M-DOOR GM Push button

Glass Mount - Product Configuration

Company

Project

Select your activity Please select

Part Nr

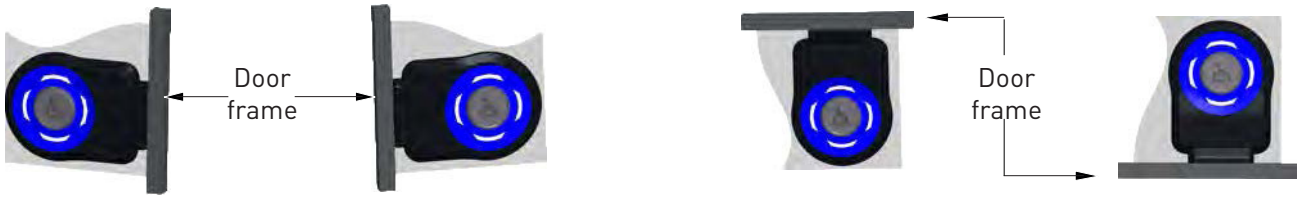
Door manufacturer

⚠ This file is interactive, Please 'Select' or 'click' when mentioned to guide you through your selection

⚠ To fully use the interactivity of the document Please open it with Adobe Acrobat PDF

1 PRODUCT POSITION (*VIEW FROM INSIDE*)

◯ Left ◯ Right ◯ Bottom ◯ Top

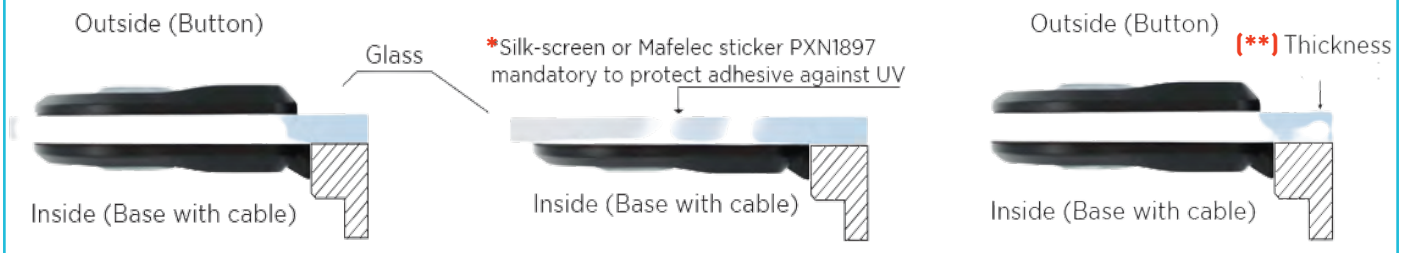


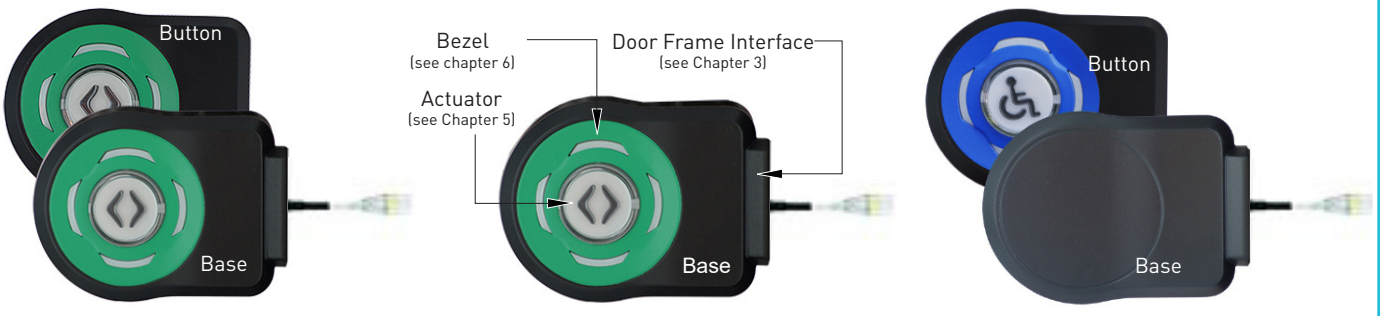
2 PRODUCT TYPE

◉ Double side ◯ Single side inside (*) ◯ Single side outside

Do you need a Mafelec sticker ?

