

# MAGIC SWITCH IP65

## INTENTIONAL OPENING SENSOR FOR INDUSTRIAL DOORS

Commercial sheet

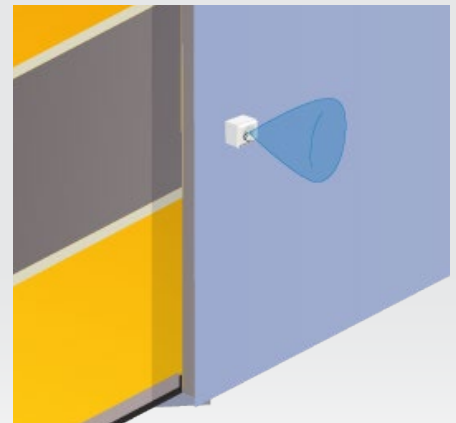
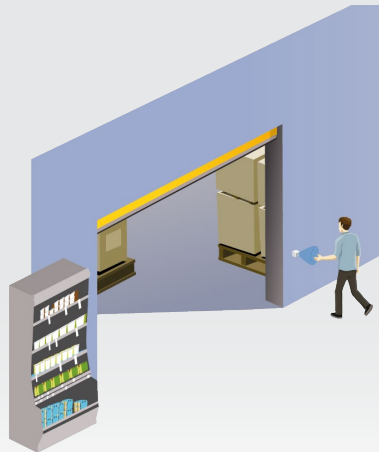


### INTENTIONAL HYGIENIC OPENING

#### DESCRIPTION

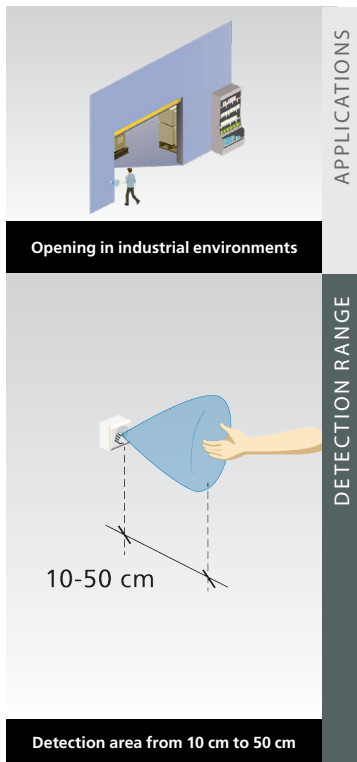
The **MAGIC SWITCH IP65** is an alternative contactless solution to push-buttons, pull-cords and other manual activators. It embeds a radar reacting to every intentional motion approaching and allowing to activate the door without any physical contact with the sensor.

It is mainly used when contact with the sensor should be avoided and a high protection degree against dust and splashing water is required. The **MAGIC SWITCH IP65** is an optimal solution in sensitive environments (food industry, cleanrooms, storage areas, ...).



### PERFORMANCES

- Ideal protection against infiltration of dust and splash water
- Ideal hygienic solution in sensitive environments (food industry, cleanrooms, storage areas, ...)
- Adjustable detection zone from 10 to 50 cm
- Alternative to push-buttons and other manual solutions



## APPLICATIONS

- Food industry, cleanrooms, logistics, storage areas ...

## INSTALLATION

- Adjustable detection area via potentiometer
- Door or switch application via DIP-switch
- IP65 housing

## TECHNICAL SPECIFICATIONS

<b>Technology</b>	Microwave motion sensor
<b>Radiated frequency</b>	24.150 GHz
<b>Radiated power density</b>	< 5 mW/cm <sup>2</sup>
<b>Transmitter radiated power</b>	< 20 dBm EIRP
<b>Detection range (hand)</b>	+/- 10 to 50 cm if movement towards sensor at 90° (adjustable)*
<b>Detection mode</b>	Motion (bidirectional)
<b>Min. detection speed</b>	Min. 5 Hz ou +/-3 cm/s, Max. 200 Hz ou +/-1,2 m/s
<b>Supply voltage</b>	12 - 24 V AC +/-10% 12 - 24 V DC +30% / -10%
<b>Mains frequency</b>	50-60 Hz
<b>Power consumption</b>	< 1,2 W
<b>Output</b>	Relay with switch-over contact (free of potential)
Max. voltage	48 V AC - 60 V DC
Max. current	1A (resistif)
Max. switching power	30 W (DC) / 48 VA (AC)
<b>Output hold time</b>	0,5 s (in PULSE mode)
<b>Temperature range</b>	-20 °C to +55 °C
<b>Degree of protection</b>	IP65
<b>Material</b>	ABS/PC
<b>Colour</b>	White
<b>Cable length</b>	Stranded cable up to 16 AWG - 1.5 mm <sup>2</sup>
<b>Norm conformity</b>	RED 2014/53/EU; ROHS 2 2011/65/EU

*Specifications are subject to changes without prior notice  
Measured in specific conditions.*

*\* The detection field can be smaller than 10 cm, but the detection capability of the sensor cannot be guaranteed.*

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