

Product data sheet

Powerturn F-IS/TS



Semi-automated system with swing door drive on the active leaf and door closer on the passive leaf for fire and smoke protection doors



AREAS OF APPLICATION

- Fire and smoke protection doors
- Right and left double leaf single-action doors
- Single-action doors up to 3200 mm hinge clearance with link arm installation
- Single-action doors up to 2800 mm hinge clearance 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
- Symmetrical and asymmetrical division of door possible
- Transom installation hinge and opposite hinge side
- Hold-open systems with integrated hold-open function – country-specific specifications must be observed

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 automatic unit latching action in regular operation, which accelerates the door shortly before it is closed
- 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 demands
- 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 board for wireless activation by radio transmitter
- Smoke switch control unit can be connected, whose signal makes the door close automatically in the event of a fire

TECHNICAL DATA

Productname	Powerturn F-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
Mode 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
Suitability for fire protection doors	Yes

PART

GC GR FOR GC 338

Sensor roller guide rail Powerturn for GC 338 sensor strip



Name	Description	Ident-No.	Colour	Length
GC GR for GC 338 Powerturn	For Powerturn / Powerturn F, installation on the hinge side, lever length 330 mm	157451	acc. to RAL	1200 mm
GC GR for GC 338 Powerturn	For Powerturn / Powerturn F, installation on the opposite hinge side, lever length 450 mm	157476	EV1	1500 mm
GC GR for GC 338 Powerturn	For Powerturn / Powerturn F, installation on the opposite hinge side, lever length 450 mm	157477	acc. to RAL	1500 mm
GC GR for GC 338 Powerturn	For Powerturn / Powerturn F, installation on the opposite hinge side, lever length 450 mm	157475	acc. to RAL	1200 mm
GC GR for GC 338 Powerturn	For Powerturn / Powerturn F, installation on the hinge side, lever length 330 mm	157472	EV1	1500 mm
GC GR for GC 338 Powerturn	For Powerturn / Powerturn F, installation on the hinge side, lever length 330 mm	157450	EV1	1200 mm

Name	Description	Ident-No.	Colour	Length
GC GR for GC 338 Powerturn	For Powerturn / Powerturn F, installation on the opposite hinge side, lever length 450 mm	157474	EV1	1200 mm
GC GR for GC 338 Powerturn	For Powerturn / Powerturn F, installation on the hinge side, lever length 330 mm	157473	acc. to RAL	1500 mm

POWERTURN IS/TS PASSIVE LEAF

Passive leaf unit for the Powerturn IS/TS programme



Name	Description	Ident-No.	Colour	Leaf width (max.)	Length
TS 4000 for Powerturn IS/TS	Transom installation on opposite hinge side, closing force EN1-6 with back check, without V-arm	164013	silver-coloured	1600 mm	492 mm
TS 5000 L for Powerturn IS/TS	Transom installation on hinge side, closing force EN4-6 with back check, without roller guide rail	164012	silver-coloured	1600 mm	492 mm

