

Product data sheet

Powerturn



Electromechanical swing door drive for single leaf doors
weighing up to 600 kg

AREAS OF APPLICATION

- 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
- Door leaf installation and transom installation

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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
- Low-energy function opens and closes the door with reduced speed, fulfilling the highest safety demands
- Servo function for motorized support when manually opening the door
- Vestibule function controls the opening and closing of two consecutive doors (interlocking door system)
- 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
- Optional radio board for wireless activation by radio transmitter

TECHNICAL DATA

Productname	Powerturn
Height	70 mm
Width	720 mm
Depth	130 mm
Leaf weight (max.) 1-leaf	600 kg
Hinge clearance (min.-max.) 2-leaf, link arm	1600 mm - 3200 mm
Hinge clearance (min.-max.) 2-leaf, roller guide rail	1600 mm - 3200 mm
Leaf width (min.-max.)	800 mm - 1600 mm
Reveal depth (max.)	560 mm
Drive type	Electromechanical
Opening angle (max.)	136 °
Spring pre-load	EN4 - EN7
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
Transom installation hinge side with roller guide rail	Yes
Door leaf installation opposite hinge side with roller guide rail	Yes
Door leaf installation hinge side with roller guide rail	Yes



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Door leaf installation hinge side with link arm	Yes
Mechanical latching action	Yes
Electrical latching action	Yes
Electrical closing sequence control	Yes
Mechanical closing sequence control	Yes
Disconnection from mains	Main switch in the drive
Activation delay (max.)	10 s
Operating voltage	230 V
Power rating	200 W
Power supply for external consumers (24 V DC)	1200 mA
Service temperature	-15 – 50 °C
IP rating	IP30
Mode of operation	Automatic, Permanently open, Shop closing, Night, Off
Type of function	Fully automatic
Automatic function	Yes
Low-energy function	Yes
function smart swing	Yes
Servo function	Yes
Key function	Yes
Vestibule function	Yes
Obstacle detection	Yes
Automatic reversing	Yes
Push & Go	adjustable
Operation	Programme switch DPS, MPS programme switch, Programme switch integrated in the drive
Parameter setting	GEZEconnects (PC + Bluetooth), ST 220 service terminal, Programme switch DPS
Standard conformity	DIN 18650, EN 16005
Smoke switch integrated	No

VARIANTS / ORDER INFO

Designation

Powerturn

ACCESSORIES

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