Yes No



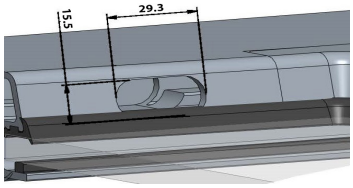


**Single or double glazing thickness: 3 to 20 mm (limited to 3-16 mm with touchless option)

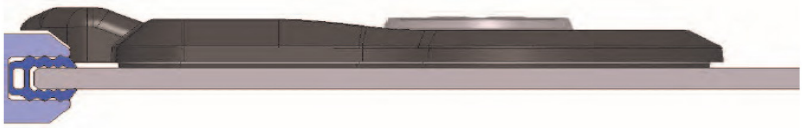
3 DOOR FRAME INTERFACE

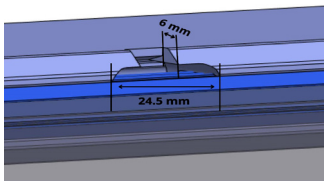
◯ Standard bus door frame angle: 90°

◯ Existing Tramway interface



◯ Existing Train internal door interface





◯ Other (Please provide your door frame information)

4 M-SAFE FEATURES

To protect your clients of microbes spread and contamination !

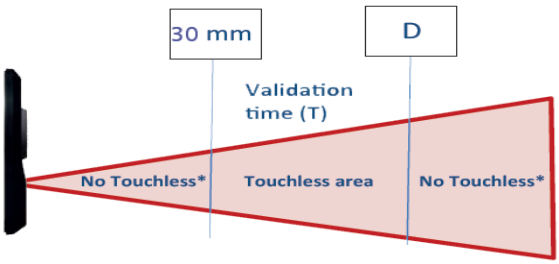
M - SAFE

Touchless actuation

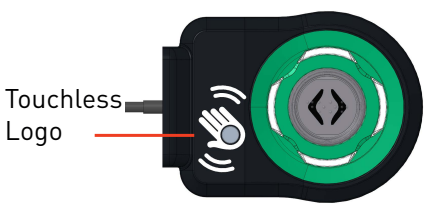
◯ Without ◯ With

◯ Standard setup ◯ Customized setup

		Inside	Outside
D (*mm*) = 80	D (*mm*): *(D max = 100 mm)*		
T (*ms*) = 200	T (*ms*): *(T min = 200 ms)* *(T max = 500 ms)*		



*Touchless calibration for standard target (ungloved hand). Activation threshold will vary according to target type.



Notes: T is the time required between the detection and the validation

5 ACTUATOR

5a - Existing configuration

Visual symbol											
Relief symbol or braille		«Door»	«Open»			«Stop»	«Open»	«Ramp»		«Stop»	«Door»
Inside	○	○	○	○	○	○	○	○	○	○	○
Outside	○	○	○	○	○	○	○	○	○	○	○

Visual symbol						
Relief symbol or braille	«Stop»	«Ramp»	«Stop»	None	«Door»	«Stop»
Inside	○	○	○	○	○	○
Outside	○	○	○	○	○	○

5b - Customized configuration

Visual symbol									None
Inside	○	○	○	○	○	○	○	○	○
Outside	○	○	○	○	○	○	○	○	○

Other *(Please provide a drawing)*

Inside: ○ Inside drawing

Outside: ○ Outside drawing

Notes: Select a relief or a braille symbol but not both.

Braille	«Stop»	«Door»	«Open»	«Call»	«Ramp»	«SOS»	None
Inside	○	○	○	○	○	○	○
Outside	○	○	○	○	○	○	○

Relief symbol					None
Inside	○	○	○	○	○
Outside	○	○	○	○	○

Other *(Please provide a relief or braille drawing)*

Inside: ○ Inside drawing

Outside: ○ Outside drawing

6 BEZEL

Color: (Ral)	Green 6024	Dark blue 5017	Yellow 1018	Red 3018	Grey 7040	Orange 2009	Other color (Indicate your color)
Inside	○	○	○	○	○	○	○
Outside	○	○	○	○	○	○	○

7 ELECTRICAL FEATURES

7a - Voltage nominal values

○ 12 Vdc ○ 24 Vdc ○ Other on request *(please precise)*

7b - Polarizations

○ Standard configuration

	0V (LS)	+Vbatt (HS)
IN_1		X
IN_2		X
SW_OUT		X

○ Other configurations

	0V (LS)	+Vbatt (HS)
IN_1		
IN_2		
SW_OUT		

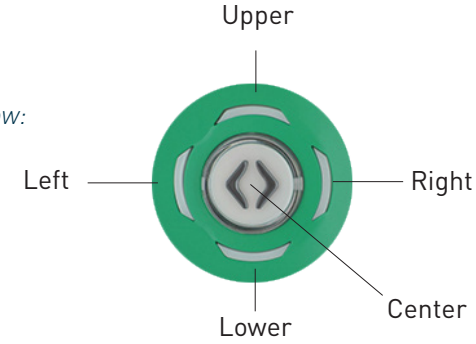
7c - Lighting

○ Standard VERTICAL GREEN

○ Customized lighting configuration

Notes: Following electrical layout selection, configure your lighting in ***§ 7g*** *according to the criteria below:*

