

# Product data sheet

# Powerturn F/R-IS/TS \*



Semi-automatic system with swing door drive on active leaf and door closer on passive leaf for 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
- 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 1500 mm, minimum passive leaf width 470 mm (depending on installation type)
- Interior and exterior doors with high access frequency
- Transom installation hinge and opposite hinge side
- Symmetrical and asymmetrical division of door possible

## 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 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 reception 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-IS/TS *                                                                |
| Leaf weight (max.) 1-leaf                              | 600 kg                                                                               |
| Minimum passive leaf width                             | 470 mm                                                                               |
| passive leaf width max.                                | 1400 mm                                                                              |
| active leaf width min.                                 | 856 mm                                                                               |
| active leaf width max.                                 | 1600 mm                                                                              |
| Reveal depth (max.)                                    | 160 mm                                                                               |
| Opening angle (max.)                                   | 136 °                                                                                |
| 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                                                                                |
| Service temperature                                    | -15 - 50 °C                                                                          |
| 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, MPS programme switch |
| Standard conformity                                    | DIN 18650, EN 16005                                                                  |
| Suitability for fire protection doors                  | Yes                                                                                  |
| Smoke switch integrated                                | Yes                                                                                  |

**PART****GC GR FOR GC 338**

Sensor roller guide rail Powerturn for GC 338 sensor strip



| Designation                  | Description                                                                               | Ident-No. | Colour           | Type of installation                     |
|------------------------------|-------------------------------------------------------------------------------------------|-----------|------------------|------------------------------------------|
| GC GR for GC 338 Powerturn   | For Powerturn / Powerturn F, installation on the hinge side, lever length 330 mm          | 157451    | according to RAL | Transom installation hinge side          |
| GC GR for GC 338 Powerturn   | For Powerturn / Powerturn F, installation on the opposite hinge side, lever length 450 mm | 157476    | EV1              | Transom installation opposite hinge side |
| GC GR for GC 338 Powerturn   | For Powerturn / Powerturn F, installation on the opposite hinge side, lever length 450 mm | 157477    | according to RAL | Transom installation opposite hinge side |
| GC GR for GC 338 Powerturn * | For Powerturn / Powerturn F, installation on the opposite hinge side, lever length 450 mm | 157475    | according to RAL | Transom installation opposite hinge side |
| GC GR for GC 338 Powerturn   | For Powerturn / Powerturn F, installation on the hinge side, lever length 330 mm          | 157472    | EV1              | Transom installation hinge side          |
| GC GR for GC 338 Powerturn   | For Powerturn / Powerturn F, installation on the hinge side, lever length 330 mm          | 157450    | EV1              | Transom installation hinge side          |
| GC GR for GC 338 Powerturn   | For Powerturn / Powerturn F, installation on the opposite hinge side, lever length 450 mm | 157474    | EV1              | Transom installation opposite hinge side |
| GC GR for GC 338 Powerturn   | For Powerturn / Powerturn F, installation on the hinge side, lever length 330 mm          | 157473    | according to RAL | Transom installation hinge side          |

**POWERTURN IS/TS PASSIVE LEAF \***

Passive leaf unit for the Powerturn IS/TS programme



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

**LINK ARM POWERTURN / POWERTURN F**

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



| Designation                      | Description                                                                                                        | Ident-No. | Colour           |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------|------------------|
| Link arm 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              |
| Link arm 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    | according to RAL |
| Link arm 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    | according to RAL |
| Link arm 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              |
| Link arm 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              |
| Link arm 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    | according to RAL |
| Link arm 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    | according to RAL |
| Link arm 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              |
| Link arm 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              |
| Link arm 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    | according to RAL |
| Link arm 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    | according to RAL |
| Link arm 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              |

**COVER POWERTURN**

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



| Designation                                  | Description                                                           | Ident-No. | Colour          |
|----------------------------------------------|-----------------------------------------------------------------------|-----------|-----------------|
| Cover Powerturn                              | Cover including end caps 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 |

| Designation     | Description                                                           | Ident-No. | Colour           |
|-----------------|-----------------------------------------------------------------------|-----------|------------------|
| Cover Powerturn | Cover including end caps and shaft covers painted in the cover colour | 160326    | according to RAL |

