

Safety Magnetic Sensors

Rectangular Safety Magnetic Sensors

Type SMS10



- 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.

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

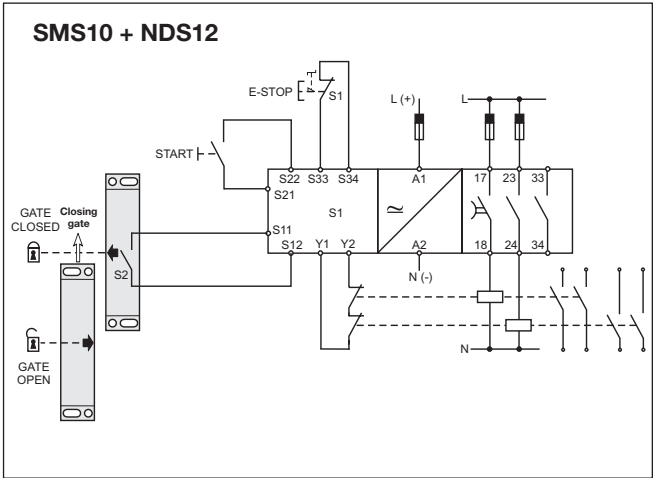
Output	Category 2 (EN ISO13849-1:2015) 1 NO
Auxiliary output SMS10NC, SMS10NCCM1	1 NC
Output connection SMS10	Cable (PVC, AWG22, L = 2 m, 2 x 0.35 mm ²)
SMS10NC	Cable (PVC, AWG26, L = 2 m, 4 x 0.15 mm ²)
SMS10NCCM1	Cable (PVC, AWG22, L = 0.3 m, 4 x 0.15 mm ²) ended with a 4 poles M12 connector
Contact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

General Specifications

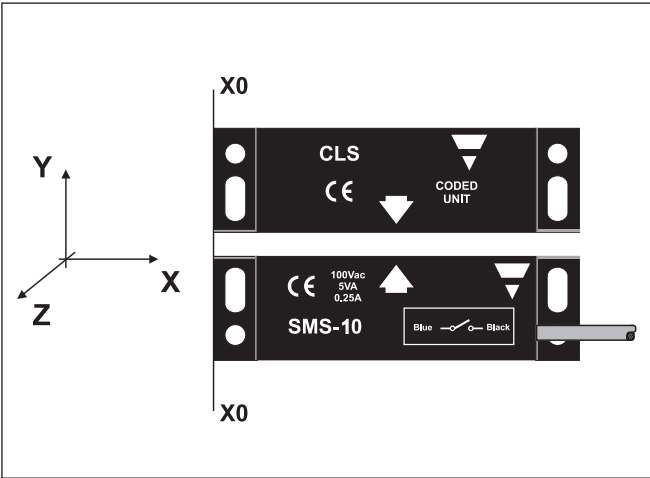
Operating distance ON SMS10 SMS10NC, SMS10NCCM1	20 ± 3 mm 17 ± 5 mm
Release distance OFF SMS10 SMS10NC, SMS10NCCM1	22 ± 3 mm 21 ± 5 mm
Reset distance SMS10 SMS10NC, SMS10NCCM1	22 ± 3 mm 21 ± 5 mm
Suitable magnetic unit	CLS
Misalignment	max ± 4 mm
Housing Dimensions Material	88 x 25 x 13 mm ABS
Weight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