LINK ARMS POWERTURN / POWERTURN F

For transom and door leaf installation with reveal depths up to 560 mm



Name	Description	Ident-No.	Colour	Length
Link arms Powerturn / Powerturn F	Length 245 mm for reveal depth / 20 mm to 160 mm with sensor link arm, / -30 mm to 110 mm without sensor link arm	154707	EV1	245 mm
Link arms Powerturn / Powerturn F	Length 645 mm for reveal depth / 420 mm to 560 mm with sensor link arm, / 370 mm to 510 mm without sensor link arm	154721	acc. to RAL	645 mm
Link arms Powerturn / Powerturn F	Length 245 mm for reveal depth / 20 mm to 160 mm with sensor link arm, / -30 mm to 110 mm without sensor link arm	154709	acc. to RAL	245 mm
Link arms Powerturn / Powerturn F	Length 445 mm for reveal depth / 220 mm to 360 mm with sensor link arm, / 170 mm to 310 mm without sensor link arm	154714	EV1	445 mm
Link arms Powerturn / Powerturn F	Length 545 mm for reveal depth / 320 mm to 460 mm with sensor link arm, / 270 mm to 410 mm without sensor link arm	154717	EV1	545 mm
Link arms Powerturn / Powerturn F	Length 445 mm for reveal depth / 220 mm to 360 mm with sensor link arm, / 170 mm to 310 mm without sensor link arm	154715	acc. to RAL	445 mm
Link arms Powerturn / Powerturn F	Length 545 mm for reveal depth / 320 mm to 460 mm with sensor link arm, / 270 mm to 410 mm without sensor link arm	154718	acc. to RAL	545 mm
Link arms Powerturn / Powerturn F	Length 645 mm for reveal depth / 420 mm to 560 mm with sensor link arm, / 370 mm to 510 mm without sensor link arm	154720	EV1	645 mm
Link arms Powerturn / Powerturn F	Length 215 mm for reveal depth / -10 mm to 130 mm with sensor link arm, / -30 mm to 80 mm without sensor link arm,	165818	EV1	215 mm

Name	Description	Ident-No.	Colour	Length
Link arms Powerturn / Powerturn F	Length 215 mm for reveal depth / -10 mm to 130 mm with sensor link arm, / -30 mm to 80 mm without sensor link arm,	159376	acc. to RAL	215 mm
Link arms Powerturn / Powerturn F	Length 345 mm for reveal depth / 120 mm to 260 mm with sensor link arm, / 70 mm to 210 mm without sensor link arm	154712	acc. to RAL	345 mm
Link arms Powerturn / Powerturn F	Length 345 mm for reveal depth / 120 mm to 260 mm with sensor link arm, / 70 mm to 210 mm without sensor link arm	154711	EV1	345 mm

COVER POWERTURN

For the Powerturn swing door drive, including additional side panels and shaft covers painted with cover colour



Name	Description	Ident-No.	Colour	Length
Cover Powerturn	Cover including side parts and shaft covers painted in the cover colour	161927	EV1	
Cover extension kit for GEZE Powerturn		157830		
Intermediate cover kit for GEZE Powerturn		157831		
Powerturn additional side panel / axis cover		162746	silver-coloured	
Cover Powerturn	Cover including side parts and shaft covers painted in the cover colour	160326	acc. to RAL	

POWERTURN / POWERTURN F ROLLER GUIDE RAIL

For transom installation on the hinge side or opposite hinge side with roller guide rail



Name	Description	Ident-No.	Colour	Length
Roller guide rail Powerturn (F)	For transom installation opposite hinge side, length 691 mm, lever length 450 mm	153813	acc. to RAL	691 mm
Roller guide rail Powerturn (F)	For transom installation opposite hinge side, length 691 mm, lever length 450 mm	153812	EV1	691 mm
Roller guide rail Powerturn (F)	For transom installation hinge side, length 691 mm, lever length 330 mm	153790	acc. to RAL	691 mm
Roller guide rail Powerturn (F)	For transom installation hinge side, length 691 mm, lever length 330 mm	153787	EV1	691 mm



CONNECTOR PLUG POWERTURN / EMD 230 V

230 V connection and GEZE logo for the Powerturn / EMD



Name	Description	Ident-No.	Colour
Connection Powerturn / EMD 230 V	Connector plug Powerturn / EMD	156890	black

LINK ARMS TS 4000 / 2000

Standard link arm



Name	Description	Ident-No.	Colour
Link arms TS 4000/2000	Standard	102425	acc. to RAL
Link arms TS 4000/2000	Standard	102421	silver-coloured
Link arms TS 4000/2000	Standard	102423	white RAL 9016
Link arms TS 4000/2000	Standard	102426	stainless steel optic

POWERTURN F

Electromechanical swing door drive for single leaf fire and smoke protection doors