- *Setting of each area independently,*
- *If asynchronous, specify indoor and outdoor configurations,*
- *2 possible lighting colors per each area with or without flashing.*



For other requests, please contact us

7d - Inside / outside button synchronization *(case of double side product only)*

○ Synchronous

○ Asynchronous
(Different status between inside and outside buttons)

7e - Flashing lighting

(Click yes if you need flashing for at least 1 of your product status)

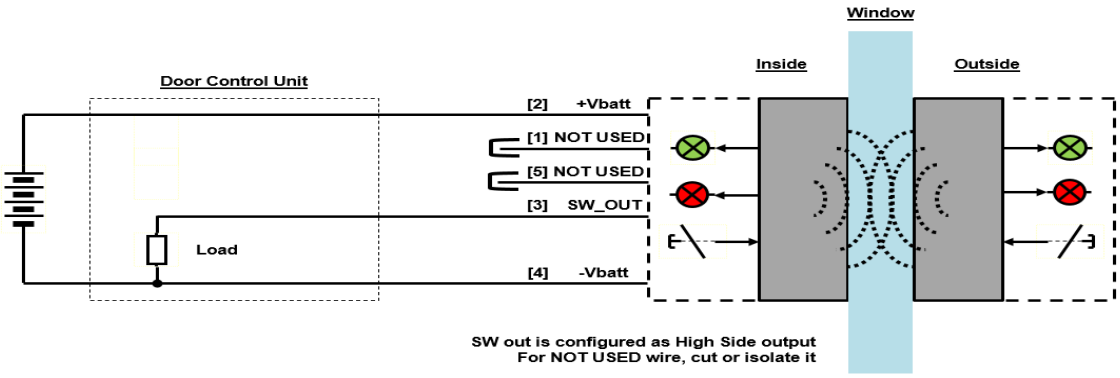
○ Yes

○ No

7f - Electrical layout

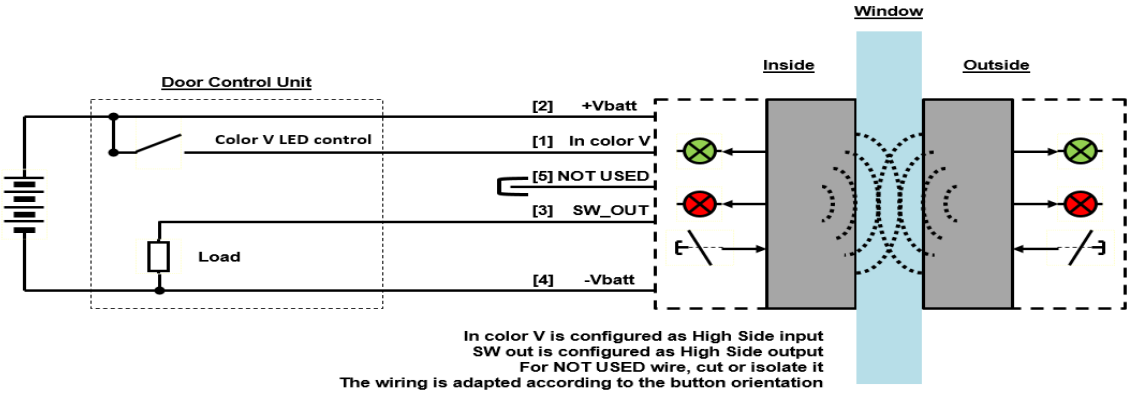
○ 3 wires layout (example for vertical green double button)

Notes: Cable delivered with 5 wires on output. For "NOT USED" wires, cut or isolate it.

