

# Proximity Magnetic Sensors Rectangular Housing S Series

CARLO GAVAZZI



- Rectangular plastic housing
- NO, NC, CO, Bistable or Bistable CO output functions
- Side operated

## Product Description

The standard proximity magnetic sensor series is characterized by a plastic rectangular housing; the sensor switching is side type. Several operating distances

may be obtained thanks to the wide range of magnetic units available. Two holes provided in the body allow an easy and fast mounting.

## Ordering Key

**S B 2 S 5**

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

## Type Selection

Housing dimensions	Connection	Output function	Reference
79 X 21.2 X 11.5	PVC cable L= 0.5m	NO	<b>SA 2</b>
79 X 21.2 X 11.5	PVC cable L= 0.5m	NO	<b>SA 8</b>
79 X 21.2 X 11.5	PVC cable L= 0.5m	NC	<b>SC 2</b>
79 X 21.2 X 11.5	PVC cable L= 0.5m	NC	<b>SC 8</b>
79 X 21.2 X 11.5	PVC cable L= 0.5m	CO	<b>SS 2</b>
79 X 21.2 X 11.5	PVC cable L= 0.5m	Bistable	<b>SB 2</b>
79 X 21.2 X 11.5	PVC cable L= 0.24m	Bistable	<b>SB 2 S5</b>
79 X 21.2 X 11.5	PVC cable L= 0.5m	Bistable CO	<b>SBS 2</b>

Dimensions are specified in millimeters (mm)

## Output Specifications

<b>Output</b> SA2, SA8 SC2, SC8 SS2 SB2, SB2S5 SBS2	NO NC Change-over Bistable Bistable Change-over
<b>Contact ratings</b> Max Switching Voltage SA2, SC2, SB2, SB2S5 SA8, SC8 SS2, SBS2	250 VAC 1500 VAC 230 VAC
Max Switching Current SA2, SC2, SB2, SB2S5 SA8, SC8 SS2, SBS2	3 A 3 A 1 A
Max Switching Power SA2, SC2, SB2, SB2S5 SA8, SC8 SS2, SBS2	100 VA 120 VA 60 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	79 x 21.2 x 11.5 mm Plastic
<b>CE-marking</b>	Yes

## Operating Distance

Magnetic units	CL2	CL3	CL4	CL10	CL11	CL18	CL20S1	CL20S3	CL23	CL31
SA2, SA8, SS2	10	16	32	-	-	-	-	-	-	-
SC2, SC8	9/2*	15/3*	28/10*	-	-	-	-	-	-	-
SB2, SB2S5	8**	15**	30**	15***	30***	14***	30***	29***	18***	28***
SBS2	7**	-	-	5***	28***	12***	25***	24***	-	-

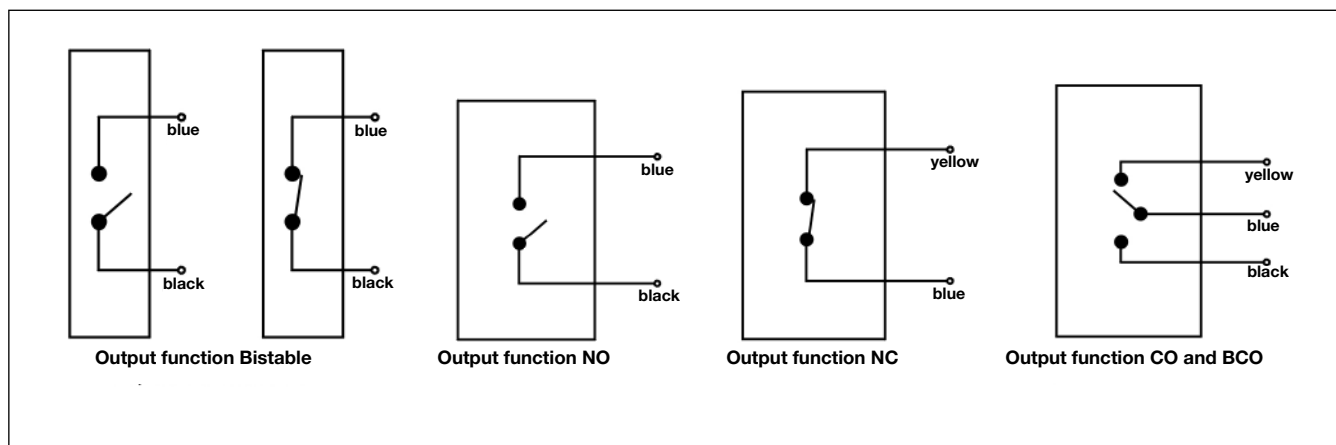
Distances are specified in millimeters (mm)

xx/xx: operating distance (for all Output functions); xx/xx\*: reswitching contact distance.  
Outside the above mentioned range, the sensor maintains the initial state.

\*\* the magnetic unit must be installed perpendicular to the switch longitudinal axis.

\*\*\* the magnetic unit must be installed perpendicular to the switch upper surface.

## Wiring Diagrams



## Dimensions

