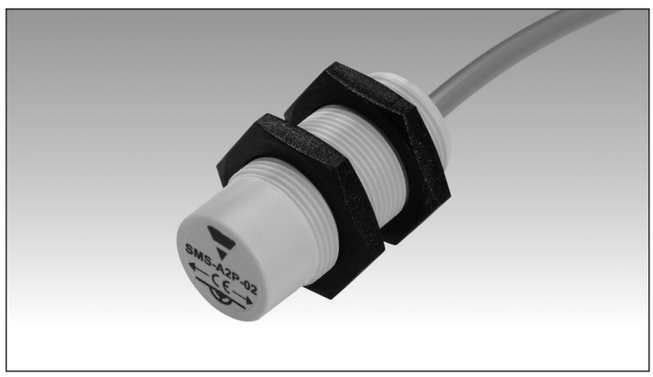
Safety Magnetic Sensors
Cylindrical Safety Magnetic Sensors
Types SMSA2P02



- **Suitable for applications in safety category 4 in accordance with EN ISO13849-1:2015 when connected to appropriate safety devices**
- **Outputs: 1NO + 1NC**
- **Cable output connection**
- **Cylindrical housing**
- **Multiple flux coding**
- **LED indication (SMSA2P02LD only)**
- **In compliance with CEI EN 60947-5-3:2000**

Product Description

The SMSA2P02 series is designed in conformity with EN ISO 12100:2010, EN 60204-1 and EN 1088.
It is characterised by multiple flux coding and is suited for applications up to safety Category 4 in accordance with EN ISO13849-1:2015 when connected to appropriate safety devices.

Ordering Key

SMS A2 P 02 LD

- **Safety magnetic sensor**
- **Diameter**
- **Housing material**
- **Contact type**
- **Other features**

Type Selection

Output	Operating distance	LED indication	Item code (CE)	Item code (CE, UL)
1 NO + 1 NC	15 mm	No	**SMS A2P02**	**SMS 2P 11 AJ 02M**
1 NO + 1 NC	15 mm	Yes	**SMS A2P02LD**	**-**

Output Specifications

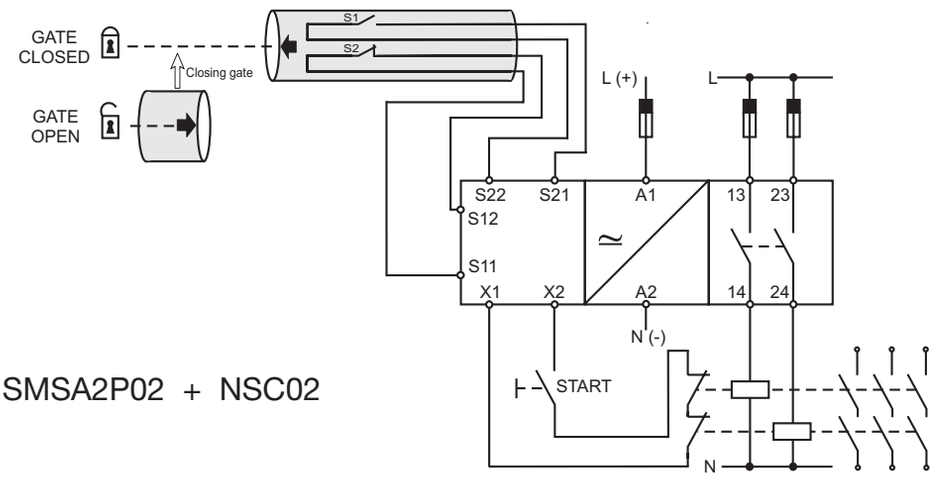
Output	Category 4 (EN ISO13849-1:2015) 1 NO + 1 NC
Output connection	
SMSA2P02, SMAA2P02LD	Cable (PVC, AWG 26, L = 2 m, 4 x 0.15 mm^2)
SMS2P11AJ02M	Cable, (PVC, AWG 24, L = 2 m, 4 x 0.25 mm^2)
Contact ratings **(CE version only)**	
Max Switching Voltage	100 VAC
Max Switching Current	0.25 A
Max Switching Power	5 VA
Contact ratings **(UL version only)**	
Rating AC	
Max Switching Voltage	120 VAC
Max Switching Current	0.1 A g.p.
Max Switching Power	12 VA
Rating DC	
Max Switching Voltage	50 VDC
Max Switching Current	0.25 A g.p.
Max Switching Power	12.5 W

