

Product data sheet

Powerturn 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 1600 mm leaf width or 600 kg weight
- Minimum leaf width 800 mm
- Interior and exterior doors with high access frequency
- Door leaf installation and transom installation



PRODUCT FEATURES

- Smart swing function for easy manual door opening
- Closing force of EN4-7 with variable adjustment
- 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
- 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
- Servo function for motorized support when manually opening the door
- Optional radio reception board for wireless activation by radio transmitter

TECHNICAL DATA

Productname	Powerturn F
Height	70 mm
Width	720 mm
Depth	130 mm
Leaf weight (max.) 1-leaf	600 kg
Hinge clearance (min.-max.) 2-leaf, link arm	1600 mm - 3200 mm
Hinge clearance (min.-max.) 2-leaf, roller guide rail	1600 mm - 2800 mm
Leaf width (min.-max.)	800 mm - 1600 mm
Reveal depth (max.)	300 mm
Drive type	Electromechanical
Opening angle (max.)	136 °
Spring pre-load	EN4 - EN7
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 opposite hinge side with roller guide rail	Yes
Door leaf installation hinge side with roller guide rail	Yes
Door leaf installation hinge side with link arm	Yes
Mechanical latching action	Yes
Electrical latching action	Yes

Powerturn F



Electrical closing sequence control	Yes
Mechanical closing sequence control	Yes
Disconnection from mains	Main switch in the drive
Activation delay (max.)	10 s
Operating voltage	230 V
Power rating	200 W
Power supply for external consumers (24 V DC)	1200 mA
Service temperature	-15 - 50 °C
IP rating	IP30
Mode of operation	Automatic, Night, Permanently open, Shop closing, Off
Type of function	Fully automatic
Automatic function	Yes
Low-energy function	Yes
function smart swing	Yes
Key function	Yes
Vestibule function	Yes
Obstacle detection	Yes
Automatic reversing	Yes
Push & Go	adjustable
Operation	GEZEconnects (PC + Bluetooth), ST 220 service terminal, Programme switch DPS
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
Use on fire and smoke protection doors (F-variant)	Yes

VARIANTS / ORDER INFO

Designation	Description	Ident-No.	Supply voltage	Dimensions	Operating voltage
Powerturn F	Electromechanical swing door drive for 1- and 2-leaf single-action doors and fire protection doors (for 2-leaf fire protection doors in accordance with DIN EN 1158 installation kit IS mechanism available separately).	155162	230 V	720 x 70 x 130 mm	230 V