

Safety Magnetic Sensors

Cylindrical Safety Magnetic Sensors

Types SMSA2M02, SMSA2M10

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- Suitable for applications in safety category 4 in accordance with EN ISO13849-1:2008 when connected to appropriate safety devices
- 1NO + 1NC outputs (SMSA2M02), 1 NO output (SMSA2M10)
- Cable output connection
- Stainless steel cylindrical housing
- Multiple flux coding
- In compliance with CEI EN 60947-5-3:2000

Product Description

The SMSA2M series is designed in conformity with EN ISO 12100:2010, EN 60204-1 and EN 1088. It is characterised by stainless steel cylindrical housing, multiple flux coding

and is suited for applications up to safety Category 4 in accordance with EN ISO13849-1:2008 when connected to appropriate safety devices.

Ordering Key

SMS A2 M 02

Safety magnetic sensor
 Diameter
 Housing material
 Contact type

Type Selection

Output	Operating distance	Safety category	Item code
1 NO + 1 NC	15 mm	4	SMS A2 M02
1 NO	16 mm	3	SMS A2 M10

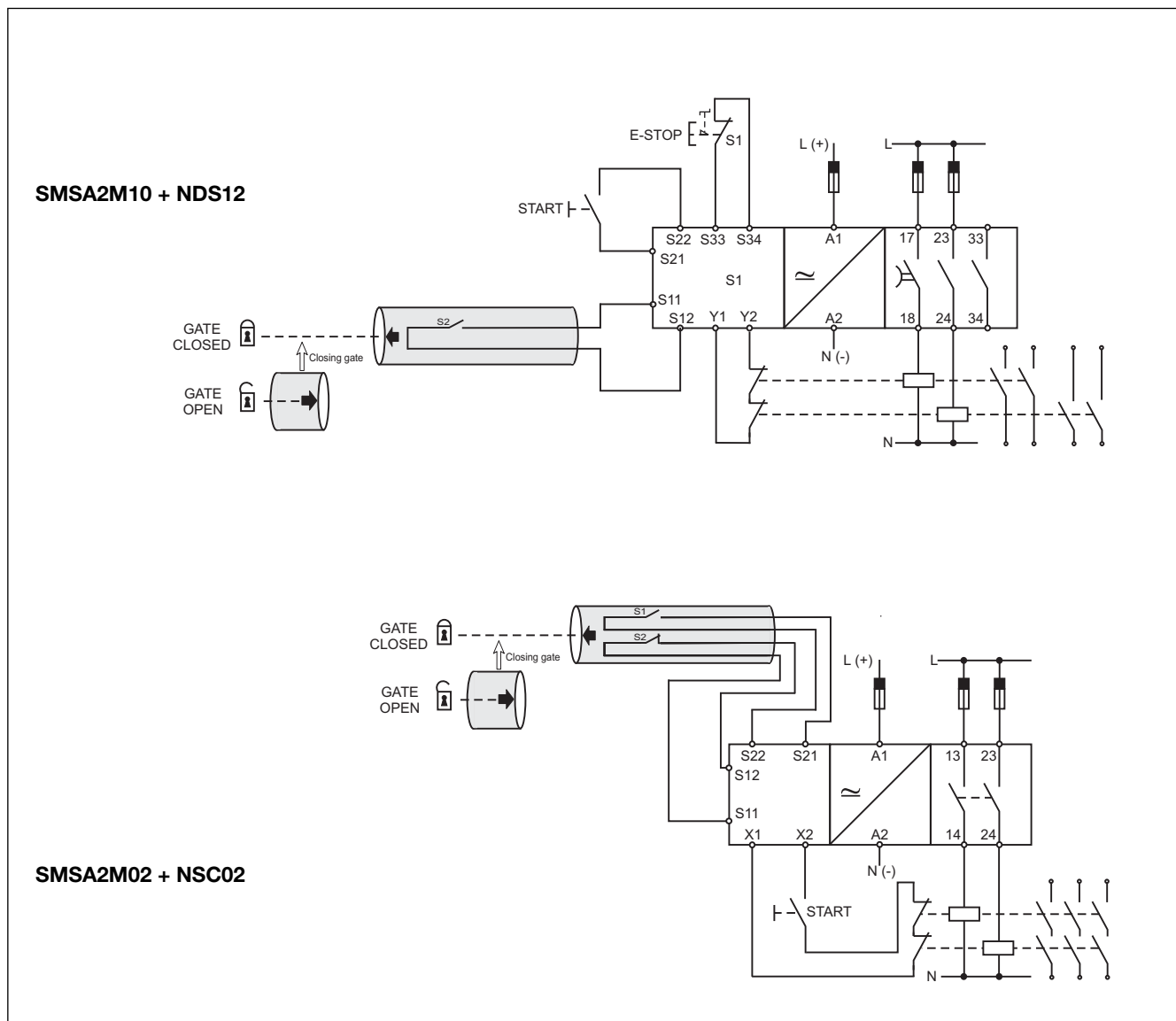
Output Specifications

Output	Category 4 (EN ISO13849-1:2008)
SMSA2M02	1 NO + 1 NC
SMSA2M10	1 NO
Output connection	
SMS02M02	Cable (PVC, AWG 26, L = 2 m, 4 x 0.15 mm ²)
SMS02M10	Cable (PVC, AWG22, L = 2 m, 2 x 0.35 mm ²)
Contact ratings	
Max Switching Voltage	100 VAC
Max Switching Current	0.25 A
Max Switching Power	5 VA

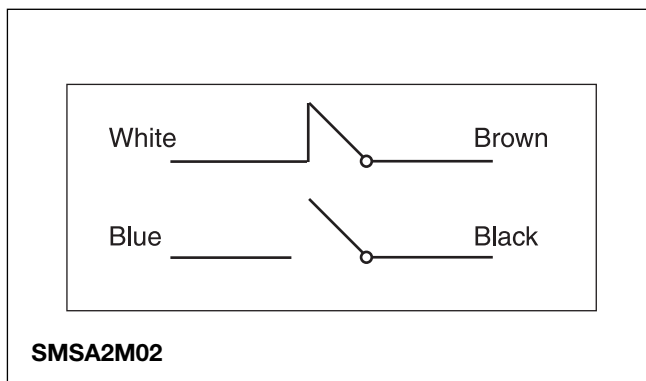
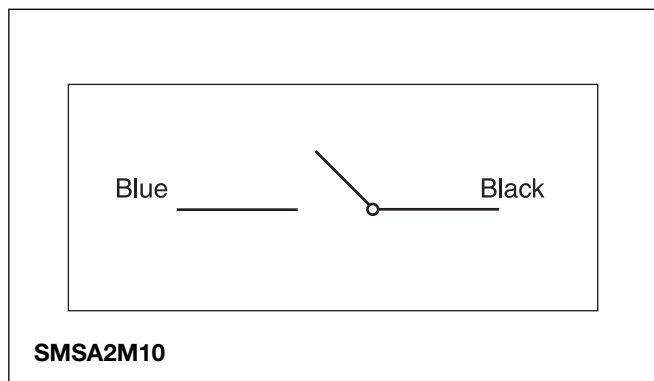
General Specifications

Operating distance ON	
SMSA2M02	15 ± 4 mm
SMSA2M10	16 ± 4 mm
Release distance OFF	20 ± 6 mm
Reset distance	25 ± 7 mm (SMSA2M02)
Suitable magnetic unit	CLSA2M
Misalignment	Max ± 4 mm
Housing	
Dimensions	M18x1
Material	Stainless steel AISI 316
Weight	Approx. 70 g
Environment	
Degree of protection	IP 67
Operating temperature	-25 ÷ +70 °C
Storage temperature	-25 ÷ +70 °C
CE-marking	Yes

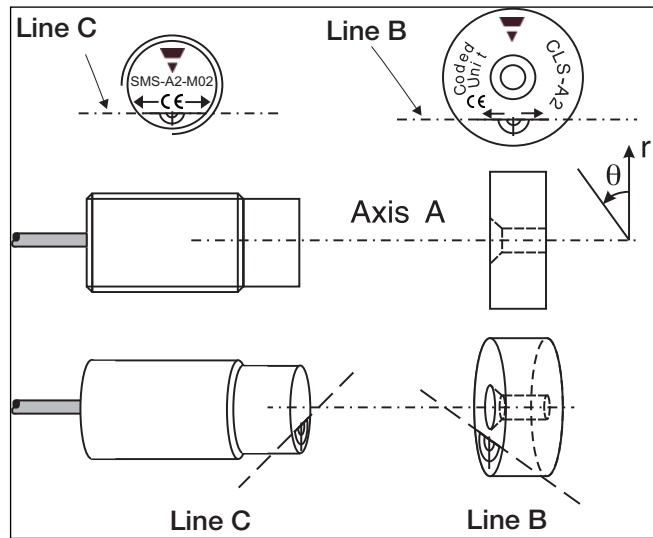
Application



Wiring Diagrams



Operating Directions



Dimensions

