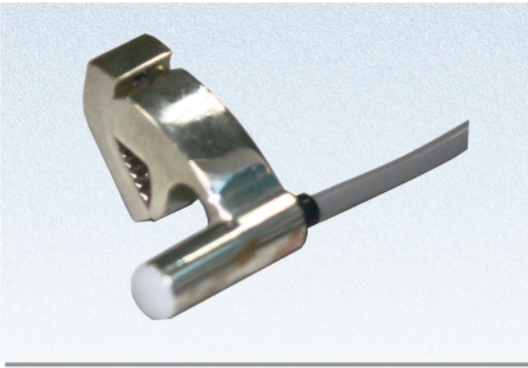


# Sensor switch

## CS1-A(N, P, X) Series

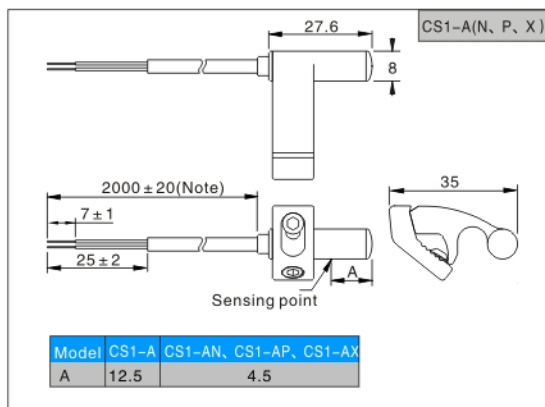


### Specification

Item/type	CS1-A	CS1-AX	CS1-AN	CS1-AP
Switch logic	STSP Normally opened type		Transistor without contact, Normally opened type	
Sensor type	Reed switch with contact		NPN type	PNP type
Operating voltage(V)	5~240V AC/DC		5 ~ 30V DC	
Max. Switching current (mA)	100		200	
Switching rating (W)	Max. 10		Max. 6	
Current consumption	NO		15mA Max. @24V	
Voltage drop	2.5V Max. @100mA DC		0.5V Max. @200mA DC	
Cable	φ 3.3, 2C, Gray oil resistant PVC (Flame retarded)		φ 3.3, 3C, Black oil resistant PVC (Flame retarded)	
Indicator	Red LED	NO	Red LED	
Leakage current	NO		0.01mA Max.	
Sensitivity(Gauss)	60~75		60~75	
Max. Frequency(Hz)	200		1000	
Shock(m/s <sup>2</sup> )	300		500	
Vibration(m/s <sup>2</sup> )	90		90	
Temperature range(°C) ①	-10~70		-10~70	
Enclosure classification	IP67(NEMA6)		IP67(NEMA6)	
Protection circuit	NO		Power reverse polarity, surge suppression	

① Note: Please contact us for high temperature resistant (125°C), low temperature resistant (-40~-25°C) and explosion-proof sensor switch.

### Dimensions



### Ordering code

<b>CS</b>	<b>1</b>	<b>A</b>	<b>X</b>	<b>020</b>
Number of sensor switch				
Specification of sensor switch				
A: A Type(Used for SC series)				
Model of sensor switch				
Blank: two-line magnetic spring pipe with contact/normally opened				
N: three-line NPN with no contact (current flows in)/ normally opened				
P: three-line PNP with no contact (current flows out)/ normally opened				
X: two-line magnetic spring pipe with contact, without indicator light/normally opened				
Connecting way				
C08: M8 quick joint, length of wire is 150mm				
C12: M12 quick joint, length of wire is 150mm				
020: length of wire is 2m				
030: length of wire is 3m				
050: length of wire is 5m				
100: length of wire is 10m				

① Note: The quick joint that is attached at the end of wire is three-needle-male joint-linear-rotary screw thread type. The female joint plug has to be ordered additionally. Please refer to PVI-49 for the specific data.

### Mounting

No installation accessories are necessary for the sensor switch of CS1-A (N, P and X) series. It can be directly fixed onto the cylinder, which is convenient and fast.

