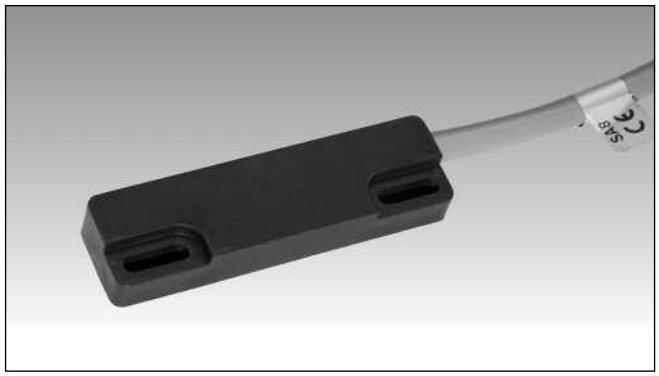
Proximity Magnetic Sensors
Rectangular Housing
S Series



- **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 S5

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	**S A 2**
79 X 21.2 X 11.5	PVC cable L= 0.5m	NO	**S A 8**
79 X 21.2 X 11.5	PVC cable L= 0.5m	NC	**S C 2**
79 X 21.2 X 11.5	PVC cable L= 0.5m	NC	**S C 8**
79 X 21.2 X 11.5	PVC cable L= 0.5m	CO	**S S 2**
79 X 21.2 X 11.5	PVC cable L= 0.5m	Bistable	**S B 2**
79 X 21.2 X 11.5	PVC cable L= 0.24m	Bistable	**S B 2 S5**
79 X 21.2 X 11.5	PVC cable L= 0.5m	Bistable CO	**S B S 2**

Dimensions are specified in millimeters (mm)

Output Specifications

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

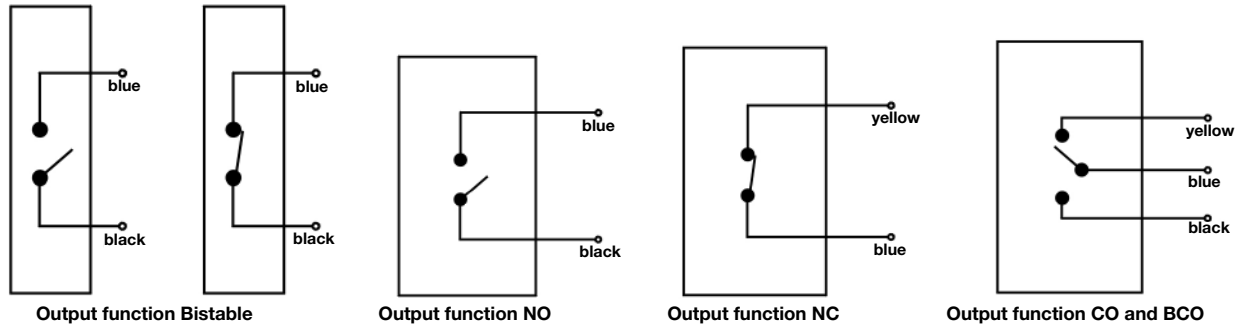
xx/xx: operating distance (for all Output functions); xx/**xx***: reswitching contact distance.

Outside the above mentioned range, the sensor mantains 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



Output function Bistable | Output function NO | Output function NC | Output function CO and BCO

Dimensions

