

Safety Magnetic Sensors

Rectangular Safety Magnetic Sensors

Type SMS10

CARLO GAVAZZI



- Suitable for applications in safety category 2 in accordance with EN ISO13849-1:2015 when connected to appropriate safety devices
- 1 NO output
- 1 NC auxiliary output (SMS10NC and SMS10NCCM1)
- Cable or M12 pig tail output connection
- Rectangular housing
- Multiple flux coding
- In compliance with CEI EN 60947-5-3:2000

Product Description

The safety magnetic sensors are particularly addressed to the safety gates that allow the entry to machines with dangerous movements. The SMS10, when connected to appropriate safety devices, can be in safety category

2 in accordance with EN ISO13849-1:2015. The model SMS10 has 1 safety output while the SMS10NC and SMS10NCCM1 have 1 NO safety output + 1 NC auxiliary output.

Ordering Key

SMS 10 NC CM1

Safety magnetic sensor _____
 Contact code _____
 Other features _____
 Connector _____

Type Selection

Output	Auxiliary output	Operating distance	Item code
1 NO	-	20 mm	SMS 10
1 NO	1 NC	17 mm	SMS 10 NC
1 NO	1 NC	17 mm	SMS 10 NC CM1

Output Specifications

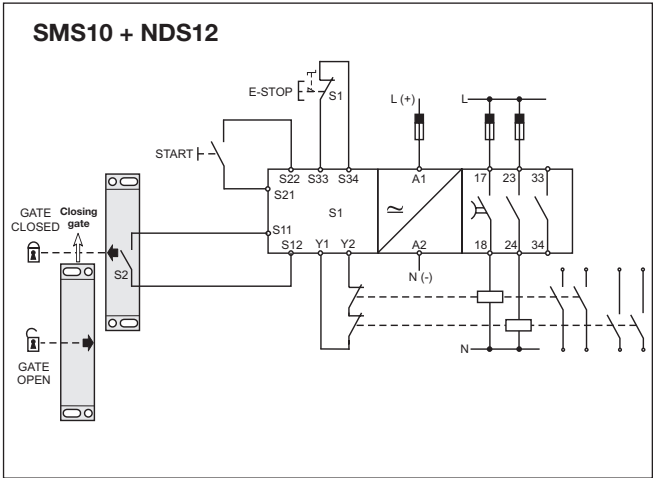
Output	Category 2 (EN ISO13849-1:2015) 1 NO
Auxiliary output SMS10NC, SMS10NCCM1	1 NC
Output connection SMS10	Cable (PVC, AWG22, L = 2 m, 2 x 0.35 mm ²)
SMS10NC	Cable (PVC, AWG26, L = 2 m, 4 x 0.15 mm ²)
SMS10NCCM1	Cable (PVC, AWG22, L = 0.3 m, 4 x 0.15 mm ²) ended with a 4 poles M12 connector
Contact ratings Max Switching Voltage Max Switching Current Max Switching Power	100 VAC 0.25 A 5 VA

General Specifications

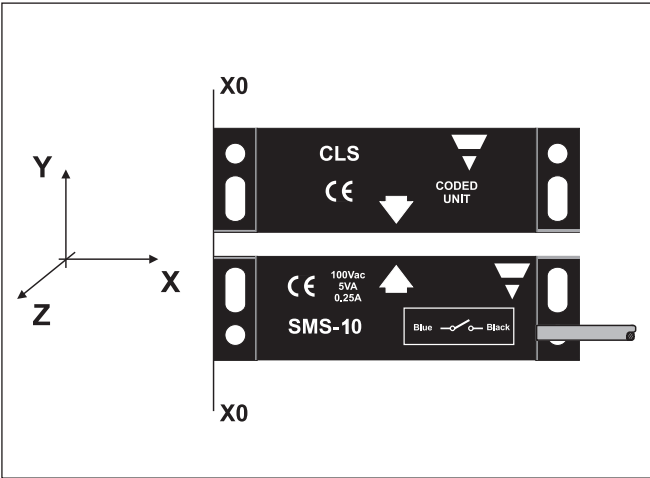
Operating distance ON SMS10 SMS10NC, SMS10NCCM1	20 ± 3 mm 17 ± 5 mm
Release distance OFF SMS10 SMS10NC, SMS10NCCM1	22 ± 3 mm 21 ± 5 mm
Reset distance SMS10 SMS10NC, SMS10NCCM1	22 ± 3 mm 21 ± 5 mm
Suitable magnetic unit	CLS
Misalignment	max ± 4 mm
Housing Dimensions Material	88 x 25 x 13 mm ABS
Weight	Approx. 70 g
Environment Degree of protection Operating temperature Storage temperature	IP 67 -25 ÷ +70 °C -25 ÷ +70 °C
CE-marking	Yes



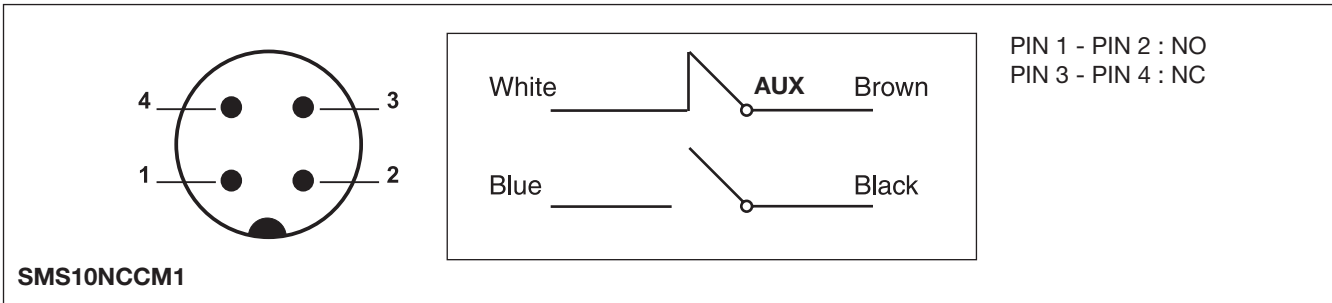
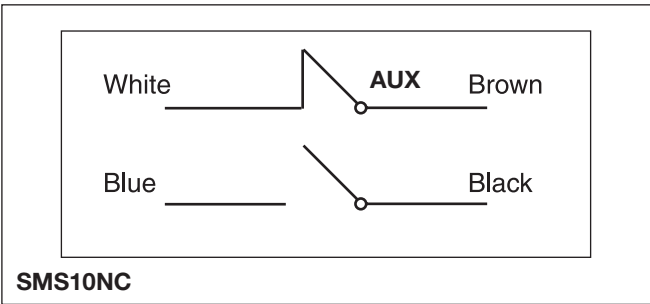
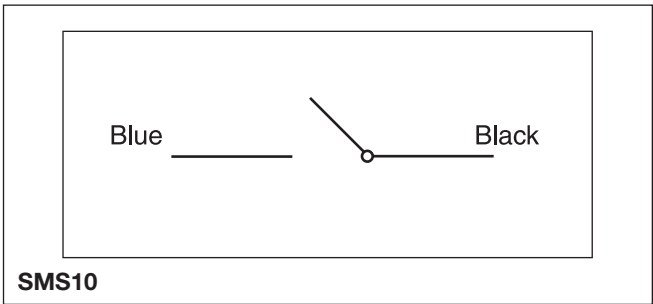
Application



Operating directions



Wiring Diagrams



Dimensions

