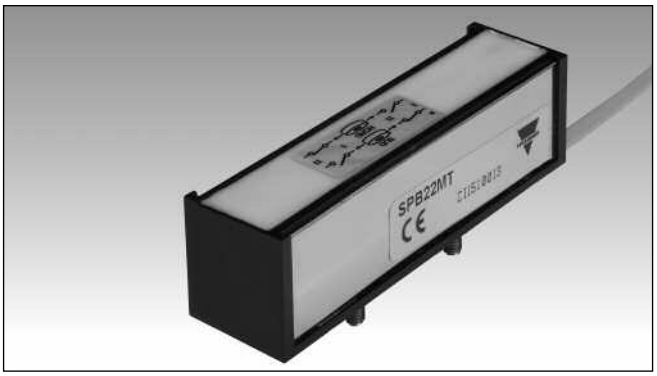
Proximity Magnetic Sensors
Rectangular Housing
SPB2 Series



- **Rectangular, plastic housing with shielded sides**
- **Bistable output function**
- **Easy and fast mounting**

Product Description

The SPB2 and SPB22MT are rectangular proximity magnetic sensors built in plastic housing with two metal shielded sides. The shielded sides reduce magnetic interferences when SPB2 and SPB22MT are mounted side by side with other sensors.
The fixing kit, delivered with the sensor, includes two nuts and washers simplifying the mounting.

Ordering Key

SP B 2

Type
Output function
Reed contact type

Type Selection

Housing dimensions	Connection	Output function	Reference
85 x 24 x 25.5	Faston	Bistable	**SP B 2**
85 x 24 x 25.5	Cable L= 2m	Bistable	**SP B 2 2MT**

Dimensions are specified in millimeters (mm)

Output Specifications

Output	Bistable
Contact ratings	
Max Switching Voltage	250 VAC
Max Switching Current	3 A
Max Switching Power	100 VA

General Specifications

Operating distance	See Operating Distance table
Suitable magnetic units	See Operating Distance table
Operating temperature	-25 to +75 °C
Degree of protection	
SPB2	IP 65
SPB22MT	IP 67
Housing	
Dimensions	85 x 24 x 25.5 mm
Material	Plastic with two metal shielded sides
CE-marking	Yes

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CARLO GAVAZZI

Operating Distance

Magnetic Units	CL2	CL3	CL4	CL10	CL11	CL18	CL20S1	CL20S3	CL23	CL31
SPB2, SPB22MT	5*	15*	30*	15**	30**	14**	30**	29**	18**	28**

Distances are specified in millimeters (mm)

xx/xx: operating distance (for all Output functions).

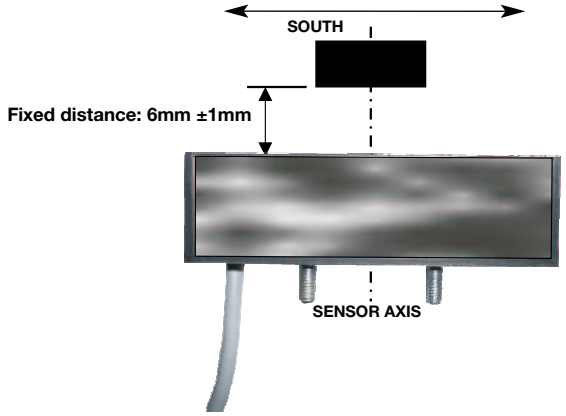
* the magnetic unit must be installed perpendicular to the switch longitudinal axis.

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

Example 1

FIRST STEP: Contact closes between 1 and 6 mm on the right or on the left respect to the sensor axis

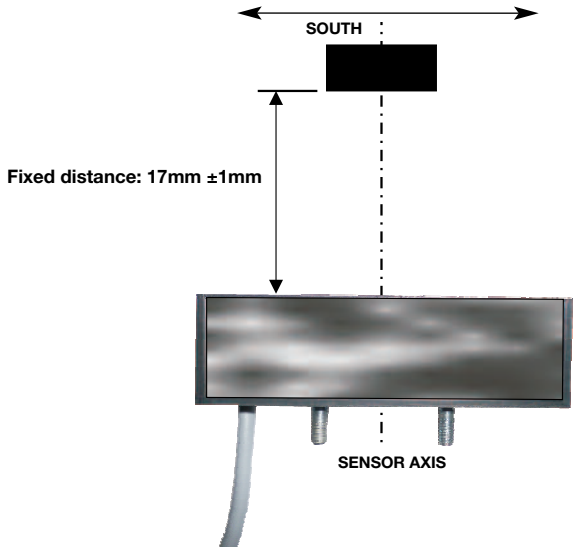
SECOND STEP: Contact opens again between 4 and 7 mm by moving the magnetic unit in the opposite way respect to the FIRST STEP



Example 2

FIRST STEP: Contact closes between 7 and 15 mm on the right or on the left respect the sensor axis

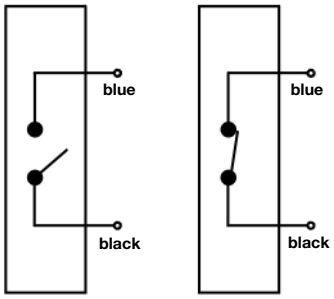
SECOND STEP: Contact opens again between 10 and 22 mm by moving the magnetic unit in the opposite way respect to the FIRST STEP



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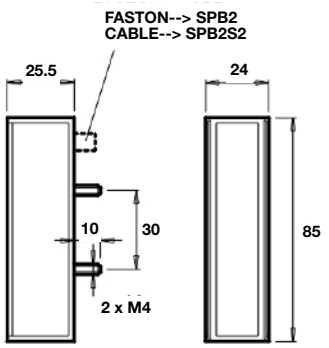
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Wiring Diagrams



Output function Bistable

Dimensions



SPB2 SPB22MT

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