

# Product data sheet

## Powerturn F/R-IS/TS

Semi-automatic system with swing door drive on active leaf and door closer on passive leaf for fire and smoke protection doors with 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 automatic unit 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 with hinge clearance up to 3200 mm with link arm installation
Single-action doors with hinge clearance up to 3000 mm with roller guide rail installation
Minimum hinge clearance 1270 mm, minimum width of the passive leaf 470 mm (depending on the type of installation)
Interior and exterior doors with high access frequency
Transom installation hinge and opposite hinge side
Symmetrical and asymmetrical door division possible

### Product Data Table

Product features	Powerturn F/R-IS/TS
Reveal depth (max.)*	160 mm
DIN left	Yes
DIN right	Yes
Transom installation opposite hinge side with link arm	Yes

Transom installation hinge side with roller guide rail	Yes
Mechanical latching action	Yes
Electrical latching action	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  
 Adaptor for sensor link arm

### Part

#### Product name

GC GR for GC 338 Powerturn  
 Powerturn IS/TS passive leaf  
 Link arms Powerturn / Powerturn F  
 Cover Powerturn  
 Powerturn / Powerturn F roller guide rail  
 Connection - 230 V  
 Link arms TS 4000/2000  
 Installation kit for mechanism for integrated closing sequence control

**Product name**

GEZE Powerturn F/R

Guide rail TS 3/5000 vertically adjustable