Product data sheet

Slimdrive EMD-F-IS

Electro-mechanical swing door drive system for 2-leaf fire and smoke protection doors with closing sequence control

Product features

Closing force with variable adjustment from 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
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 requirements
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 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

Application Areas

Fire and smoke protection doors
Double leaf right and left 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

Product Data Table

Product features	Slimdrive EMD-F-IS
Leaf weight (max.) 1-leaf	230 kg
Hinge size (min.-max.) 2-leaf, link arm	1500 mm - 2800 mm
Hinge size (min.-max.) 2-leaf, roller guide rail	1700 mm - 2800 mm
Leaf width (min.-max.)	750 mm - 1400 mm
Reveal depth (max.)*	400 mm
Door overlap (max.)*	50 mm
Drive type	Electromechanical
Door opening angle (max.)*	135 °
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	Cable plug connection
Activation delay (max.)	20 s
Operating voltage	230 V
Frequency of supply voltage	50 Hz
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
Modes of operation	Automatic, Permanently open, Night, Off, Shop closing
Automatic function	Yes
Low-energy 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, Door closing sequence selector tested in accordance with EN 1158
For fire resistance doors	Yes

Accessory

Product name
Spindle extension Slimdrive EMD
Slimdrive EMD Anbausatz
Adaptor for sensor link arm
GC 335
GC 338

Product name
GC 342

Part

Product name
Link arms Slimdrive EMD
Mounting plate Slimdrive EMD two leaf
Mounting plate Slimdrive EMD, incl. accessories
Roller guide rail Slimdrive EMD / EMD-F / EMD Invers
Roller guide rail Slimdrive EMD / EMD-F / EMD Invers
Roller guide rail Slimdrive EMD / EMD-F
Slimdrive EMD-F-IS
Cover Slimdrive EMD
GC GR for GC 338 Slimdrive EMD / EMD-F / Invers