M-Door GM
*M-SAFE**

*M-SAFE features

Double or single pushbutton for glass mount without drilling

→ **2 switching modes:**
  › Pushbutton for visually impaired
  › Touchless* (optional)

→ **Antimicrobial surface* (optional)**
  › **99,8%** bacteries killed

→ **Auto synchronized pushbuttons on glass from 3 to 20mm (no pairing)**

→ **Possible asynchronous status between inside and outside pushbutton**

Mechanical characteristics:

- Operating temperature: - 40°C / + 85°C
- Storage conditions : see YNN4091
- Mechanical service life > 3 000 000 operations
- Protection : IP65 external button / IP44 internal button
- Activation force <12N and click! - Motion < 2 mm
- High performance adhesive (on glass)
- Single and double glazing thickness: 3 to 20 mm
- Acceptable glass curve > 10m
- Compatible heat treated glass
- Frame interface angles: 90° standard *(other angles adaptable on request)*
- Minimum cable bending radius: ø 22mm

Standards:

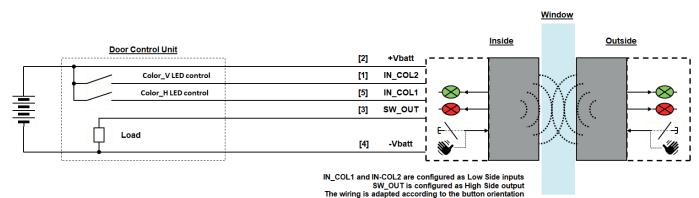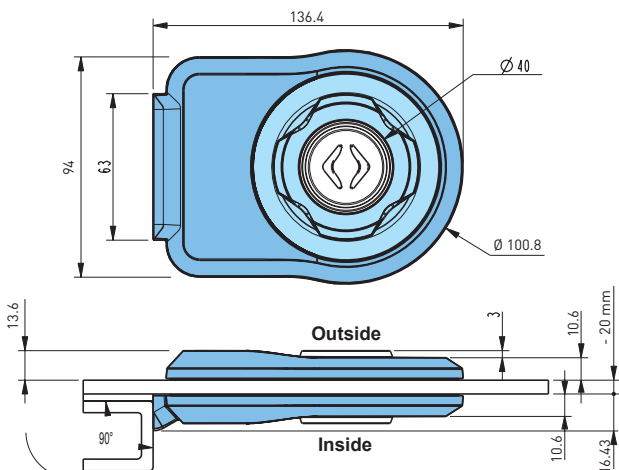|		
Application	EN 14752, TSI PRM, EN16584-2, EN 50155, Decree May 3, 2007	
EMC	CISPR25, ECER10, EN50121-3-2	
Environment	ISO 16 750, EN 60529, EN 60068, EN 61373	
Fire & smoke	ECER118, EN 45545-2	
Antimicrobial	ISO 22196	
RED Directive		
REACH / ROHS		

Luminous characteristics:

- Each lighting area configurable independently (fixed or flashing)
- Unlimited choice of backlit pictograms, with color change
- LED colors on request
- Luminous intensity >30 cd/m²

Electrical characteristics:

- Voltage : 12 Vdc or 24 Vdc (other voltages on request)
- Max current on SW_OUT = 200mA
- Reverse polarity protection and overvoltage
- Long service life (LED technology)
- Electrical diagram (example)*

Dimensions:

Options:

- Extreme temperatures -50°C to +85°C
- Large choice of colors
- Raised pictograms
- Braille
- Cable and connector choice
- Customized electronics
- Shapes adapted to the frame interface