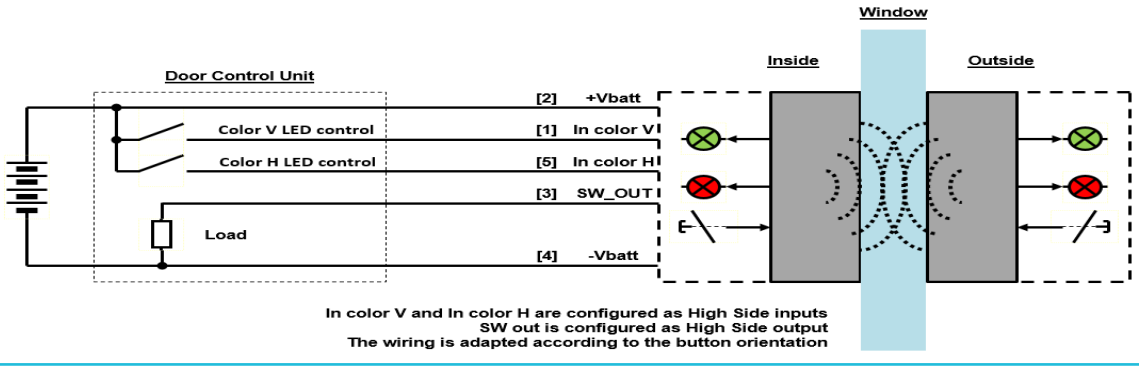


○ 4 wires layout (example for vertical green double button)

Notes: Cable delivered with 5 wires on output. For "NOT USED" wires, cut or isolate it.



○ 5 wires layout (example for vertical green double button)



7g - Electrical combination

Existing vertical green electrical combination

Notes: Without flashing / only for synchronous version in the case of double button.

3 wires layout

Base and button

+VDC	Actuator	SW_OUT	Center light	Upper light	Lower light	Left light	Right light
ON	Released	OFF	Green	Green	Green	OFF	OFF
ON	Pressed	ON	Red	OFF	OFF	Red	Red

4 wires layout

Base and button

+VDC	Actuator	IN_1	SW_OUT	Center light	Upper light	Lower light	Left light	Right light
ON	Released	Inactive	OFF	OFF	OFF	OFF	OFF	OFF
ON	Pressed	Inactive	ON	Red	OFF	OFF	Red	Red
ON	Released	Active	OFF	Green	Green	Green	OFF	OFF
ON	Pressed	Active	ON	Red	OFF	OFF	Red	Red

5 wires layout
(Semi autonomous)

Base and button

+VDC	Actuator	IN_1	IN_2	SW_OUT	Center light	Upper light	Lower light	Left light	Right light
ON	Released	Inacive	Inactive	OFF	OFF	OFF	OFF	OFF	OFF
ON	Pressed	Inactive	Inactive	ON	Red	OFF	OFF	Red	Red
ON	Released	Active	Inactive	OFF	Green	Green	Green	OFF	OFF
ON	Pressed	Active	Inactive	ON	Red	OFF	OFF	Red	Red
ON	Released	Inactive	Active	OFF	Red	OFF	OFF	Red	Red
ON	Pressed	Inactive	Active	ON	Red	OFF	OFF	Red	Red
ON	Released	Active	Active	OFF	Red	OFF	OFF	Red	Red
ON	Pressed	Active	Active	ON	Red	OFF	OFF	Red	Red

5 wires layout
(Non autonomous)