General Specifications

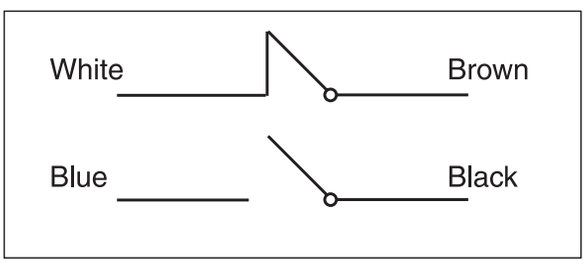
Operating distance ON	15 ± 5 mm
Release distance OFF	20 ± 6 mm
Reset distance	25 ± 7 mm
Suitable magnetic unit	CLSA2 CLSA25PC0 (cULus listed)
Misalignment	Max ± 2 mm
Housing	
Dimensions	M18x1
Material	PBT + 30% glass
Weight	Approx. 70 g
Environment	
Degree of protection	IP 67
Operating temperature	-25 ÷ +70 °C
Storage temperature	-25 ÷ +70 °C
Indication for	
Gate open (SMSA2P02LD)	LED, red
Approvals	
SMS2P11AJ02M	cULus listed (UL508)
CE-marking	Yes

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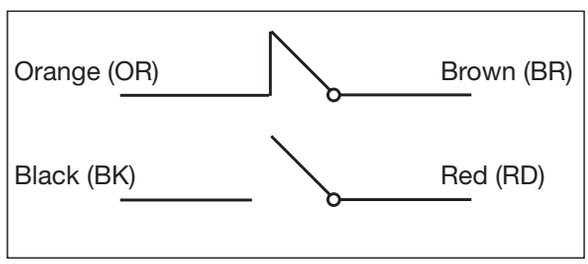
Application



Wiring Diagrams

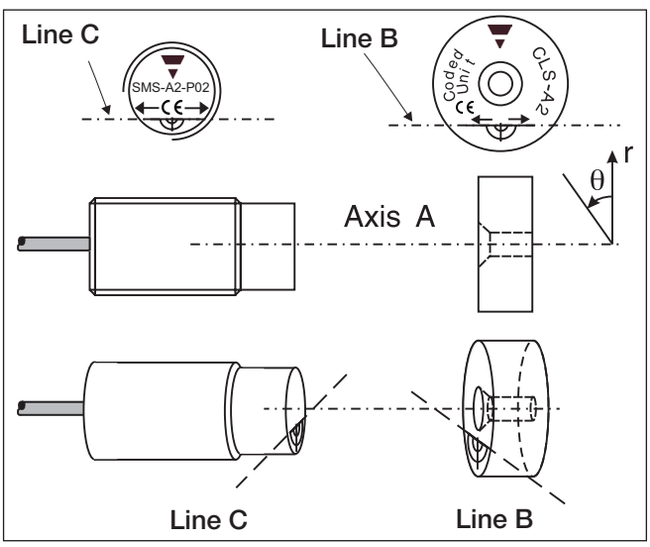


SMSA2P02
SMSA2P02LD (LED in series on NC contact)

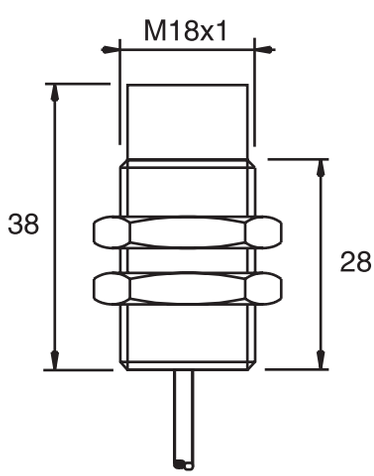


SMS2P11AJ02M

Operating Directions



Dimensions



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