

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
- Single-action, single leaf, right and left closing 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 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
- 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
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	EN4 - EN6
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
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

Slimdrive EMD-F



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
Standard conformity	DIN 18263-4, DIN 18650, EN 16005
Suitability for fire protection doors	Yes
Smoke switch integrated	No

VARIANTS / ORDER INFO

Designation	Description	Ident-No.	Supply voltage	Dimensions	Operating voltage
Slimdrive EMD-F	Electro-mechanical swing door drive for 1- and 2-leaf single-action doors and fire protection doors	107577	230 V	650 x 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

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

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, length 710 mm, 30 x 30 mm	133242	silver-coloured	710 x 20 mm	Transom installation hinge side
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 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 / EMD Invers), DIN right, length 760 mm, 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-F / EMD Invers), DIN left, length 760 mm, 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

ACCESSORIES**GC 342**

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



Designation	Description	Ident-No.	Colour	Dimensions	Output
GC 342 (left module)	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167433	white	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 (right module)	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167435	black	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 (left module)	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167434	stainless steel colour	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 (left module)	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167432	black	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 Kit	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of two sensor modules, cable and accessories	167439	white	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 (right module)	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167437	stainless steel colour	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 Kit	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of two sensor modules, cable and accessories	167438	black	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 (right module)	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167436	white	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 Kit	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of two sensor modules, cable and accessories	167440	stainless steel colour	143 x 86 x 40 mm	2 potential-free relay contacts

RESET BUTTON CABLE HARNESS *

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



Designation	Ident-No.	Dimensions
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

* 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.