GUIDE RAIL TS 5000 / 3000 VERTICALLY ADJUSTABLE

With height compensation +/- 2 mm and lever



Name	Description	Ident-No.	Colour	Dimensions	Length
Guide rail TS 3/5000 vertically adjustable	Height compensation +/- 2 mm, with lever	115191	silver-coloured	448.5 x 30.5 x 20.5 mm	448.5 mm
Guide rail TS 3/5000 vertically adjustable	Height compensation +/- 2 mm, with lever	115192	acc. to RAL	448.5 x 30.5 x 20.5 mm	448.5 mm

ACCESSORY

POWERTURN 230 V T-DISTRIBUTOR

Optional 230 V connection for external peripheral device



Name	Description	Ident-No.
Powerturn 230 V T-distributor	Optional 230 V connection for external peripheral device (max. 700 W, max. 7 A, AD 0.75 mm ²)	166272

GC 338

Sensor strip with standby mode for the protection of automatic swing and revolving doors



Name	Description	Ident-No.	Colour	Output	Operating voltage
GC 338 Pair of sensor strips 1200 mm	comprising two complete sensor strips for protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	142825	acc. to RAL	Electrical relay	24 V DC +/- 20%
GC 338 Pair of sensor strips 1500 mm	comprising two complete sensor strips for protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	142827	acc. to RAL	Potential-free relay contact	24 V DC +/- 20%
GC 338 Pair of sensor strips 1500 mm	comprising two complete sensor strips for protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	142757	EV1	Electrical relay	24 V DC +/- 20%
GC 338 Pair of sensor strips 1200 mm	comprising two complete sensor strips for protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	142219	EV1	Electrical relay	24 V DC +/- 20%
GC 338 Pair of sensor strips 1200 mm	comprising two complete sensor strips for protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	142826	white RAL 9016	Electrical relay	24 V DC +/- 20%
GC 338 Pair of sensor strips 1500 mm	comprising two complete sensor strips for protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005	142828	white RAL 9016	Potential-free relay contact	24 V DC +/- 20%

GC 342

Laser scanner for the protection of automatic doors and windows with integrated object and wall blanking



Name	Description	Ident-No.	Colour	Dimensions	Operating voltage
GC 342 (left module)	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / consisting of sensor module, cable and accessories	167433	white RAL 9016	143 x 86 x 40 mm	24 V
GC 342 (right module)	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / consisting of sensor module, cable and accessories	167435	black	143 x 86 x 40 mm	24 V
GC 342 (left module)	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / consisting of sensor module, cable and accessories	167434	stainless steel optic	143 x 86 x 40 mm	24 V
GC 342 (left module)	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / consisting of sensor module, cable and accessories	167432	black	143 x 86 x 40 mm	24 V
GC 342 Kit	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / comprising two sensor modules, cables and accessories	167439	white RAL 9016	143 x 86 x 40 mm	24 V
GC 342 (right module)	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / consisting of sensor module, cable and accessories	167437	stainless steel optic	143 x 86 x 40 mm	24 V
GC 342 Kit	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / comprising two sensor modules, cables and accessories	167438	black	143 x 86 x 40 mm	24 V
GC 342 (right module)	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / consisting of sensor module, cable and accessories	167436	white RAL 9016	143 x 86 x 40 mm	24 V
GC 342 Kit	Laser scanner with a laser curtain for safeguarding the swing area of automatic swing doors / comprising two sensor modules, cables and accessories	167440	stainless steel optic	143 x 86 x 40 mm	24 V

INTEGRATED OPENING RESTRICTOR

For limiting the opening angle



Name	Description	Ident-No.
Integrated opening restrictor	which can be integrated easily in the Powerturn roller guide rails	179479

ADAPTOR FOR SENSOR LINK ARM

For mounting the link arm at the same height as the sensor strip



Name	Description	Ident-No.	Colour
Adaptor for sensor link arm	For Powerturn, EMD / EMD-F and TSA 160 NT	144352	silver-coloured
Adaptor for sensor link arm	For Powerturn, EMD / EMD-F and TSA 160 NT	153126	acc. to RAL

