

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
Hinge clearance (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

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), ST 220 service terminal
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	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

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

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Designation	Description	Ident- No.	Colour	Dimension s	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	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