

# Product data sheet

# **Slimdrive EMD-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
- Transom installation hinge and opposite hinge side
- Single-action, single leaf, right and left closing doors
- Single-action doors up to 1400 mm leaf width or 230 kg weight
- Minimum leaf width 750 mm
- Interior and exterior doors with high access frequency
- Hold-open systems with integrated hold-open function – country-specific specifications must be observed

**PRODUCT FEATURES**

- Closing force with variable adjustment of EN 4-6
- 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
- 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
- Freely configurable inputs and outputs for different functions
- Can be networked, and integrated into the building automation via open standard (BACnet)

**TECHNICAL DATA**

|   |                     |
|---|---------------------|
| Productname   | Slimdrive EMD-F/R * |
| Leaf weight (max.) 1-leaf                                       | 230 kg              |
| Leaf width (min.-max.)  | 850 mm - 1400 mm    |
| Reveal depth (max.)   | 300 mm              |
| Door overlap (max.)   | 50 mm               |
| Drive type  | Electromechanical   |
| Opening angle (max.)  | 130 °               |
| 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 | No   |
| Door leaf installation hinge side with roller guide rail          | No   |
| Door leaf installation hinge side with link arm                   | No   |
| Mechanical latching action  | Yes  |
| Electrical latching action  | Yes  |
| Disconnection from mains  | Main switch in the drive   |
| Activation delay (max.)   | 20 s   |
| Operating voltage   | 230 V  |
| Power rating  | 230 W  |
| Power supply for external consumers (24 V DC)                     | 1000 mA  |
| Service temperature   | -15 - 50 °C  |
| Air humidity non-condensing (max.)                                | 95 %   |
| IP rating   | IP20   |
| Mode of operation   | Automatic, Permanently open, Night, Off, Shop closing                                |
| Automatic function  | Yes  |
| Low-energy function   | Yes  |
| function smart swing  | No   |
| Servo function  | Yes  |
| Obstacle detection  | Yes  |
| Automatic reversing   | Yes  |
| Push & Go   | adjustable   |
| Operation   | Programme switch integrated in the drive, Programme switch DPS, MPS programme switch |
| Parameter setting   | ST 220 service terminal, Programme switch DPS, GEZEconnects (PC + Bluetooth)         |
| Standard conformity   | DIN 18263-4, DIN 18650, EN 16005   |
| Approvals   | General building approval from DIBt as a hold-open system                            |
| Suitability for fire protection doors                             | Yes  |
| Smoke switch integrated   | Yes  |

**PART****COVER EXTENSION KIT SLIMDRIVE EMD \***

For the Slimdrive EMD swing door drive, including mounting plates and installation material



| Designation                          | Ident-No. |
|--------------------------------------|-----------|
| Intermediate cover kit Slimdrive EMD | 122770    |
| Cover extension kit Slimdrive EMD *  | 122781    |

**LINK ARM SLIMDRIVE EMD**

For transom installation on opposite hinge side for reveal depths of 0 - 400 mm



| Designation              | Description  | Ident-No. | Colour           |
|--------------------------|--|-----------|------------------|
| Link arm Slimdrive EMD   | for Slimdrive EMD / EMD-F, reveal depth 200-300 mm | 144389    | silver-coloured  |
| Link arm Slimdrive EMD   | for Slimdrive EMD / EMD-F, reveal depth 0-100 mm   | 144383    | according to RAL |
| Link arm Slimdrive EMD   | for Slimdrive EMD / EMD-F, reveal depth 0-100 mm   | 144381    | silver-coloured  |
| Link arm Slimdrive EMD * | for Slimdrive EMD / EMD-F, reveal depth 200-300 mm | 144391    | according to RAL |
| Link arm Slimdrive EMD * | for Slimdrive EMD / EMD-F, reveal depth 100-200 mm | 144387    | according to RAL |
| Link arm Slimdrive EMD   | for Slimdrive EMD / EMD-F, reveal depth 100-200 mm | 144385    | silver-coloured  |
| Link arm Slimdrive EMD   | for Slimdrive EMD / EMD-F, reveal depth 300-400 mm | 144395    | according to RAL |
| Link arm Slimdrive EMD   | for Slimdrive EMD / EMD-F, reveal depth 300-400 mm | 144393    | silver-coloured  |

**MOUNTING PLATE SLIMDRIVE EMD, INCL. ACCESSORIES**

For installing the drive on the frame or the door leaf



| Designation                                     | Ident-No. | Colour           |
|---|-----------|------------------|
| Mounting plate Slimdrive EMD, incl. accessories | 108529    | according to RAL |
| Mounting plate Slimdrive EMD, incl. accessories | 108526    | silver-coloured  |

