Safety magnetic sensors Rectangular safety magnetic sensors SMS01, SMS02

CARLO GAVAZZI



Product Description

The safety magnetic sensors are particularly addressed to the safety gates that allow the entry to machines with dangerous movements and their risk category can be 4 (EN 954-1). They are provided

with two contacts, 1 NO + 1 NC.

The SMS02S1 model has a series resistor on NO contact to avoid read welding problems. The SMS02LD model has a LED for signalling.

Ordering Key

Cable output connection

SMS 02 LD

Safety Magnetic sensor Contact Type

Other features .

Type Selection

Output	Operating distance	LED indication	Item code	Item code (UL)
1 NO + 1 NC	10 mm	No	SMS 01	SMS AP 11 AA 02M
1 NO + 1 NC	20 mm	No	SMS 02	SMS AP 11 AB 02M
1 NO + 1 NC	20 mm	Yes	SMS 02 LD	SMS AP 11 AC 02M
1 NO + 1 NC	20 mm	No	SMS 02 S1	SMS AP 11 AE 02M

Output Specifications

Output	Category 4 (EN 954-1) 1 NO + 1 NC
Output connection	Cable (PVC, AWG 26,L=2m 4x0.15 mm ²)
Contact ratings Max Switching Voltage	100 VAC
Max Switching Current Max Switching Power	0.25 A 5 VA
Series resistor (NO contact) SMS02S1	R = 39 Ω, 2 W

General Specifications

Operating distance ON		
SMS01 only	10 ± 3 mm	
	20 ± 3 mm	
Release distance OFF		
SMS01 only	15 ± 3 mm	
	30 ± 5 mm	
Reset distance		
SMS01 only	20 ± 3 mm	
2	35 ± 5 mm	
Suitable magnetic unit	CLS	
Misalignment	max ± 4 mm	
Housing		
Dimensions	88 x 25 x 13 mm	
Material	Plastic	
Weight	Approx. 70 g	
Environment		
Degree of protection	IP 67	
Operating temperature	-25 to +70 °C	
Storage temperature	-25 to +70 °C	
Indication for		
Gate open (SMS02LD)	LED, red	
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Operating directions



Wiring Diagrams



Dimensions



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