT and Slimdrive EMD	167272

GC 304

Radar movement detector with individual adjustment option for activating automatic doors



Name	Description	Ident-No.	Colour	Dimensions	Output
GC 304 R Radar movement detector	Activation of all GEZE automatic doors	130651	black	120 x 80 x 50 mm	Electrical relay

GC 306

Non-contact proximity switch for activating automatic doors



Name	Description	Ident-No.	Colour	Operating voltage	Length
GC 306 (with hand pictogram)	Proximity switch to activate automatic doors	163028	alpine white	24 V DC	84 mm
GC 306 (with GEZE pictogram)	Proximity switch to activate automatic doors	163029	alpine white	24 V DC	84 mm

USB PROGRAMMABLE ADAPTER

Name	Description	Ident-No.
USB programmable adapter	Transfer of firmware from the PC to the control unit (DCU); 3m cable length / Drivers, the control-specific programming software and DCU firmware files can be downloaded via the customer portal (compulsory registration). / Firmware updates on GEZE drives may only be carried out by experts authorised by the manufacturer (GEZE) in accordance with DIN 18650/EN 16005	130829