Product data sheet

ECturn swing door drive system



Electromechanical swing door drive system for barrier-free single leaf doors 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
- Automation of frameless all-glass doors
- Door leaf installation and transom installation
- Barrier-free access

ECturn swing door drive system

PRODUCT FEATURES

- Opening and closing speed can be individually adjusted
- Electrical latching action 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 guide rail or link arm
- Glass guide rail available for use on glass doors with a glass thickness of 8-10 mm
- Optional rechargeable battery provides maximum safety during a power failure
- Optional radio reception board for wireless activation by radio transmitter

TECHNICAL DATA

Productname	ECturn swing door drive system
Height	60 mm
Width	580 mm
Depth	60 mm
Leaf weight (max.) 1-leaf	125 kg
Leaf width (min.-max.)	650 mm - 1100 mm
Reveal depth (max.)	200 mm
Door overlap (max.)	50 mm
Drive type	Electromechanical
Opening angle (max.)	110 °
DIN left	Yes
DIN right	Yes
Transom installation opposite hinge side with link arm	Yes
Transom installation opposite hinge side with guide rail	Yes
Transom installation hinge side with guide rail	Yes
Transom installation opposite hinge side with guide rail on all-glass doors	Yes
Transom installation hinge side with guide rail on all-glass doors	Yes
Door leaf installation opposite hinge side with guide rail	Yes
Door leaf installation hinge side with guide rail	Yes
Door leaf installation hinge side with link arm	Yes
Electrical latching action	Yes
Disconnection from mains	Main switch in the drive
Activation delay (max.)	10 s
Operating voltage	110 – 230 V

ECturn swing door drive system

Power rating	75 W
Power supply for external consumers (24 V DC)	600 mA
Service temperature	-15 - 50 °C
IP rating	IP20
Mode of operation	Off, Automatic, Permanently open, Night
Type of function	Fully automatic
Automatic function	Yes
Low-energy function	Yes
function smart swing	No
Key function	Yes
Obstacle detection	Yes
Automatic reversing	Yes
Push & Go	adjustable
Operation	Programme switch TPS, Programme switch integrated in the drive
Parameter setting	Programme switch DPS, Control unit
Standard conformity	EN 16005
Smoke switch integrated	No

VARIANTS / ORDER INFO

Designation	Description	Ident-No.	Supply voltage	Dimensions	Leaf width (min.)
ECturn swing door drive system	Electromechanical swing door drive for 1-leaf single-action doors as a "front door solution" and on the interior (including all-glass doors)	131975	110 - 230 V	580 x 60 x 60 mm	650 mm

PART

LINK ARM ECTURN

For transom installation on opposite hinge side or door leaf installation on hinge side for reveal depths of 0 - 200 mm



Designation	Description	Ident-No.	Colour
Link arm ECturn	for reveal depth 90-200 mm	134664	silver-coloured
Link arm ECturn	for reveal depth 0-100 mm	134663	silver-coloured
Link arm ECturn *	for reveal depth 90-200 mm	135933	according to RAL
Link arm ECturn *	for reveal depth 0-100 mm	135932	according to RAL

ECturn swing door drive system

COVER ECTURN

For the ECturn swing door drive



Designation	Ident-No.	Colour	Dimensions	Material
Cover ECturn *	133196	EV1	572.5 x 60 x 60 mm	Aluminum
Cover ECturn	140443	white RAL 9016	572.5 x 60 x 60 mm	Aluminum
Cover ECturn *	140442	EV1	572.5 x 60 x 60 mm	Aluminum
Cover ECturn *	140444	according to RAL	572.5 x 60 x 60 mm	Aluminum
Cover ECturn *	134200	white RAL 9016	572.5 x 60 x 60 mm	Aluminum

GUIDE RAIL ECTURN

For opposite hinge side



Designation	Description	Ident-No.	Colour	Dimensions
Guide rail ECturn	For opposite hinge side	135971	according to RAL	485 x 20 mm
Glass guide rail ECturn	For opposite hinge side	145587	according to RAL	485 x 20 mm
Glass guide rail ECturn	For opposite hinge side	140115	EV1	485 x 20 mm
Guide rail ECturn *	For opposite hinge side	135970	white RAL 9016	485 x 20 mm
Guide rail ECturn	For opposite hinge side	135969	EV1	485 x 20 mm

GUIDE RAIL ECTURN

For hinge side



Designation	Description	Ident-No.	Colour	Dimensions
Glass guide rail ECturn	For hinge side	140114	EV1	415 x 20 mm
Guide rail ECturn *	For hinge side	135119	according to RAL	415 x 20 mm
Guide rail ECturn *	available with spindle extension from 6 to 26 mm (only suitable for installation on the hinge side)	134073		415 x 20 mm
Guide rail ECturn *	For hinge side	135118	white RAL 9016	415 x 20 mm

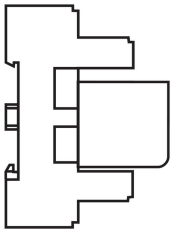
ECturn swing door drive system

Designation	Description	Ident-No.	Colour	Dimensions
Guide rail ECturn	For hinge side	135117	EV1	415 x 20 mm
Glass guide rail ECturn	For hinge side	145586	according to RAL	415 x 20 mm

ACCESSORIES

RELAY UNIT

with top hat rail for direct fastening in the drive, 4 change-over contacts, current consumption approx. 25 mA at 24 V DC



Designation	Description	Ident-No.	Dimensions
Relay unit 24 V DC	with top hat rail for direct fastening in the drive, 4 change-over contacts, current consumption approx. 25 mA at 24 V DC / for connection to the programmable outputs of DCU control units and door control units to switch larger electrical loads	024542	59.5 x 70 x 67.5 mm

RECHARGEABLE BATTERY ECTURN

Operation safeguarded in the event of a power failure



Designation	Description	Ident-No.	Battery capacity
Rechargeable battery ECturn	For the ECturn swing door drive	131473	650 mAh

DOOR TRANSMISSION CABLE *

For door leaf installation



Designation	Ident-No.	Dimensions
Door transmission cable ECturn *	135307	600 mm

ECturn swing door drive system

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

INSTALLATION MATERIAL

MOUNTING PLATE ECTURN

For installing the drive on the frame or the door leaf



Designation	Ident-No.	Colour	Dimensions	Material
Mounting plate ECturn *	133454	according to RAL	580 x 60 x 5 mm	Aluminum
Mounting plate ECturn	133452	silver-coloured	580 x 60 x 5 mm	Aluminum

* 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.