

# Product data sheet

# **ECturn Inside**



Integrable electromechanical swing door drive for accessible single leaf doors weighing up to 125 kg

## **AREAS OF APPLICATION**

- Single-action, single leaf, right and left closing doors
- Single-action doors up to 1100 mm leaf width or 125 kg weight
- Entrance and interior doors with moderate access frequency
- For door leaf thicknesses from 55 mm
- Integrated installation in door or frame
- Barrier-free access



## PRODUCT FEATURES

- Drive is embedded in door leaf or frame and fulfils maximum design requirements
- Opening and closing speed can be individually adjusted
- Electrical latching action which accelerates the door shortly before the closed position
- Low-energy function opens the door with reduced speed, fulfilling the highest safety requirements
- 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 is used with guide rail
- Optional rechargeable battery provides maximum safety during a power failure
- Optional radio reception board for wireless activation by radio transmitter

## TECHNICAL DATA

Productname	ECturn Inside
Leaf weight (max.) 1-leaf	125 kg
Leaf width (min.-max.)	700 mm - 1100 mm
Drive type	Electromechanical
Opening angle (max.)	110 °
DIN left	Yes
DIN right	Yes
Installation in the door leaf	Yes
Installation in the door frame	Yes
Mechanical latching action	No
Electrical latching action	Yes
Disconnection from mains	Cable plug connection
Activation delay (max.)	20 s
Operating voltage	24 V
Power rating	75 W
Power supply for external consumers (24 V DC)	600 mA
Service temperature	-15 - 50 °C
Air humidity non-condensing (max.)	95 %
IP rating	IP20
Mode of operation	Automatic, Permanently open, Night, Off
Automatic function	Yes
Low-energy function	Yes
function smart swing	No
Servo function	No
Obstacle detection	Yes
Automatic reversing	Yes

# ECturn Inside



Push & Go	adjustable
Operation	Programme switch integrated in the drive, Programme switch TPS, MPS programme switch
Parameter setting	Control unit, Programme switch DPS
Standard conformity	EN 16005
Smoke switch integrated	No

## PART

### ECTURN INSIDE

Integrable electromechanical swing door drive for accessible single leaf doors weighing up to 125 kg



### GUIDE RAIL ECTURN INSIDE

For installation in the frame or door leaf



Designation	Description	Ident-No.	Colour
Guide rail ECturn Inside		149542	silver-coloured
Guide rail ECturn Inside	Can be configured: Colour, spindle extension 0 – 20 mm	150727	according to RAL

### TIMBER/METAL DOOR INSTALLATION MATERIAL

For timber or metal doors



Designation	Ident-No.
Installation materials timber door ECturn Inside	149500
Installation materials metal door ECturn Inside	149502

**ACCESSORIES****RECHARGEABLE BATTERY ECTURN INSIDE \***

Operation safeguarded in the event of a power failure



Designation	Ident-No.
Rechargeable battery Ecturn Inside *	149496

**EXTERNAL PROGRAMME SWITCH ECTURN INSIDE \***

Cable and housing for installation of the existing programme switch on the door's main closing edge



Designation	Description	Ident-No.	Colour
Programme switch kit	Cable and housing for installation of the existing programme switch of the Ecturn Inside on the door's main closing edge	149504	black

**GC 338**

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



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

### KFT ELBOW SWITCH

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



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

### LS 990 ELBOW SWITCH

Elbow switch for activating automatic doors



Designation	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



Designation	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

### GC 335

Sensor strip with high safety standard for protecting automatic swing and revolving doors



Designation	Description	Ident-No.	Colour	Dimensions	Output
GC 335 Sensor strip 1400 mm	Protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	128071	according to RAL	1400 x 42 x 37 mm	Potential-free relay contact
GC 335 Sensor strip 310 mm	Protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	129856	EV1	310 x 42 x 37 mm	Potential-free relay contact
GC 335 Sensor strip 1400 mm	Protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	128060	white RAL 9016	1400 x 42 x 37 mm	Potential-free relay contact
GC 335 Sensor strip 900 mm	Protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	128057	according to RAL	900 x 42 x 37 mm	Potential-free relay contact
GC 335 Sensor strip 1400 mm	Protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	128058	EV1	1400 x 42 x 37 mm	Potential-free relay contact
GC 335 Sensor strip 310 mm	Protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	129859	according to RAL	310 x 42 x 37 mm	Potential-free relay contact
GC 335 Sensor strip 900 mm	Protection of the swivelling range of automatic swing and revolving doors in accordance with DIN 18650 / EN 16005 / With one master module and end caps	128054	EV1	900 x 42 x 37 mm	Potential-free relay contact

### WRB-5 \*

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



Designation	Description	Ident-No.	Dimensions	Operating voltage	Type of installation
WRB-5 radio reception board *	for Powerturn, Ecturn and Ecturn Inside	135170	44 x 27 x 10 mm	5 V DC	can be plugged in to DCU control units

**WTH \***

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



Designation	Description	Ident-No.	Dimensions	Operating voltage	Type of installation
WTH-2 remote control, 2 channel *	with wall fixing and IP rating IP54	131210	78 x 51 x 15 mm	12 V DC	Wall
WTH-4 remote control, 4 channel *	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 302**

Radar movement detector for the activation of automatic doors



Designation	Description	Ident-No.	Colour	Dimensions	Output
GC 302 R radar movement detector	Radar movement detector for the activation of automatic doors	124087	black	176 x 62 x 52 mm	Potential-free relay contact
GC 302 R radar movement detector	Radar movement detector for the activation of automatic doors	124088	according to RAL	176 x 62 x 52 mm	Potential-free relay contact

