[Item: …………..]

**SG600 Motorized ADA Compliant Swing Gate**

Electric motor driven swing gate for barrier-free access. Compact accommodation of drive and control system in the center column.

Function:

* Comfortable contact free usage
* Complete opening of swing door for a convenient passage
* Quick opening times (2,0 s – 5,5 s depending on wing size and material)
* Automatic closing after set time span
* 2-way operation in entry and exit direction
* Addition to other access control systems for barrier-free access or luggage and material transport
* Ideal for usage in escape routes
* Installation as single or double swing door with a total passage width of up to 2400 mm
* Integrated pulse counter with separate counting for both directions
* Error history (logs) for technical service
* Indoor and outdoor usage
* Random generator for checking persons and bags

Design:

* Design housing with flowing lines, slender silhouette and tender forms
* Floor illumination (option)
* No visible connection elements
* Color design in basalt (sides) and anthracite (frame)
* Optional: customer-specific Color

Drive system/safety & security:

* Certified (TÜV Süd) low energy drive system (for maximum personal safety) with max. 1.69J, static opening and closing force max. 67N   
  (according to prEN17352:2019, Performance Level d)ÖNORM EN 17352:2019-03-01
* Integrated drive system (brushless DC motor) for at least 10 million cycles (MCBF), certified according to EN 60335-2-103EN 60335-2-103:2015
* Duty cycle S1 (continuous operation), 100% according to DIN EN 60034OVE EN IEC 60034-1:2021-04-15
* Secure position or free rotation in case of alarm signal
* Free rotation in both directions in the case of power outage
* Automatic return to home position upon power return or reset of alarm signal
* Gate transmits warning notification in case of forced entry

Electric/Software: Integrated control system with display for parameterization and set-up

* Functions and parameters can be activated and parameterized as well as switched via I/O connections: passage direction, hold-open time, passage direction indication, illumination options, behavior in case of alarm, notification in case of forced entry
* Connection for 100 – 240 VAC, 50/60 Hz
* Connections for all current card reader systems
* 8 digital inputs with free allocable functions
* 4 digital outputs and 6 output relays for illumination control and status readout (freely allocable)
* 3 connector slots for extension modules
* Connectable via Ethernet interface

Housing:

* Aluminium profile with polyurethane varnishing
* Resistance against scratches, shocks and wear
* Resistant against corrosion, UV light, detergents and disinfectants
* Swinging element made from glass, acrylic glass or metal u-bar
* Protection class: IP54

Dimensions:

* Housing dimensions: 1092 x 178 mm (H x D)
* Passage width: 1000 mm (Standard) / 1200 mm (wide lane) / Specials on request
* Barrier height: 994 mm (Standard) / 1800 mm (full-height version) / Specials on request
* Total unit dimension for standard passage width (1000 mm): 1118 x 178 x 1092 mm (W x D x H)
* Installation space for card reader in card reader post: 60 x 80 x 40 mm (W x H x D)
* Opening angle adjustable from 0° to 300°

Installation:

* Screw mounting on stable floor surface
* Alternative mounting on unfinished floor by use of adjustable foundation frame (see accessories)
* Alternative glue mounting by use of a metal base plate (see accessories)
* Paving stone mounting (see accessories)
* Platform (see accessories)

Temperature range: -30 to +55 °C

Weight: approx. 89lbs

Installation execution by manufacturer trained installation specialist, including user training and hand-over of inspection manual, operation manual declaration of conformity according to EC machinery directive/ low voltage directive, EMC directive