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### **Speed Gate Magnetic FlowMotion® Wing Gate mWing FMWG-M**

Electric motor driven wing gate (speed gate) for barrier-free access for access control in office, industry and administration buildings

#### Function:

- Comfortable contact free usage
- Complete opening of swing door for a convenient passage
- Quick opening times (0.6s – 1 s depending on wing size and material)
- Early open functionality
- Open gate option
- Automatic closing after set time span
- 2-way operation in entry and exit direction
- Integrated pulse counter with separate counting for both directions
- Error history for technical service
- Indoor and outdoor installation

#### Design:

- Design housing with flowing lines, slender silhouette and tender forms
- Frame illumination and floor illumination (option)
- No visible connection elements
- Decent colour design in basalt (sides) and anthracite (frame) or in customer-specific colours

#### Safety & security:

- Sensitive impact detection for utmost passenger safety (< 400N according to EN12453)
- Low energy drive system with max. 1.69J, static opening and closing force max. 67N (according to EN 16005)
- Secure position or free rotation in case of alarm signal
- Free rotation in both directions in the case of power outage
- Automatic return to closed position upon power return or reset of alarm signal
- Gate transmits warning notification in case of forced entry
- Random generator for the control of persons and bags
- No under-crawling
- No over-climbing through different wing height options of up to 1800 mm
- Controlled internal gate area for additional passenger safety
- Prevention of tailgating or backpacking
- Detection of passage direction and alarm in case of wrong passage direction

#### Control and drive system:

- Integrated MGC control system with display for parameterization and set-up
- Integrated MHTMTM drive system for minimum 10 million opening and closing cycles (MCBF)
- 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 (free allocable)
- USB and LAN connection for firmware update and remote access
- Integrated web server

#### Control and drive system:

- Integrated MHTM™ drive system for minimum 10 million opening and closing cycles (MCBF)
- Integrated MGC 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, behaviour 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
- USB and LAN connection for firmware update and remote access
- Integrated web server

Materials:

- Housing: 2 component-polyurethane mDure
- Highly resistant to impacts, scratches and abrasion
- Resistant against corrosion, UV light, detergents and disinfectants
- Environmentally friendly disposal as household garbage
- Enclosure protection rating: IP54
- Blocking element: single-layer safety glass or acrylic glass

Dimensions:

- Housing dimensions: 1300 x 1050 x 180 (L x H x D)
- Passage width: 600 mm (Standard) / 900 mm (wide lane) / Specials on request
- Wing height: 889 mm (Standard) / 1800 mm (full-height version) / Specials on request
- Total width for standard passage width: 960 mm
- Installation space for card reader in card reader post: 60 x 80 x 40 mm (W x H x D)

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)

Temperature range: -30 to +55 °C

Weight: approx. 40 kg

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

Manufacturer: Magnetic Autocontrol GmbH  
Type: mWing Master Module FMWG-M-MM

For passage width of: ..... Wing height: .....  
Material of wing element (glass/ acrylic): ..... Housing colour: .....  
Number: ..... Unit: pieces Unit price: ..... Total: .....

Manufacturer: Magnetic Autocontrol GmbH  
Type: mWing Slave Module FMWG-M-SM

For passage width of: ..... Wing height: .....  
Material of wing element (glass/ acrylic): ..... Housing colour: .....  
Number: ..... Unit: pieces Unit price: ..... Total: .....

Manufacturer: Magnetic Autocontrol GmbH  
Type: mWing Master/Slave Module FMWG-M-MSM – model 1

For passage width of (master side): ..... For passage width of (master side): .....

Wing height: ..... Material (glass/ acrylic): ..... Housing colour: .....

Number: ..... Unit: pieces Unit price: ..... Total: .....

Manufacturer: Magnetic Autocontrol GmbH  
Type: mWing Master/Slave Module FMWG-M-MSM – model 2

For passage width of (master side): ..... For passage width of (master side): .....

Wing height: ..... Material (glass/ acrylic): ..... Housing colour: .....

Number: ..... Unit: pieces Unit price: ..... Total: .....

## Options for Speed Gate Magnetic FlowMotion® Wing Gate mWing FMWG-M

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### Option Frame Illumination RLED100

Circular frame illumination in red and green with separate activation for entry and exit flank. Can be used for indication of ready for passage state. Can be switched on/off.

Manufacturer: Magnetic Autocontrol GmbH  
Type: RLED100 – Frame illumination FlowMotion® 1300 mm

Number: ..... Unit: pieces Unit price: ..... Total: .....

[Item: .....]

### Option Floor illumination BOLED100

LED floor illumination as design light and for additional passenger navigation. Can be switched on/off.

