

Product data sheet

Slimdrive EMD F-IS swing door drive system *



Electromechanical swing door system for double leaf fire and smoke protection doors with closing sequence control

AREAS OF APPLICATION

- Fire and smoke protection doors
- Right and left double leaf single-action doors
- Single-action doors up to 2800 mm hinge clearance, 1400 mm leaf width and 230 kg weight
- Minimum hinge clearance 1500 mm, minimum leaf width 750 mm
- Interior and exterior doors that must close in the correct sequence even without power
- Transom installation hinge and opposite hinge side

Slimdrive EMD F-IS swing door drive system *



PRODUCT FEATURES

- Closing force with variable adjustment of EN 4-6
- 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
- Mechanical and electrical closing sequence control holds the active leaf in the waiting position until the passive leaf is closed
- Low-energy function opens and closes the door with reduced speed, fulfilling the highest safety demands
- Servo function for motorized support when manually opening the door
- Vestibule function controls the opening and closing of two consecutive doors (interlocking door system)
- Obstacle detection detects an object 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 following light manual pressure on the door leaf
- Drive can be used with roller guide rail or link arm

TECHNICAL DATA

Productname	Slimdrive EMD F-IS swing door drive system *
Height	70 mm
Depth	121 mm
Leaf weight (max.) 1-leaf	230 kg
Distance centre door hinge-drive axis (min.-max.) 2-leaf	1500 mm - 2800 mm
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 °
Spring pre-load	EN 4 - EN 6
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
Mechanical latching action	Yes
Electrical latching action	Yes
Electrical closing sequence control	Yes
Mechanical closing sequence control	Yes
Disconnection from mains	Main switch in the drive
Activation delay (max.)	20 s
Operating voltage	230 V

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Power rating	230 W
Power supply for external consumers (24 V DC)	1000 mA
Service temperature	-15 - 50 °C
IP rating	IP20
Mode of operation	Off, Automatic, Permanently open, Shop closing, Night
Type of function	Fully automatic
Automatic function	Yes
Low-energy function	Yes
function smart swing	No
Servo function	Yes
Key function	Yes
Vestibule function	Yes
Obstacle detection	Yes
Automatic reversing	Yes
Push & Go	adjustable
Operation	Programme switch DPS, Programme switch integrated in the drive
Parameter setting	GEZEconnects (PC + Bluetooth), Service terminal ST 220, Programme switch DPS
Standard conformity	DIN 18263-4, DIN 18650, EN 1158:1997/A1:2002/AC:2006, EN 16005
Suitability for fire protection doors	Yes
Smoke switch integrated	No

PART

COVER EXTENSION KIT SLIMDRIVE EMD *

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



Designation	Ident-No.	Dimensions
Cover extension kit Slimdrive EMD *	122781	
Cover extension kit Slimdrive EMD *	199034	200 mm

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LINK ARM SLIMDRIVE EMD

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



Designation	Description	Ident-No.	Colour
Link arm Slimdrive EMD *	for Slimdrive EMD / EMD-F, reveal depth 200-300 mm	144389	silver-coloured
Link arm Slimdrive EMD *	for Slimdrive EMD / EMD-F, reveal depth 0-100 mm	144383	according to RAL
Link arm Slimdrive EMD	for Slimdrive EMD / EMD-F, reveal depth 0-100 mm	144381	silver-coloured
Link arm Slimdrive EMD *	for Slimdrive EMD / EMD-F, reveal depth 200-300 mm	144391	according to RAL
Link arm Slimdrive EMD *	for Slimdrive EMD / EMD-F, reveal depth 100-200 mm	144387	according to RAL
Link arm Slimdrive EMD *	for Slimdrive EMD / EMD-F, reveal depth 100-200 mm	144385	silver-coloured
Link arm Slimdrive EMD *	for Slimdrive EMD / EMD-F, reveal depth 300-400 mm	144395	according to RAL
Link arm 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



Designation	Ident-No.	Colour	Dimensions
Mounting plate Slimdrive EMD, incl. accessories *	108529	according to RAL	650 x 70 mm
Mounting plate Slimdrive EMD, incl. accessories *	108526	silver-coloured	650 x 70 mm

EMD RAIL WITH SCREW-IN BOLTS *

configurable, with C-profile and screwable roller bolt



Designation	Description	Ident-No.	Colour
Roller guide rail Slimdrive EMD *	configurable, with C-profile and screwable roller bolt	195327	EV1

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

For transom installation on the hinge or opposite hinge side



Designation	Description	Ident-No.	Colour	Dimensions	Type of installation
Roller guide rail Slimdrive EMD	for transom installation (Slimdrive EMD Invers)	108053	according to RAL	760 x 20 mm	Transom installation
Roller guide rail Slimdrive EMD	for transom installation hinge side (Slimdrive EMD / EMD-F)	108042	silver-coloured	710 x 20 mm	Transom installation hinge side
Roller guide rail Slimdrive EMD	for transom installation (Slimdrive EMD Invers)	108048	silver-coloured	760 x 20 mm	Transom installation
Roller guide rail Slimdrive EMD *	for transom installation hinge side (Slimdrive EMD / EMD-F)	108047	according to RAL	710 x 20 mm	Transom installation hinge side
Roller guide rail Slimdrive EMD *	with deeper guide, for transom installation (Slimdrive EMD / EMD-F), 30 x 30 mm	133242	silver-coloured	710 x 20 mm	Transom installation hinge side
Roller guide rail Slimdrive EMD *	with deeper guide, for transom installation (Slimdrive EMD Invers), 30 x 30 mm	133243	silver-coloured	760 x 20 mm	Transom installation hinge side