**POWERTURN / POWERTURN F ROLLER GUIDE RAIL**

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



| Designation                     | Description                                                                      | Ident-No. | Colour           | Type of installation                     |
|---------------------------------|----------------------------------------------------------------------------------|-----------|------------------|------------------------------------------|
| Roller guide rail Powerturn (F) | For transom installation opposite hinge side, length 691 mm, lever length 450 mm | 153813    | according to RAL | Transom installation opposite hinge side |
| Roller guide rail Powerturn (F) | For transom installation opposite hinge side, length 691 mm, lever length 450 mm | 153812    | EV1              | Transom installation opposite hinge side |
| Roller guide rail Powerturn (F) | For transom installation hinge side, length 691 mm, lever length 330 mm          | 153790    | according to RAL | Transom installation hinge side          |
| Roller guide rail Powerturn (F) | For transom installation hinge side, length 691 mm, lever length 330 mm          | 153787    | EV1              | Transom installation hinge side          |

**CONNECTOR PLUG POWERTURN / EMD 230 V**

230 V connection and GEZE logo for the Powerturn / EMD



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

# Powerturn F/R-IS/TS \*



## LINK ARM TS 4000 / 2000

Standard link arm



| Designation           | Description | Ident-No. | Colour                |
|-----------------------|-------------|-----------|-----------------------|
| Link arm TS 4000/2000 | Standard    | 102425    | according to RAL      |
| Link arm TS 4000/2000 | Standard    | 102421    | silver-coloured       |
| Link arm TS 4000/2000 | Standard    | 102423    | white RAL 9016        |
| Link arm TS 4000/2000 | Standard    | 102426    | Stainless steel optic |

## INSTALLATION KIT FOR MECHANISM FOR INTEGRATED CLOSING SEQUENCE CONTROL

For double leaf doors with closing sequence control to ensure the correct door closing sequence



| Designation                                                 | Description                                                                                                                           | Ident-No. |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Mechanism for integrated closing sequence control Powerturn | complete installation kit for mechanical closing sequence control for active and passive leaf (tested in accordance with DIN EN 1158) | 154838    |

## POWERTURN F/R

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



## GUIDE RAIL TS 5000 / 3000 VERTICALLY ADJUSTABLE \*

With height compensation +/- 2 mm and lever



| Designation                                | Description                              | Ident-No. | Colour           | Dimensions             |
|--------------------------------------------|------------------------------------------|-----------|------------------|------------------------|
| 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 |
| Guide rail TS 3/5000 vertically adjustable | Height compensation +/- 2 mm, with lever | 115192    | according to RAL | 448.5 x 30.5 x 20.5 mm |



## ACCESSORIES

### POWERTURN 230 V T-DISTRIBUTOR \*

Optional 230 V connection for external peripheral device



| Designation                     | 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 <sup>2</sup> ) | 166272    |

### 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%   |



**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 |

**ADAPTER FOR SENSOR LINK ARM**

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



| Designation                 | Description                               | Ident-No. | Colour           |
|-----------------------------|-------------------------------------------|-----------|------------------|
| Adapter for sensor link arm | For Powerturn, EMD / EMD-F and TSA 160 NT | 144352    | silver-coloured  |
| Adapter for sensor link arm | For Powerturn, EMD / EMD-F and TSA 160 NT | 153126    | according to RAL |

**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   |
| 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 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



# Powerturn F/R-IS/TS \*



| 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              |

## DPS

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



| Designation                                  | Description                                                                                                                                                                                    | Ident-No. | Colour       | Dimensions       | Operating voltage |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------|------------------|-------------------|
| Display programme switch DPS with OFF switch | Configuring the mode of operation as well as commissioning 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           |
| DPS with OFF switch and SCT key switch       | in combined double frame without Euro profile half cylinder                                                                                                                                    | 155810    | alpine white | 80 x 151 x 50 mm | 24 V DC           |

**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 |

**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



# Powerturn F/R-IS/TS \*



| 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 |

## 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 |

**MPS**

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



| Designation                        | Description                                                                                                                                                                                      | Ident-No. | Colour       | Dimensions      | Operating voltage |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------|-----------------|-------------------|
| MPS mechanical programme switch    | Setting of the mode of operation of automatic doors with rotary knob, LED fault display, IP rating IP40 / suitable for switch programmes with 55x55mm switch insert                              | 113226    | alpine white | 80 x 80 x 24 mm | 24 V DC           |
| MPS ST mechanical programme switch | 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 programmes with 55x55mm switch insert | 113227    | alpine white | 80 x 80 x 24 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 |

# Powerturn F/R-IS/TS \*



## GC 308 \*

Radars 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.