

# Sensor switch

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

### Specification

Item type	CS1-G	CS1-GX	CS1-GN	CS1-GP
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	φ3.3, 2C, Gray oil resistant PVC (Flame retarded)		φ3.3, 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 (125~150°C), low temperature resistant (-40~-25°C) and explosion-proof sensor switch.

### Ordering code

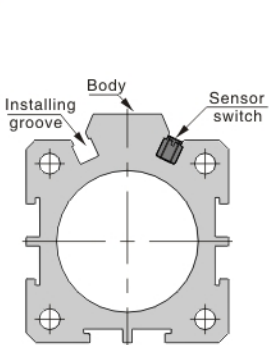
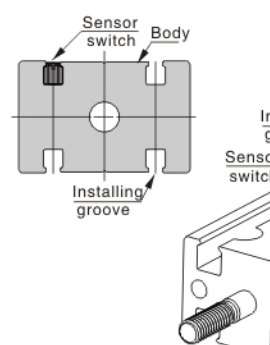
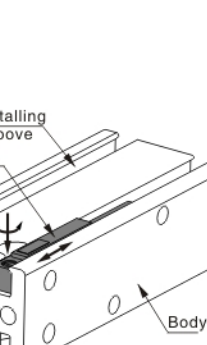
<b>CS1</b>	<b>—</b>	<b>G</b>	<b>X</b>	<b>—</b>	<b>020</b>
Number of sensor switch		Connecting way ①			
Specification of sensor switch		C08: M8 quick joint, length of wire is 150mm			
G: G Type(MD(MK), TR, TC, ACQ, ACP		C12: M12 quick joint, length of wire is 150mm			
TWH ( M )、TWQ、SDA20~100 series)		020: length of wire is 2m			
Model of sensor switch		030: length of wire is 3m			
Blank: two-line magnetic spring pipe with contact/normally opened		050: length of wire is 5m			
N: three-line NPN with no contact (current flows in)/ normally opened		100: length of wire is 10m			
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					

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-G (N, P and X) series. It can be directly fixed onto the groove of the cylinder of the cylinder, which is convenient and fast.

**CS1-G(N, P, X) ( ACQ, MD, MK, TWH(M), TWQ, TC, ACP, SDA Series )**

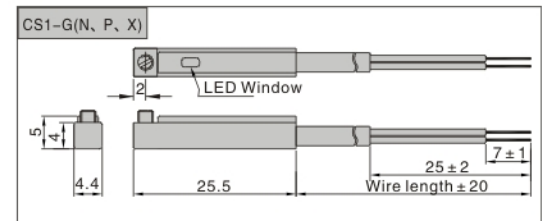




**Installation method**

Loosen the clamping screw on sensor switch, lead the sensor switch to the installation slot and adjust it to the proper position. Tighten the clamping screw to fix.



### Dimensions

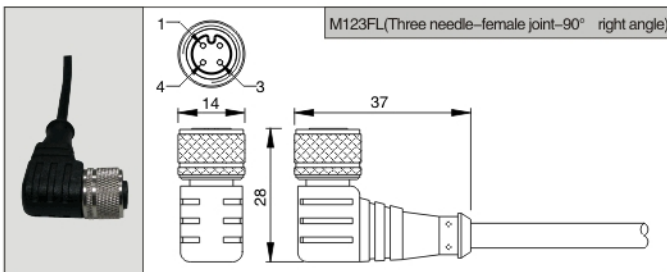
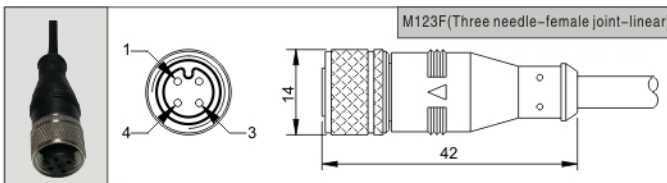
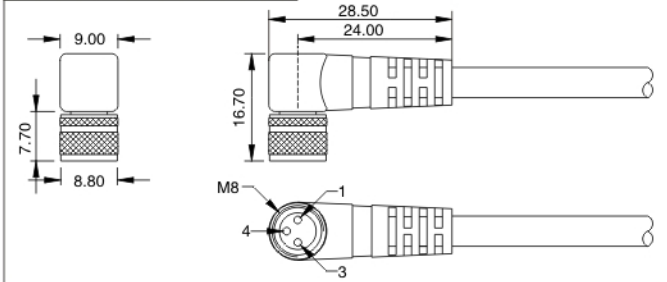
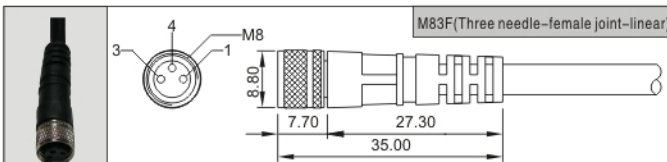


# Sensor switch

Joint attached to coil end of sensor switch

## Female joint for male joint

Ordering code				
M83F	—	4	B	— 02 — PVC
<b>Joint type</b> M83F: M8 x 1.0 three need-female joint (linear) M83FL: M8 x 1.0 three need-female joint (right angle) M123F: M12 x 1.0 three need-female joint (linear) M123FL: M12 x 1.0 three need-female joint (right angle)		<b>Cable material</b> PVC: PVC tegument PUR: PUR tegument		
<b>Cable OD</b> 2.9: OD 2.9mm 3.3: OD 3.3mm 4.0: OD 4.0mm 4.5: OD 4.5mm 5.2: OD 5.2mm		<b>Wire length</b> 02: Wire length is 2m 03: Wire length is 3m 05: Wire length is 5m 10: Wire length is 10m		
<b>Cable color</b> B: Black (three core) G: Grey (two core)				



## Male joint attached to coil end of sensor switch