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

for door leaf installation on the hinge side



Designation	Description	Ident-No.	Colour	Dimensions	Type of installation
Roller guide rail Slimdrive EMD	for door leaf installation (Slimdrive EMD-F / EMD Invers). DIN right, length 760 mm	106803	according to RAL	760 x 20 mm	Door leaf installation, DIN right
Roller guide rail Slimdrive EMD	for door leaf installation (Slimdrive EMD-F / EMD Invers). DIN right, length 760 mm	106798	silver-coloured	760 x 20 mm	Door leaf installation, DIN right
Roller guide rail Slimdrive EMD	for door leaf installation (Slimdrive EMD / EMD-F / Invers), left-hand (ISO 6)	106797	according to RAL	760 x 20 mm	Door leaf installation, DIN left
Roller guide rail Slimdrive EMD *	with deeper guide, for door leaf installation (Slimdrive EMD-F / Invers), DIN Rechts, 30 x 30 mm	133245	silver-coloured	760 x 20 mm	Door leaf installation
Roller guide rail Slimdrive EMD *	for door leaf installation (Slimdrive EMD / EMD-F / Invers), left-hand (ISO 6)	106742	silver-coloured	760 x 20 mm	Door leaf installation, DIN left
Roller guide rail Slimdrive EMD *	with deeper guide, for door leaf installation (Slimdrive EMD / EMD-F / Invers), DIN Links, 30 x 30 mm	133244	silver-coloured	760 x 20 mm	Door leaf installation

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ROLLER GUIDE RAIL SLIMDRIVE EMD / EMD-F

For transom installation on the opposite hinge side



Designation	Description	Ident-No.	Colour	Dimensions	Type of installation
Roller guide rail Slimdrive EMD	for transom installation opposite hinge side (Slimdrive EMD / EMD-F), DIN left	149941	according to RAL	710 mm	Transom installation opposite hinge side, DIN left
Roller guide rail Slimdrive EMD	for transom installation opposite hinge side (Slimdrive EMD / EMD-F), DIN left	149918	silver-coloured	710 mm	Transom installation opposite hinge side, DIN left
Roller guide rail Slimdrive EMD	for transom installation opposite hinge side (Slimdrive EMD / EMD-F), DIN right	149946	according to RAL	710 mm	Transom installation opposite hinge side, DIN right
Roller guide rail Slimdrive EMD	for transom installation opposite hinge side (Slimdrive EMD / EMD-F), DIN right	149942	silver-coloured	710 mm	Transom installation opposite hinge side, DIN right

COVER SLIMDRIVE EMD

For the Slimdrive EMD swing door drive



Designation	Ident-No.	Colour
Cover Slimdrive EMD *	106652	EV1
Cover Slimdrive EMD *	106676	according to RAL

CONNECTOR PLUG POWERTURN / EMD 230 V

230 V connection and GEZE logo for the Powerturn / EMD



Designation	Description	Ident-No.	Colour
Connection Powerturn / EMD 230 V	Connector plug Powerturn / EMD	156890	black

Slimdrive EMD F-IS swing door drive system *



SLIMDRIVE EMD-F-IS DRIVE UNIT *

Electro-mechanical swing door drive for 2-leaf single-action doors and fire protection doors with integrated sequence control



Designation	Description	Ident-No.	Supply voltage	Dimensions	Operating voltage
Slimdrive EMD-F-IS drive unit *	Active leaf transom installation hinge side	120652	230 V	650 x 70 x 121 mm	230 V
Slimdrive EMD-F-IS drive unit *	Active leaf transom installation opposite hinge side	120654	230 V	650 x 70 x 121 mm	230 V
Slimdrive EMD-F-IS drive unit *	Passive leaf transom installation opposite hinge side	120655	230 V	650 x 70 x 121 mm	230 V
Slimdrive EMD-F-IS drive unit *	Passive leaf transom installation hinge side	120653	230 V	650 x 70 x 121 mm	230 V