GC 302

Radar movement detector for activating automatic doors



Name	Description	Ident-No.	Colour	Dimensions	Output
GC 302 R radar movement detector	Radar movement detector for activating automatic doors	124087	black	176 x 62 x 52 mm	Potential-free relay contact
GC 302 SV radar movement detector	Activation of automatic doors in the escape direction	124090	acc. to RAL	176 x 62 x 52 mm	Voltage drop
GC 302 R radar movement detector	Radar movement detector for activating automatic doors	124088	acc. to RAL	176 x 62 x 52 mm	Potential-free relay contact
GC 302 SV radar movement detector	Activation of automatic doors in the escape direction	124089	black	176 x 62 x 52 mm	Voltage drop

GC 304

Radar movement detector with individual adjustment option for activating automatic doors



Name	Description	Ident-No.	Colour	Dimensions	Type of installation
GC 304 R Radar movement detector	Activation of all GEZE automatic doors	130651	black	120 x 80 x 50 mm	

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GC 307+

Non-contact proximity switch for activating automatic doors



Name	Description	Ident-No.	Colour	Dimensions	Type of installation
GC 307+ (Hand icon)	Proximity switch to activate automatic doors	195727	alpine white	80 x 80 x 21 mm	Surface-mounted installation
GC 307+ (WC icon)	Proximity switch to activate automatic doors / Suitable for Powerturn, EMD and standard sliding doors	195751	alpine white	80 x 80 x 21 mm	Surface-mounted installation
GC 307+ (Hand icon)	Proximity switch to activate automatic doors	193226	alpine white	80 x 80 x 8 mm	Flush-mounted installation
GC 307+ (WC icon)	Proximity switch to activate automatic doors / Suitable for Powerturn, EMD and standard sliding doors	195750	alpine white	80 x 80 x 8 mm	Flush-mounted installation

LED SENSOR FOOT SWITCH

Switch for activating automatic doors



Name	Description	Ident-No.	Type of installation
LED sensor foot switch	Capacitive push button for activating automatic door systems. Protection rating IP69K	182936	Floor

AS 500

AS emergency stop switch with glass pane and five interchangeable labels ("Nottaster öffnen", "Notschalter", "Emergency switch", "Tür schließen" and without text)



Name	Description	Ident-No.	Colour	Dimensions	Type of installation
Emergency stop switch AS 500	Rocker control switch with glow lamp, glass pane and five interchangeable labels ("Nottaster öffnen", "Notschalter", "Emergency switch", "Tür schließen" and an empty label)	120881	alpine white/red	80 x 80 x 21 mm	Flush-mounted installation

AIR 20

Active infrared light switch for monitoring the door handle of automatic swing doors



Name	Description	Ident-No.	Colour	Dimensions	Operating voltage
AIR 20-Var	Light switch for monitoring the door handle of automatic swing doors	082689	black	72 x 66 x 49 mm	24 V

DISPLAY PROGRAMME SWITCH DPS

Display programme switch for setting the mode of operation for automatic doors



Name	Description	Ident-No.	Colour	Dimensions	Operating voltage
Display programme switch DPS with OFF key	Configuring the mode of operation as well as service case and parameter setting for automatic doors / with 5x control keys, 2x7 segment display, alphanumerical fault display, IP rating IP40	151524	alpine white	80 x 80 x 53 mm	24 V DC
Display programme switch DPS without OFF switch	Configuring the mode of operation as well as service case and parameter setting for automatic doors / with 4x control keys, 2x7 segment display, alphanumerical fault display, IP rating IP40	155809	alpine white	80 x 81 x 5.3 mm	24 V DC
DPS with OFF key and key switch SCT	in combined double frame without Euro profile half cylinder	155810	alpine white	80 x 151 x 50 mm	24 V DC

ELBOW SWITCH

Stainless steel elbow switch with IP65 IP rating for activating automatic doors



Name	Description	Ident-No.	Colour	Dimensions	Type of installation
Elbow switch EFT	Very flat design / IP rating IP65	119898	Stainless steel	75 x 250 x 17 mm	Surface-mounted installation

