

Proximity Magnetic Sensors Rectangular Housing M and MS Series

CARLO GAVAZZI



- 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	MS A 1 (CL2 magnetic unit included)
37 x 16 x 8.3	PVC cable L= 0.5m	NO	M A 3 (magnetic unit not included)
37 x 16 x 8.3	PVC cable L= 0.5m	NC	M C 3 (magnetic unit not included)
37 x 16 x 8.3	PVC cable L= 0.5m	CO	M S 1 (magnetic unit not included)

Dimensions are specified in millimeters (mm)

Output Specifications

Output MSA1, MA3 MC3 MS1	NO NC Change-over
Cable breaking detection MSA1 MA3, MC3, MS1	Yes No
Contact ratings 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

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



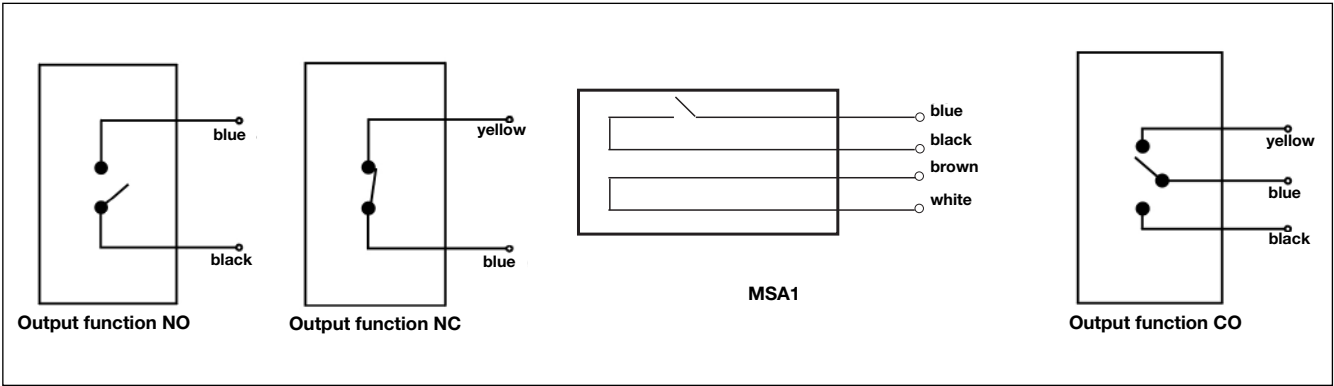
Operating Distance

Magnetic Units	CL1	CL2	CL3	CL4
MSA1 ⁽¹⁾ , 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.

⁽¹⁾ MSA1 is already supplied together with CL2

Wiring Diagrams



Dimensions