**ROLLER GUIDE RAIL SLIMDRIVE EMD / EMD-F / EMD INVERS**

For transom installation on the hinge or opposite hinge side



| Designation                     | Description  | Ident-No. | Colour           | Type of installation            |
|---------------------------------|--|-----------|------------------|---------------------------------|
| Roller guide rail Slimdrive EMD | for transom installation (Slimdrive EMD Invers)  | 108053    | according to RAL | Transom installation            |
| Roller guide rail Slimdrive EMD | for transom installation hinge side (Slimdrive EMD / EMD-F)  | 108042    | silver-coloured  | Transom installation hinge side |
| Roller guide rail Slimdrive EMD | for transom installation (Slimdrive EMD Invers)  | 108048    | silver-coloured  | Transom installation            |
| Roller guide rail Slimdrive EMD | for transom installation hinge side (Slimdrive EMD / EMD-F)  | 108047    | according to RAL | Transom installation hinge side |
| Roller guide rail Slimdrive EMD | with deeper guide, for transom installation, length 710 mm, 30 x 30 mm   | 133242    | silver-coloured  | Transom installation hinge side |
| Roller guide rail Slimdrive EMD | with deeper guide, for door leaf installation Slimdrive EMD, for for transom installation Slimdrive EMD Invers, length 760, 30 x 30 mm | 133243    | silver-coloured  | Transom installation hinge side |

**ROLLER GUIDE RAIL SLIMDRIVE EMD / EMD-F \***

For transom installation on the opposite hinge side



| Designation                     | Description   | Ident-No. | Colour           | Type of installation                                |
|---------------------------------|---|-----------|------------------|---|
| Roller guide rail Slimdrive EMD | for transom installation opposite hinge side (Slimdrive EMD / EMD-F), DIN left  | 149941    | according to RAL | Transom installation opposite hinge side, DIN left  |
| Roller guide rail Slimdrive EMD | for transom installation opposite hinge side (Slimdrive EMD / EMD-F), DIN left  | 149918    | silver-coloured  | Transom installation opposite hinge side, DIN left  |
| Roller guide rail Slimdrive EMD | for transom installation opposite hinge side (Slimdrive EMD / EMD-F), DIN right | 149946    | according to RAL | Transom installation opposite hinge side, DIN right |
| Roller guide rail Slimdrive EMD | for transom installation opposite hinge side (Slimdrive EMD / EMD-F), DIN right | 149942    | silver-coloured  | Transom installation opposite hinge side, DIN right |

**SLIMDRIVE EMD-F/R**

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

**GC GR FOR GC 338 SLIMDRIVE EMD / EMD-F / INVERS**

Sensor roller guide rail Slimdrive EMD for GC 338 sensor strip



| Designation                      | Description   | Ident-No. | Colour           | Type of installation                                |
|----------------------------------|---|-----------|------------------|---|
| GC GR for GC 338 Slimdrive EMD   | DIN right, with deep guide, transom installation opposite hinge side (Slimdrive EMD-F / Invers), incl. lever and end caps               | 149962    | according to RAL | DIN right, Transom installation opposite hinge side |
| GC GR for GC 338 Slimdrive EMD   | DIN left, with deep guide, transom installation opposite hinge side (Slimdrive EMD-F / Invers), incl. lever and end caps                | 149956    | according to RAL | DIN left, Transom installation opposite hinge side  |
| GC GR for GC 338 Slimdrive EMD   | with deep guide, for transom installation hinge side (Slimdrive EMD / EMD-F) (Slimdrive EMD / EMD-F / Invers), incl. lever and end caps | 146206    | EV1              | Transom installation hinge side                     |
| GC GR for GC 338 Slimdrive EMD   | with deep guide, for transom installation hinge side (Slimdrive EMD / EMD-F) (Slimdrive EMD / EMD-F / Invers), incl. lever and end caps | 146209    | according to RAL | Transom installation hinge side                     |
| GC GR for GC 338 Slimdrive EMD   | DIN left, with deep guide, transom installation opposite hinge side (Slimdrive EMD-F / Invers), incl. lever and end caps                | 149952    | EV1              | DIN left, Transom installation opposite hinge side  |
| GC GR for GC 338 Slimdrive EMD   | DIN right, with deep guide, transom installation opposite hinge side (Slimdrive EMD-F / Invers), incl. lever and end caps               | 149958    | EV1              | DIN right, Transom installation opposite hinge side |
| GC GR for GC 338 Slimdrive EMD   | with deep guide, for transom installation hinge side (Slimdrive EMD / EMD-F) (Slimdrive EMD / EMD-F / Invers), incl. lever and end caps | 146210    | according to RAL | Transom installation hinge side                     |
| GC GR for GC 338 Slimdrive EMD * | DIN right, with deep guide, transom installation opposite hinge side (Slimdrive EMD-F / Invers), incl. lever and end caps               | 149959    | EV1              | DIN right, Transom installation opposite hinge side |
| GC GR for GC 338 Slimdrive EMD   | with deep guide, for transom installation hinge side (Slimdrive EMD / EMD-F) (Slimdrive EMD / EMD-F / Invers), incl. lever and end caps | 146205    | 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  |

