

Product data sheet

Powerturn F/R-IS

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



Product features

Smart swing function for easy manual door opening
Closing force of EN4-7 with variable adjustment
Integrated smoke switch control unit, whose signal closes the door automatically in the event of a fire
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
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
Servo function for motorized support when manually opening the door
Optional radio board for wireless activation by radio transmitter

Application Areas

Fire and smoke protection doors
Double leaf right and left single-action doors
Single-action doors up to 3200 mm hinge clearance, 1600 mm leaf width and 600 kg weight
Minimum hinge clearance 1.720 mm
Interior and exterior doors with high access frequency
Transom installation hinge and opposite hinge side

Product Data Table

Product features	Powerturn F/R-IS
Hinge size (min.-max.) 2-leaf, link arm	1720 cm - 3200 cm
Hinge size (min.-max.) 2-leaf, roller guide rail	2800 cm - 1720 cm
Reveal depth (max.)*	300 mm
Door opening angle (max.)*	136 °
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	Main switch in the drive
Power supply for external consumers (24 V DC)	1.2 A
Modes of operation	Automatic, Off, Permanently open, Shop closing, Night
Automatic function	Yes
Low-energy function	Yes
function smart swing	Yes
Servo function	Yes
Obstacle detection	Yes
Automatic reversing	Yes
Push & Go	adjustable
Operation	Programme switch DPS, Programme switch integrated in the drive, Programme switch MPS
For fire resistance doors	Yes
Integrated smoke switch	Yes

Accessory

Product name
Powerturn 230 V T-distributor
GC 338
GC 342
Integrated opening restrictor
Spindle extension Powerturn
Adaptor for sensor link arm

Part

Product name
GEZE Powerturn F/R-IS
Link arms Powerturn / Powerturn F
Cover Powerturn
Powerturn / Powerturn F roller guide rail
Connection - 230 V
Installation kit for mechanism for integrated closing sequence control
GC GR for GC 338 Powerturn