**GC 307+ \***

Non-contact proximity switch for activating automatic doors



Designation	Description	Ident-No.	Colour	Dimensions	Type of installation
GC 307+ (hand icon) *	Proximity switch for the activation of automatic doors	195727	alpine white	80 x 80 x 21 mm	Surface-mounted installation
GC 307+ (WC icon) *	Proximity switch for the activation of 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 for the activation of automatic doors	193226	alpine white	80 x 80 x 8 mm	Flush-mounted installation

Designation	Description	Ident-No.	Colour	Dimensions	Type of installation
GC 307+ (WC icon) *	Proximity switch for the activation of 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 doors and windows with integrated object and wall blanking



Designation	Description	Ident-No.	Colour	Dimensions	Output
GC 342 (left module)	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167433	white	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 (right module)	Laser scanner with one laser curtain for protection of the swivelling range 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 one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167434	stainless steel colour	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 (left module)	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167432	black	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 Kit	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of two sensor modules, cable and accessories	167439	white	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 (right module)	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167437	stainless steel colour	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 Kit	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of two sensor modules, cable and accessories	167438	black	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 (right module)	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of sensor module, cable and accessories	167436	white	143 x 86 x 40 mm	2 potential-free relay contacts
GC 342 Kit	Laser scanner with one laser curtain for protection of the swivelling range of automatic swing doors / consisting of two sensor modules, cable and accessories	167440	stainless steel colour	143 x 86 x 40 mm	2 potential-free relay contacts



**GC 342+ \***

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



Designation	Description	Ident-No.	Colour	Dimensions	Output
GC 342+ (left module) *	Laser scanner with four laser curtains for optimal protection of the hazardous areas - including the secondary closing edge - of automatic swing doors; additional output for non-contact activation / consisting of sensor module, cable and accessories	198693	stainless steel colour	145 x 88 x 68 mm	3 potential-free relay contacts
GC 342+ (left module) *	Laser scanner with four laser curtains for optimal protection of the hazardous areas - including the secondary closing edge - of automatic swing doors; additional output for non-contact activation / 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 optimal protection of the hazardous areas - including the secondary closing edge - of automatic swing doors; additional output for non-contact activation / consisting of sensor module, cable and accessories	198671	white	145 x 88 x 68 mm	3 potential-free relay contacts
GC 342+ (right module) *	Laser scanner with four laser curtains for optimal protection of the hazardous areas - including the secondary closing edge - of automatic swing doors; additional output for non-contact activation / consisting of sensor module, cable and accessories	198694	stainless steel colour	145 x 88 x 68 mm	3 potential-free relay contacts
GC 342+ (right module) *	Laser scanner with four laser curtains for optimal protection of the hazardous areas - including the secondary closing edge - of automatic swing doors; additional output for non-contact activation / 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 optimal protection of the hazardous areas - including the secondary closing edge - of automatic swing doors; additional output for non-contact activation / consisting of sensor module, cable and accessories	198692	white	145 x 88 x 68 mm	3 potential-free relay contacts

**LED SENSOR FOOT SWITCH \***

Switch for activating automatic doors



Designation	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)



Designation	Description	Ident-No.	Colour	Dimensions	Type of installation
AS 500 emergency stop switch	Rocker control switch with glow lamp, glass pane and five exchangeable labels ("open emergency push button", "emergency stop switch", "emergency switch", "close door" and no 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



Designation	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

### EFT ELBOW SWITCH \*

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



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

### MINI LED SENSOR SWITCH \*

Activation of all GEZE automatic doors



Designation	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

### TPS

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



Designation	Description	Ident-No.	Colour	Dimensions	Operating voltage
TPS keypad programme switch	with 2 control keys, LED display, coded fault display, IP rating IP40 / suitable for switch programmes with 55x55mm switch insert	113231	alpine white	80 x 80 x 11 mm	24 V DC
TPS keypad programme switch and SCT key switch	in combined double frame without Euro profile half cylinder	113232	alpine white	80 x 152 x 11 mm	24 V DC

### AS 500 ROCKER PUSH BUTTON

Activation of all GEZE automatic doors



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

**PULL SWITCH \***

For triggering calls in barrier-free bathrooms or WCs



Designation	Description	Ident-No.	Colour	Dimensions	Type of installation
Pull switch	Incl. pull chain 500 mm long	008607	red	36 x 94 x 34 mm	Surface-mounted installation

**GC 308 \***

Radar movement detector with individual adjustment option for activating automatic doors



Designation	Description	Ident-No.	Colour	Dimensions	Output
GC 308 R radar movement detector *	Activation of automatic drives	203605	stainless steel colour	120 x 50 x 50 mm	Potential-free relay contact
GC 308 R radar movement detector *	Activation of automatic drives	203603	black	120 x 50 x 50 mm	Potential-free relay contact
GC 308 R radar movement detector *	Activation of automatic drives	203604	white	120 x 50 x 50 mm	Potential-free relay contact

**DIGITAL PROGRAMMABLE TIMER \***

For time-controlled changes of modes of operation on automatic doors

**REED SWITCH \***

For non-contact monitoring of the door leaf position



Designation	Description	Ident-No.	Colour
Reed switch *	For non-contact monitoring of the door leaf position	092777	white

**E2 ROCKER PUSH BUTTON**

Activation of all GEZE automatic doors



Designation	Ident-No.	Colour	Dimensions	Type of installation
E2 rocker push button	094013	pure white matt	80.8 x 80.8 x 9.3 mm	Flush-mounted installation

**LS 990 ROCKER PUSH BUTTON**

Activation of all GEZE automatic doors



Designation	Ident-No.	Colour	Dimensions	Type of installation
LS 990 rocker push button	098396	Stainless steel	81 x 81 x 11 mm	Flush-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.