

Proximity Magnetic Sensors Rectangular Housing S Series



- Rectangular plastic housing
- M10, M12 or Ø 9.3 diameter
- 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 | SA 2 |
| 79 X 21.2 X 11.5 | PVC cable L= 0.5m | NO | SA 8 |
| 79 X 21.2 X 11.5 | PVC cable L= 0.5m | NC | SC 2 |
| 79 X 21.2 X 11.5 | PVC cable L= 0.5m | NC | SC 8 |
| 79 X 21.2 X 11.5 | PVC cable L= 0.5m | CO | SS 2 |
| 79 X 21.2 X 11.5 | PVC cable L= 0.5m | Bistable | SB 2 |
| 79 X 21.2 X 11.5 | PVC cable L= 0.24m | Bistable | SB 2 S5 |
| 79 X 21.2 X 11.5 | PVC cable L= 0.5m | Bistable CO | SBS 2 |

Dimensions are specified in millimeters (mm)

Output Specifications

| | |
|--|---|
| Output SA2, SA8 SC2, SC8 SS2 SB2, SB2S5 SBS2 | NO NC Change-over Bistable Bistable Change-over |
| Contact ratings Max Switching Voltage SA2, SC2, SB2, SB2S5 SA8, SC8 SS2, SBS2 | 250 VAC 1500 VAC 220 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

| | |
|--|--------------------------------|
| Operating distance | See Operating Distance table |
| Suitable magnetic unit | See Operating Distance table |
| Ambient temperature Operating | -25 to +75 °C |
| Environment Degree of protection | IP 67 |
| Housing Dimensions Material | 79 x 21.2 x 11.5 mm 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, SBS2 | 8** | 15** | 30** | 15*** | 30*** | 14*** | 30*** | 29*** | 18*** | 28*** |

Distances are specified in millimeters (mm)

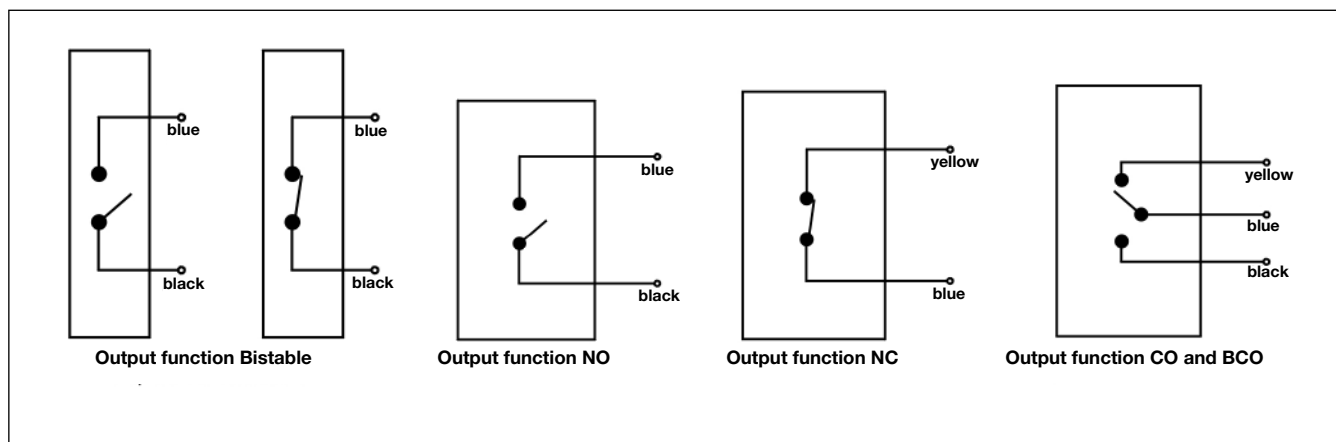
xx/xx: operating distance (for all Output functions); xx/xx*: reswitching contact distance.

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