**GC GR EMD W/ SCREWABLE ROLLER BOLT**

configurable, with C-profile and screwable roller bolt



| Designation                    | Description  | Ident-No. | Colour |
|--------------------------------|--|-----------|--------|
| GC GR for GC 338 Slimdrive EMD | configurable, with C-profile and screwable roller bolt | 195328    | EV1    |

**EMD RAIL WITH SCREW-IN BOLTS**

configurable, with C-profile and screwable roller bolt



| Designation                     | Description  | Ident-No. | Colour |
|---------------------------------|--|-----------|--------|
| Roller guide rail Slimdrive EMD | configurable, with C-profile and screwable roller bolt | 195327    | EV1    |

**ACCESSORIES****SPINDLE EXTENSION SLIMDRIVE EMD**

Available length 26 mm



| Designation                     | Description | Ident-No. | Colour           |
|---------------------------------|-------------|-----------|------------------|
| Spindle extension Slimdrive EMD | V = 26 mm   | 082922    | white RAL 9016   |
| Spindle extension Slimdrive EMD | V = 26 mm   | 082920    | dark bronze      |
| Spindle extension EMD           | V = 26 mm   | 082923    | according to RAL |
| Spindle extension EMD           | V = 26 mm   | 082919    | silver-coloured  |

### 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 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 |



### 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 |

| Designation           | Description  | Ident-No. | Colour                 | Dimensions       | Output                          |
|-----------------------|--|-----------|------------------------|------------------|---------------------------------|
| 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 |

### 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 |

**RESET BUTTON CABLE HARNESS \***

Reset button for fire alarm event for Powerturn F / EMD-F



| Designation                                  | Ident-No. |
|--|-----------|
| Reset button cable harness 200mm *           | 180408    |
| Cable harness reset button 540 mm (EMD-F) *  | 180409    |
| Cable harness reset button 1360 mm (EMD-F) * | 185843    |

**DOOR TRANSMISSION CABLE SLIMDRIVE EMD \***

For door leaf installation



| Designation                             | Ident-No. |
|---|-----------|
| Door transmission cable Slimdrive EMD * | 114980    |

### PROGRAMME SWITCHES \*

For the Slimdrive EMD swing door drive



| Designation                               | Description                       | Ident-No. |
|---|-----------------------------------|-----------|
| Programme switch (EMD/EMD-F/EMD Invers) * | Length 1360 mm, incl. accessories | 180200    |
| Programme switch (EMD/EMD-F/EMD Invers) * | Length 640 mm, incl. accessories  | 110198    |

### INTEGRATED OPENING RESTRICTOR \*

For limiting the opening angle



| Designation                     | Description   | Ident-No. |
|---------------------------------|---|-----------|
| Integrated opening restrictor * | for sensor roller guide rail GC GR and roller guide rail with deep guide (TSA 160 NT and Slimdrive EMD) | 181495    |
| Integrated opening restrictor * | Easy installation in the roller guide rail of TSA 160 NT and Slimdrive EMD                              | 167272    |

### 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 |

| Designation                    | Description   | Ident-No. | Colour | Dimensions       | Output                          |
|--------------------------------|---|-----------|--------|------------------|---------------------------------|
| GC 342+<br>(right module)<br>* | 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+<br>(right module)<br>* | 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              |

### 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           |

### INTERLOCKING DOOR SYSTEM FUNCTION \*

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



| Designation                         | Ident-No. | Dimensions        | Type of installation                                     |
|-------------------------------------|-----------|-------------------|--|
| Interlocking door system function * | 109072    | 192 x 164 x 87 mm | Surface-mounted installation, Flush-mounted installation |

**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 |

**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           |



### 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 \***

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 |

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**LS 990 ROCKER PUSH BUTTON**

Activation of all GEZE automatic doors



| <b>Designation</b>        | <b>Ident-No.</b> | <b>Colour</b>   | <b>Dimensions</b> | <b>Type of installation</b> |
|---------------------------|------------------|-----------------|-------------------|-----------------------------|
| LS 990 rocker push button | 098396           | Stainless steel | 81 x 81 x 11 mm   | Flush-mounted installation  |

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\* 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.