Product data sheet

Slimdrive EMD 1-leaf swing door drive system



Electromechanical swing door drive system for single leaf single-action doors

AREAS OF APPLICATION

- Single-action, single leaf, right and left closing doors
- Single-action doors up to 1400 mm leaf width and 180 kg weight
- Interior and exterior doors with high access frequency
- Door leaf installation and transom installation

Slimdrive EMD 1-leaf swing door drive system

PRODUCT FEATURES

- Opening and closing speed can be individually adjusted
- Electrical latching action which accelerates the door shortly before the closed position
- Low-energy function opens and closes the door with reduced speed, fulfilling the highest safety demands
- 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 1-leaf swing door drive system
Height	70 mm
Depth	121 mm
Leaf weight (max.) 1-leaf	180 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 °
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
Electrical latching action	Yes
Electrical closing sequence control	Yes
Disconnection from mains	Main switch in the drive
Activation delay (max.)	20 s
Operating voltage	230 V
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

Slimdrive EMD 1-leaf swing door drive system

Automatic function	Yes
Low-energy function	Yes
function smart swing	No
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
CAN Bus interface optional	Yes
Standard conformity	DIN 18650. EN 16005
Smoke switch integrated	No

VARIANTS / ORDER INFO

Designation	Description	Ident-No.	Supply voltage	Dimensions	Operating voltage
Slimdrive EMD 1-leaf swing door drive system	Electromechanical swing door drive system for single leaf single-action doors	117855	230 V	70 x 121 mm	230 V

PART

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

Slimdrive EMD 1-leaf swing door drive system

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

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

Slimdrive EMD 1-leaf swing door drive system

Designation	Description	Ident-No.	Colour	Dimensions	Type of installation
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

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

Slimdrive EMD 1-leaf swing door drive system

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 DRIVE UNIT

Electromechanical swing door drive with only 7 cm height for single leaf doors up to 180 kg



Designation	Description	Ident-No.	Supply voltage	Dimensions	Operating voltage
Slimdrive EMD drive unit	Electro-mechanical swing door drive for 1- and 2-leaf single-action doors	107576	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

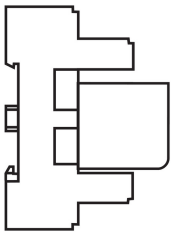
Slimdrive EMD 1-leaf swing door drive system

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	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
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

ACCESSORIES

RELAY UNIT

with top hat rail for direct fastening in the drive, 4 change-over contacts, current consumption approx. 25 mA at 24 V DC



Designation	Description	Ident-No.	Dimensions
Relay unit 24 V DC	with top hat rail for direct fastening in the drive, 4 change-over contacts, current consumption approx. 25 mA at 24 V DC / for connection to the programmable outputs of DCU control units and door control units to switch larger electrical loads	024542	59.5 x 70 x 67.5 mm

COVER PROFILE SLIMDRIVE EMD

Designation	Ident-No.	Colour	Dimensions
Cover profile Slimdrive EMD	103966	EV1	6000 x 70 mm

Slimdrive EMD 1-leaf swing door drive system

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

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	
EXTENSION SET EMD 1-LEAF (199034) *	199034	200 mm

DOOR TRANSMISSION CABLE SLIMDRIVE EMD *

For door leaf installation



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

Slimdrive EMD 1-leaf swing door drive system

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

INSTALLATION MATERIAL

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

* 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.