

# Proximity Magnetic Sensors Rectangular Housing M and MS Series

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- Rectangular plastic housing
- NO, NC or CO output functions
- Small dimensions
- Miniaturized reed contacts
- Version suited for entries control applications
- Suitable magnetic units are to be ordered separately, except for MSA1 (supplied together with CL2)

## Product Description

The magnetic sensors M and MS series use miniaturized reed contacts.

The output function can be NO (Normally Open), NC (Normally Closed) or CO (Change-over).

The sensor MSA1 has the

peculiarity to detect the cut of the cable; it can be used to control entries.

The magnetic units are to be ordered separately except for MSA1 (supplied together with CL2).

## Ordering Key

**MS A 1**

Type \_\_\_\_\_  
Output function \_\_\_\_\_  
Reed contact type \_\_\_\_\_

## Type Selection

Housing dimensions	Connection	Output function	Reference
37 x 16 x 8.3	PVC cable L= 2m	NO	<b>MS A 1</b> (CL2 magnetic unit included)
37 x 16 x 8.3	PVC cable L= 0.5m	NO	<b>M A 3</b> (magnetic unit not included)
37 x 16 x 8.3	PVC cable L= 0.5m	NC	<b>M C 3</b> (magnetic unit not included)
37 x 16 x 8.3	PVC cable L= 0.5m	CO	<b>M S 1</b> (magnetic unit not included)

Dimensions are specified in millimeters (mm)

## Output Specifications

<b>Output</b> MSA1, MA3 MC3 MS1	NO NC Change-over
<b>Cable breaking detection</b> MSA1 MA3, MC3, MS1	Yes No
<b>Contact ratings</b> Max Switching Voltage MSA1 MA3, MC3 MS1 Max Switching Current MSA1 MA3, MC3 MS1 Max Switching Power MSA1 MA3, MC3 MS1	230 VAC 500 VAC 100 VAC  0.75 A 0.5 A 0.25 A  10 VA 10 VA 5 VA

## General Specifications

<b>Operating distance</b>	See Operating Distance table
<b>Suitable magnetic unit</b>	See Operating Distance table
<b>Operating temperature</b>	-25 to +75 °C
<b>Degree of protection</b>	IP 67
<b>Housing</b> Dimensions Material	37 x 16 x 8.3 mm Plastic
<b>CE-marking</b>	Yes

## Operating Distance

Magnetic Units	CL1	CL2	CL3	CL4
MSA1 <sup>(1)</sup> , MA3, MS1	10	15	22	35
MC3	7/2*	13/5*	17/7*	30/15*

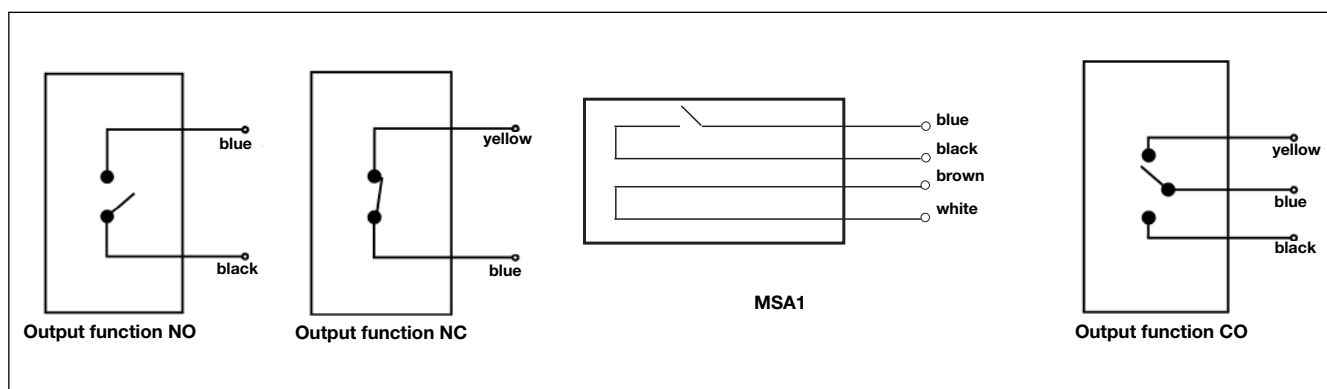
Distances are specified in millimeters (mm)

xx/xx: operating distance (for all Output functions); xx/xx\*: reswitching contact distance.

Outside the above mentioned range, the sensor maintains the initial state.

<sup>(1)</sup> MSA1 is already supplied together with CL2

## Wiring Diagrams



## Dimensions

