

Product data sheet

Powerturn F/R *



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



AREAS OF APPLICATION

- Fire and smoke protection doors
- Hold-open systems with integrated hold-open function – country-specific specifications must be observed
- 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
- Transom installation hinge and opposite hinge side

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
- 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
- Freely configurable inputs and outputs for different functions
- Can be networked, and integrated into the building automation via open standard (BACnet)

TECHNICAL DATA

Productname	Powerturn F/R *
Reveal depth (max.)	300 mm
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

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Transom installation hinge side with roller guide rail	Yes
Mechanical latching action	Yes
Electrical latching action	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
Integrated smoke switch	Yes

PART**GC GR FOR GC 338**

Sensor roller guide rail Powerturn for GC 338 sensor strip



Description	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
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 F/R

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

**LINK ARMS POWERTURN / POWERTURN F**

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



Description	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
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



Description	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	

CONNECTOR PLUG POWERTURN / EMD 230 V

230 V connection and GEZE logo for the Powerturn / EMD



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

POWERTURN / POWERTURN F ROLLER GUIDE RAIL

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



Description	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

ACCESSORIES

GC 338

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



Description	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%

INTEGRATED OPENING RESTRICTOR

For limiting the opening angle



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

SPINDLE EXTENSION POWERTURN

Available lengths 30 mm and 50 mm



Description	Description	Ident-No.	Colour	Length
Spindle extension Powerturn	V = 50 mm	153827	acc. to RAL	50 mm
Spindle extension Powerturn	V = 30 mm	153824	acc. to RAL	30 mm
Spindle extension Powerturn	V = 50 mm	153826	EV1	50 mm
Spindle extension Powerturn	V = 30 mm	153822	EV1	30 mm

ADAPTOR FOR SENSOR LINK ARM

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



Description	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 342

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



Description	Description	Ident-No.	Colour	Dimensions	Output
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	2 potential-free relay contacts
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	2 potential-free relay contacts
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	2 potential-free relay contacts
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	2 potential-free relay contacts

Description	Description	Ident-No.	Colour	Dimensions	Output
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	2 potential-free relay contacts
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	2 potential-free relay contacts
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	2 potential-free relay contacts
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	2 potential-free relay contacts
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	2 potential-free relay contacts

ELBOW SWITCH

Plastic elbow switch, IP rating IP20, for activation of automatic doors



Description	Description	Ident-No.	Colour	Dimensions	Type of installation
Elbow switch KFT	Very flat design, IP rating IP20	114077	stainless steel optic	90 x 179 x 23 mm	Surface-mounted installation
Elbow switch KFT	Very flat design, IP rating IP20	114078	white	90 x 179 x 23 mm	Surface-mounted installation

LS990 ELBOW SWITCH

Elbow switch for activating automatic doors



Description	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

WRB-5

Radio reception board for ECTurn, ECTurn Inside and Powerturn swing door drives



Description	Description	Ident-No.	Dimensions	Output	Operating voltage
WRB-5 Radio reception board	for Powerturn, Ecturn and Ecturn Inside	135170	44 x 27 x 10 mm	2 potential-free relay contacts	5 V DC

WTH

Remote control for activating GEZE automatic doors and window drives via the GEZE wireless programme

Description	Description	Ident-No.	Dimensions	Operating voltage	Type of installation
WTH-2 Remote control 2 channels	with wall fixing and IP rating IP54	131210	78 x 51 x 15 mm	12 V DC	Wall
WTH-4 Remote control 4 channels	with wall fixing and IP rating IP54	131211	78 x 51 x 15 mm	12 V DC	Wall
WTH-1 Remote control 1 channel	with wall fixing and IP rating IP54	131209	78 x 51 x 15 mm	12 V DC	Wall

GC 304

Radar movement detector with individual adjustment option for activating automatic doors



Description	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	

USB PROGRAMMABLE ADAPTER



Description	Description	Ident-No.
USB programmable adapter	Transfer of firmware from the PC to the control unit (DCU); 3m cable length / Drivers, the control-specific programming software and DCU firmware files can be downloaded via the customer portal (compulsory registration). / Firmware updates on GEZE drives may only be carried out by experts authorised by the manufacturer (GEZE) in accordance with DIN 18650/EN 16005	130829