Manufacturer: Magnetic Autocontrol GmbH  
Type: BOLED100 – Floor illumination FlowMotion® 1300 mm

Number: ..... Unit: pieces Unit price: ..... Total: .....

[Item: .....]

### Option Passage indicator GED 100/ GED101

Indication of passage readiness state GED (Gate End Display) for information about passage direction by use of LED light as green or red arrow. Available as left-hand and right-hand version for installation on both sides of the FlowMotion® pedestrian gate or within the card reader post mPost.

Manufacturer: Magnetic Autocontrol GmbH  
Type: GED100 – Passage indicator GED, left-hand

Number: ..... Unit: pieces Unit price: ..... Total: .....

Manufacturer: Magnetic Autocontrol GmbH  
Type: GED101 – Passage indicator GED, right-hand

Number: ..... Unit: pieces Unit price: ..... Total: .....

[Position: .....]

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**Option Buzzer ESU01**

Buzzer for the optional indication of a forced passage attempt, a random generator hit or a functional error. Always built in the master module in combination with FlowMotion® speed gates.

Manufacturer: Magnetic Autocontrol GmbH  
Type: ESU01 – Buzzer

Number: ..... Unit: pieces Unit price: ..... Total: .....

[Item: .....]

**Option Signalization LED DLED100**

Signalization LED in red for the optional indication of a forced passage attempt, a random generator hit or a functional error. Always built in the master module in combination with FlowMotion® speed gates.

Manufacturer: Magnetic Autocontrol GmbH  
Type: DLED100 – Signalization LED FlowMotion®

Number: ..... Unit: pieces Unit price: ..... Total: .....

[Item: .....]

**Option Mounting uplift EP**

Uplift for pre-mounting of all applicable option within the FlowMotion® pedestrian gate.

Manufacturer: Magnetic Autocontrol GmbH  
Type: EP – Einbaupauschale

Number: ..... Unit: pieces Unit price: ..... Total: .....

## Accessories for Speed Gate Magnetic FlowMotion® Wing Gate mWing FMWG-M

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### Fixation set BSS100

Installation material for screw-mounting of a FlowMotion® pedestrian gate on the finished floor surface, including gluing capsule and screw connection with internal thread.

Manufacturer: Magnetic Autocontrol GmbH  
Type: BSS100 – Fixation set FlowMotion® 1300 mm

Number: ..... Unit: pieces Unit price: ..... Total: .....

[Item: .....]

### Foundation frame FURA100

#### Fixation set BSSFURA100

Foundation frame for the installation of a FlowMotion pedestrian gate with a housing length of 1300 mm on the unfinished floor.

Manufacturer: Magnetic Autocontrol GmbH  
Type: FURA100 – Foundation frame FlowMotion® 1300 mm

Number: ..... Unit: pieces Unit price: ..... Total: .....

Manufacturer: Magnetic Autocontrol GmbH  
Type: BSSFURA100 – Fixation set for foundation frame FlowMotion®

Number: ..... Unit: pieces Unit price: ..... Total: .....

[Item: .....]

### Gluing base plate KLP100

#### Fixation set BSSKL100

Installation material for screw-mounting of a FlowMotion® pedestrian gate on a base plate used for gluing on the finished floor surface.

Manufacturer: Magnetic Autocontrol GmbH  
Type: KLP100 – Gluing base plate FlowMotion® 1300 mm

Number: ..... Unit: pieces Unit price: ..... Total: .....

Manufacturer: Magnetic Autocontrol GmbH  
Type: BSSKL100 – Fixation set for gluing base plate FlowMotion®

Number: ..... Unit: pieces Unit price: ..... Total: .....

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**Emergency push button NT100**

For triggering an emergency signal used to switch the wing gate mWing in free passage operation or to drive the wing into a defined secure position. When reset, the wings of mWing return into the home position and the gate returns into normal operation mode.

Manufacturer: Magnetic Autocontrol GmbH  
Type: NT100 – Emergency push button FlowMotion®

Number: ..... Unit: pieces Unit price: ..... Total: .....

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**Railing system mGuide**

Passenger guidance system for installation in parallel to a mTripod turnstile pedestrian gate or as boundary between controlled section and open accessible section.

- Frame material: stainless steel
- Glass panels made of single-layer safety glass (ESG), laminated safety glass (VSG) or acrylic glass
- Barrier width customized between 40 up to 1300 mm
- Dimensions (H x D): 1000 x 10 mm (Diameter 105 mm at base socket)

Manufacturer: Magnetic Autocontrol GmbH  
Type: mGuide – Railing system

Length: .....

Number: ..... Unit: pieces Unit price: ..... Total: .....