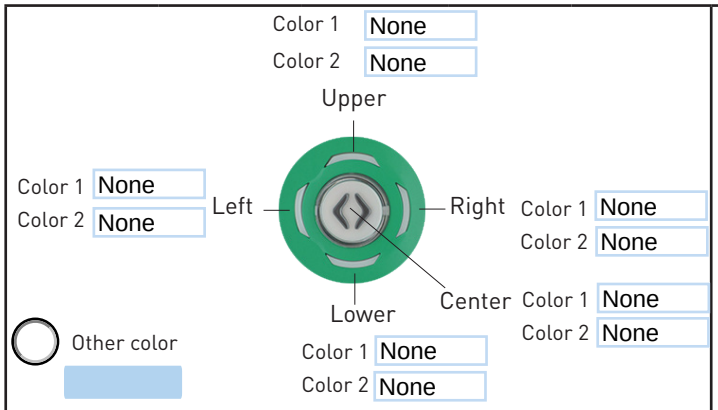
Base and button

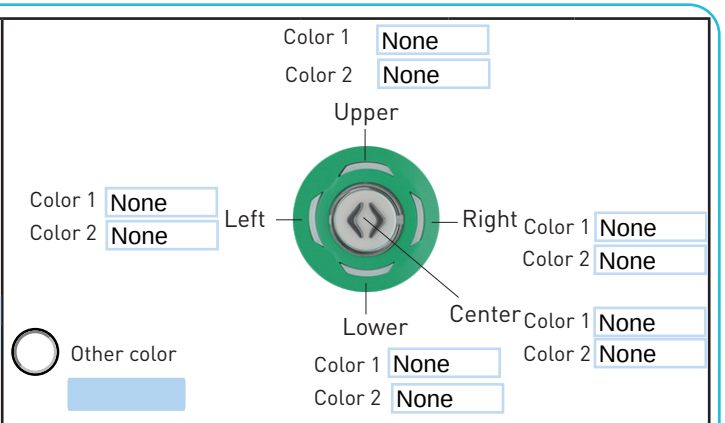
+VDC	Actuator	IN_1	IN_2	SW_OUT	Center light	Upper light	Lower light	Left light	Right light
ON	Released	Inacive	Inactive	OFF	OFF	OFF	OFF	OFF	OFF
ON	Pressed	Inactive	Inactive	ON	OFF	OFF	OFF	OFF	OFF
ON	Released	Active	Inactive	OFF	Green	Green	Green	OFF	OFF
ON	Pressed	Active	Inactive	ON	Green	Green	Green	OFF	OFF
ON	Released	Inactive	Active	OFF	Red	OFF	OFF	Red	Red
ON	Pressed	Inactive	Active	ON	Red	OFF	OFF	Red	Red
ON	Released	Active	Active	OFF	Red	OFF	OFF	Red	Red
ON	Pressed	Active	Active	ON	Red	OFF	OFF	Red	Red

Customized electrical combination

Flashing lighting frequency:
(Frequency is unique for base and button for all areas, whatever the status)

1Hz 2Hz Other frequency (Hz)





Base and button

Button (Only for asynchronous double button version)

+VDC	Base actuator	Button actuator	IN_1	IN_2	SW_OUT	Center light	Upper light	Lower light	Left light	Right light	Center light	Upper light	Lower light	Left light	Right light
ON	Released	Released	Inactive	Inactive	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	**Pressed**	Released	Inactive	Inactive	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	Released	**Pressed**	Inactive	Inactive	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	**Pressed**	**Pressed**	Inactive	Inactive	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	Released	Released	**Active**	Inactive	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	**Pressed**	Released	**Active**	Inactive	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	Released	**Pressed**	**Active**	Inactive	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	**Pressed**	**Pressed**	**Active**	Inactive	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	Released	Released	Inactive	**Active**	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	**Pressed**	Released	Inactive	**Active**	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	Released	**Pressed**	Inactive	**Active**	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	**Pressed**	**Pressed**	Inactive	**Active**	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	Released	Released	**Active**	**Active**	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	**Pressed**	Released	**Active**	**Active**	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	Released	**Pressed**	**Active**	**Active**	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ON	**Pressed**	**Pressed**	**Active**	**Active**	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

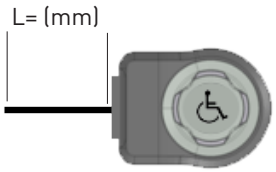
8 CABLE

8a - Cable type

- ◯ Bus & Coaches (ECER118)
- ◯ Railway (EN50306-4)
- ◯ Other cable type *(Please precise)*

8b - Cable length

- ◯ L = 100
- ◯ L = 300
- ◯ L = 1700
- ◯ L = 2000
- ◯ L = 2200
- ◯ L = 3000
- ◯ Other on request: L =



9 CONNECTION

9a - Existing connection type

◯ Without connector (stripped cable)

Wire	PIN OUT
1	IN_1
2	+VDC
3	SW_OUT
4	0V
5	IN_2

◯ Without MOLEX female contact Ref. 43030-0001

Wire	PIN OUT
1	IN_1
2	+VDC
3	SW_OUT
4	0V
5	IN_2

◯ With JST female contact Ref. SJ2F-21GF-P1.0

Wire	PIN OUT
1	IN_1
2	+VDC
3	SW_OUT
4	0V
5	IN_2

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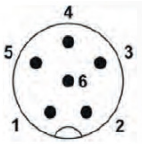
www.mafelec.com - contact@mafelec.fr

○ With connector M8x1



Wire	PIN OUT
1	IN_1
2	+VDC
3	SW_OUT
4	0V
5	IN_2
6	Not used

○ Specific connection type
(please provide a drawing or part number)

9b - Delivery type *(only if specific connection selected above)*

○ No connector housing required

○ Connector housing required but not assembled on cable

○ Connector housing assembled on cable (precise your pinout in the table)

	PIN OUT
	IN_1
	+VDC
	SW_OUT
	0V
	IN_2

10 OTHER REQUEST / COMMENT

RESET SAVE

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