GC 302

Radar movement detector for activating automatic doors



Description	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 output
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 output

GC 307+ *

Non-contact proximity switch for activating automatic doors



Description	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

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Description	Description	Ident- No.	Colour	Dimensions	Type of 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

GC 342+ *

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



Description	Description	Ident- No.	Colour	Dimension s	Output
GC 342+ (left module) *	Laser scanner with four laser curtains for optimum protection of the hazardous areas - including the secondary closing edge - of automatic swing doors; additional output for contactless door opening / consisting of sensor module, cable and accessories	198693	stainless steel optic	145 x 88 x 68 mm	3 potential-free relay contacts
GC 342+ (left module) *	Laser scanner with four laser curtains for optimum protection of the hazardous areas - including the secondary closing edge - of automatic swing doors; additional output for contactless door opening / consisting of sensor module, cable and accessories	198669	black	145 x 88 x 68 mm	3 potential-free relay contacts
GC 342+ (left module) *	Laser scanner with four laser curtains for optimum protection of the hazardous areas - including the secondary closing edge - of automatic swing doors; additional output for contactless door opening / consisting of sensor module, cable and accessories	198671	white RAL 9016	145 x 88 x 68 mm	3 potential-free relay contacts
GC 342+ (right module) *	Laser scanner with four laser curtains for optimum protection of the hazardous areas - including the secondary closing edge - of automatic swing doors; additional output for contactless door opening / consisting of sensor module, cable and accessories	198694	stainless steel optic	145 x 88 x 68 mm	3 potential-free relay contacts
GC 342+ (right module) *	Laser scanner with four laser curtains for optimum protection of the hazardous areas - including the secondary closing edge - of automatic swing doors; additional output for contactless door opening / consisting of sensor module, cable and accessories	198670	black	145 x 88 x 68 mm	3 potential-free relay contacts
GC 342+ (right module) *	Laser scanner with four laser curtains for optimum protection of the hazardous areas - including the secondary closing edge - of automatic swing doors; additional output for contactless door opening / consisting of sensor module, cable and accessories	198692	white RAL 9016	145 x 88 x 68 mm	3 potential-free relay contacts

Powerturn F/R *



LED SENSOR FOOT SWITCH *

Switch for activating automatic doors



Description	Description	Ident-No.	Colour	Dimensions	Output
LED sensor foot switch *	Capacitive push button for activating automatic door systems. Protection rating IP69K	182936	Stainless steel	100 x 100 x 3 x 14 mm	PNP transistor output

AS 500 *

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



Description	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



Description	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



Description	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 key	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

INTERLOCKING DOOR SYSTEM FUNCTION *

Prevents simultaneous opening of two doors that are installed in a row



Description	Ident-No.	Dimensions	Length	Type of installation
SCHAKELAAR IN-/UITSCHAKELEN SLUISFUNCTIE (109072) *	109072	192 x 164 x 87 mm	192 mm	Surface-mounted installation, Flush-mounted installation

ELBOW SWITCH *

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



Description	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

LED SENSOR SWITCH *

Switch for activating automatic doors



Description	Description	Ident-No.	Colour	Dimensions	Output
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	PNP transistor output
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	PNP transistor output

MINI LED SENSOR SWITCH *

Activation of all GEZE automatic doors



Description	Description	Ident-No.	Colour	Dimensions	Output
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 21 mm	PNP transistor output

MPS

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



Description	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, keyed alike cylinder, incl. 2x keys / suitable for switch ranges with 55x55mm switch insert	118418	alpine white	80 x 80 x 24 mm	24 V DC

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Description	Description	Ident-No.	Colour	Dimensions	Operating voltage
mechanical programme switch MPS ST	Setting of the mode of operation of automatic doors with key, LED fault display, IP rating IP40, keyed alike 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 AS 500

Activation of all GEZE automatic doors



Description	Ident-No.	Colour	Dimensions	Type of installation
Rocker push button AS 500	120888	alpine white	80 x 80 x 9 mm	Flush-mounted installation

PULL SWITCH *

For triggering calls in barrier-free bathrooms or WCs



Description	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

* The products designated above may vary in form, type, characteristics, function, or availability depending on the country. Please get in touch with your GEZE contact person if you have any questions.