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ELBOW SWITCH

Plastic elbow switch, IP rating IP30, for activation of automatic doors



Name	Description	Ident-No.	Colour	Dimensions	Type of installation
GEZE plastic elbow switch	Very flat design, IP rating IP30	114077	stainless steel optic	90 x 180 x 23 mm	Surface-mounted installation
GEZE plastic elbow switch	Very flat design, IP rating IP30	114078	white	90 x 180 x 23 mm	Surface-mounted installation

LS990 ELBOW SWITCH

Elbow switch for activating automatic doors



Name	Description	Ident-No.	Colour	Dimensions	Type of installation
LS 990 elbow switch	IP rating IP30 H=223mm	128583	Stainless steel	81 x 223 x 18 mm	Flush-mounted installation
LS 990 elbow switch	IP rating IP30 H=223mm	128582	Stainless steel	81 x 223 x 51 mm	Surface-mounted installation
LS 990 elbow switch	IP rating IP30 H=223mm	141041	alpine white	81 x 223 x 51 mm	Surface-mounted installation
LS 990 elbow switch	IP rating IP30 H=223mm	141042	alpine white	81 x 223 x 18 mm	Flush-mounted installation

LED SENSOR SWITCH

Switch for activating automatic doors



Name	Description	Ident-No.	Colour	Dimensions	Length
LED sensor switch	Capacitive push button with blue LED lighting and haptic Braille lettering for activating automatic door systems. Protection rating IP69K	137529	black	100 x 100 x 10 mm	100 mm
LED sensor switch glass	Capacitive push button with blue LED lighting for activating automatic door systems. Protection rating IP69K	143412	white	100 x 100 x 8 mm	100 mm

MINI LED SENSOR SWITCH

Activation of all GEZE automatic doors



Name	Description	Ident-No.	Colour	Dimensions	Operating voltage
LED sensor switch 20 mm	Capacitive push button for activating automatic door systems. Protection rating IP69K	143273	aluminium, matt	28.5 x 28.5 x 6.5 x 14.5 mm	24 V DC

MPS

Mechanical programme switch for setting the mode of operation for automatic doors



Name	Description	Ident-No.	Colour	Dimensions	Operating voltage
Mechanical programme switch MPS-D	Setting of the mode of operation of automatic doors with rotary button, IP rating IP40 / suitable for switch ranges with 55x55mm switch insert	118417	alpine white	80 x 80 x 24 mm	24 V DC
Mechanical programme switch MPS	Setting of the mode of operation of automatic doors with rotary button, LED fault display, IP rating IP40 / suitable for switch ranges with 55x55mm switch insert	113226	alpine white	80 x 80 x 24 mm	24 V DC
Mechanical programme switch MPS-D-ST	Setting of the mode of operation of automatic doors with key, LED fault display, IP rating IP40, same keyed lock cylinder, incl. 2x keys / suitable for switch ranges with 55x55mm switch insert	118418	alpine white	80 x 80 x 24 mm	24 V DC
mechanical programme switch MPS ST	Setting of the mode of operation of automatic doors with key, LED fault display, IP rating IP40, same keyed lock cylinder, incl. 2x keys / suitable for switch ranges with 55x55mm switch insert	113227	alpine white	80 x 80 x 24 mm	24 V DC

ROCKER PUSH BUTTON

Activation of automatic swing, sliding, folding, revolving and curved sliding doors



Name	Ident-No.	Colour	Dimensions	Type of installation
GEZE rocker push button	094033	alpine white		Flush-mounted installation
GEZE rocker push button LS 990	098396	Stainless steel		Flush-mounted installation
GEZE rocker push button E2	094013	white RAL 9016		Flush-mounted installation
GEZE rocker push button	094174	white		Flush-mounted installation
GEZE rocker push button AS 500	120888	alpine white	80 x 80 x 9 mm	Flush-mounted installation
GEZE rocker push button	098395	alpine white		Flush-mounted installation

PULL SWITCH

For triggering calls in barrier-free bathrooms or WCs



Name	Description	Ident-No.	Dimensions	Type of installation
Pull switch	incl. pull chain 500 mm long	008607	36 x 94 x 34 mm	Surface-mounted installation