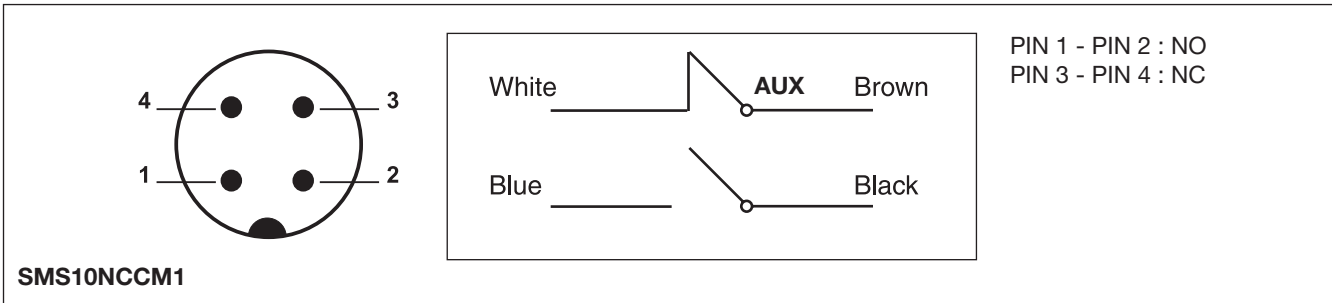
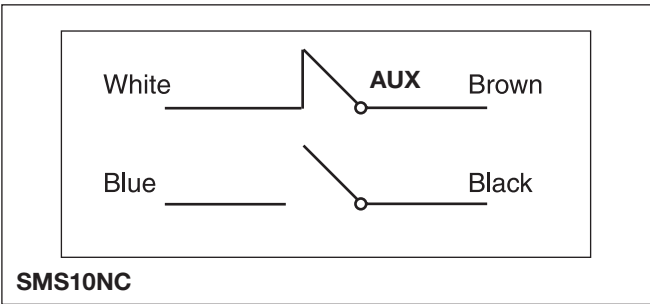
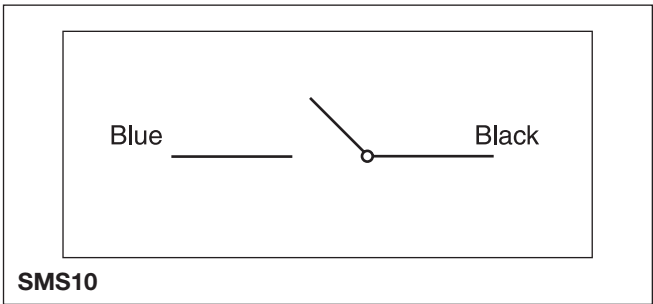
Application



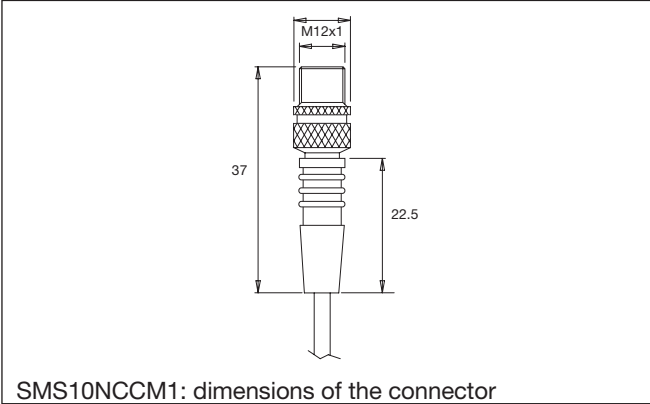
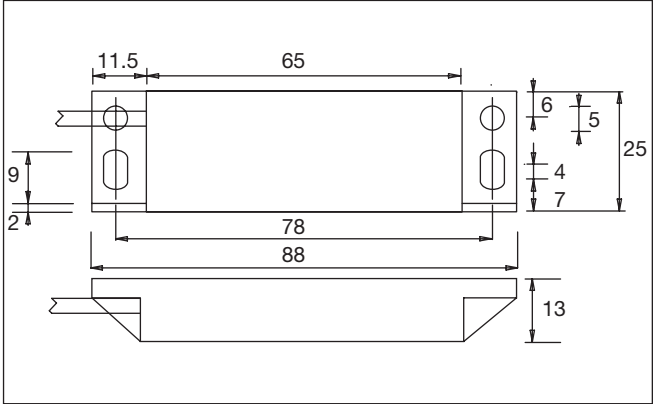
Operating directions



Wiring Diagrams



Dimensions



Mouser Electronics

Authorized Distributor

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[Carlo Gavazzi:](#)

[SMS10NC](#)