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

Sensor roller guide rail Slimdrive EMD for GC 338 sensor strip



Designation	Description	Ident-No.	Colour	Dimensions	Type of installation
GC GR for GC 338 Slimdrive EMD *	DIN right, with deep guide, transom installation opposite hinge side (Slimdrive EMD-F / Invers), incl. lever and end caps	149962	according to RAL	1200 mm	DIN right, Transom installation opposite hinge side
GC GR for GC 338 Slimdrive EMD *	DIN left, with deep guide, transom installation opposite hinge side (Slimdrive EMD-F / Invers), incl. lever and end caps	149956	according to RAL	1200 mm	DIN left, Transom installation opposite hinge side
GC GR for GC 338 Slimdrive EMD *	with deep guide, for transom installation hinge side (Slimdrive EMD / EMD-F) (Slimdrive EMD / EMD-F / Invers), incl. lever and end caps	146206	EV1	1500 mm	Transom installation hinge side
GC GR for GC 338 Slimdrive EMD *	with deep guide, for transom installation hinge side (Slimdrive EMD / EMD-F) (Slimdrive EMD / EMD-F / Invers), incl. lever and end caps	146209	according to RAL	1200 mm	Transom installation hinge side
GC GR for GC 338 Slimdrive EMD *	DIN left, with deep guide, transom installation opposite hinge side (Slimdrive EMD-F / Invers), incl. lever and end caps	149952	EV1	1200 mm	DIN left, Transom installation opposite hinge side
GC GR for GC 338 Slimdrive EMD *	DIN right, with deep guide, transom installation opposite hinge side (Slimdrive EMD-F / Invers), incl. lever and end caps	149958	EV1	1200 mm	DIN right, Transom installation opposite hinge side
GC GR for GC 338 Slimdrive EMD *	with deep guide, for transom installation hinge side (Slimdrive EMD / EMD-F) (Slimdrive EMD / EMD-F / Invers), incl. lever and end caps	146210	according to RAL	1500 mm	Transom installation hinge side
GC GR for GC 338 Slimdrive EMD *	DIN right, with deep guide, transom installation opposite hinge side (Slimdrive EMD-F / Invers), incl. lever and end caps	149959	EV1	1500 mm	DIN right, Transom installation opposite hinge side

Slimdrive EMD F-IS swing door drive system *



Designation	Description	Ident-No.	Colour	Dimensions	Type of installation
GC GR for GC 338 Slimdrive EMD *	with deep guide, for transom installation hinge side (Slimdrive EMD / EMD-F) (Slimdrive EMD / EMD-F / Invers), incl. lever and end caps	146205	EV1	1200 mm	Transom installation hinge side

CONNECTOR PLUG EMD 2-LEAF 230 V *

230V plug for connecting a second drive in double leaf Slimdrive EMD swing door systems



Designation	Description	Ident-No.	Colour
Connector plug EMD 2-leaf 230 V *	230V plug for connecting a second drive in double leaf Slimdrive EMD swing door systems	199594	black

ACCESSORIES

RESET BUTTON CABLE HARNESS *

Fire alarm acknowledgement button for EMD-F



Designation	Ident-No.	Dimensions
Cable harness reset button 540 mm (EMD-F) *	180409	540 mm
Cable harness reset button 1360 mm (EMD-F) *	185843	1360 mm

SPINDLE EXTENSION SLIMDRIVE EMD

Available length 26 mm



Designation	Description	Ident-No.	Colour	Dimensions
Spindle extension Slimdrive EMD	V = 26 mm	082922	white RAL 9016	26 x 26 mm
Spindle extension Slimdrive EMD	V = 26 mm	082920	dark bronze	26 x 26 mm
Spindle extension EMD *	V = 26 mm	082923	according to RAL	26 x 26 mm
Spindle extension EMD	V = 26 mm	082919	silver-coloured	26 x 26 mm

Slimdrive EMD F-IS swing door drive system *



CB FLEX

Carry bar for safe closing of double leaf fire protection doors



Designation	Description	Ident-No.	Colour	Material
GEZE CB flex	for use on all 2-leaf rebated doors. Concealed length adjustment with variable adjustment up to 210 mm leaf protrusion, hinged mechanism not visible, profile can be shortened if necessary, with attachment material	182652	white RAL 9016	
GEZE CB flex	for use on all 2-leaf rebated doors. Concealed length adjustment with variable adjustment up to 210 mm leaf protrusion, hinged mechanism not visible, profile can be shortened if necessary, with attachment material	153602	silver-coloured	
GEZE CB flex	for use on all 2-leaf rebated doors. Concealed length adjustment with variable adjustment up to 210 mm leaf protrusion, hinged mechanism not visible, profile can be shortened if necessary, with attachment material	153728	according to RAL	

DOOR TRANSMISSION CABLE SLIMDRIVE EMD *

For door leaf installation



Designation	Ident-No.	Dimensions
Door transmission cable Slimdrive EMD *	114980	600 mm

PROGRAMME SWITCHES *

For the Slimdrive EMD swing door drive



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

Slimdrive EMD F-IS swing door drive system *



CONNECTOR PLUG EMD 2-LEAF 230 V *

230V plug for connecting a second drive in double leaf Slimdrive EMD swing door systems



Designation	Description	Ident-No.	Colour
Connector plug EMD 2-leaf 230 V *	230V plug for connecting a second drive in double leaf Slimdrive EMD swing door systems	199594	black

INSTALLATION MATERIAL

MOUNTING PLATE SLIMDRIVE EMD DOUBLE LEAF *

For installing the drive on the frame



Designation	Ident-No.	Dimensions	Material
Mounting plate Slimdrive EMD double leaf *	115095	70 mm	Aluminum

* The products designated above may vary in form, type, characteristics, function, or availability depending on the country. Please get in touch with your GEZE contact person if you have any questions.