

Sensor switch

CS1-M(N, P, X) Series

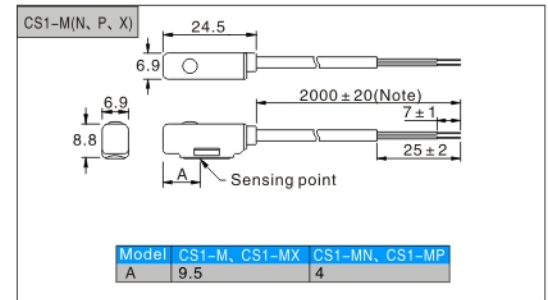
Specification

Item/type	CS1-M	CS1-MX	CS1-MN	CS1-MP
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)	S06~S10	45~55	45~55	
	S12~S16	55~65	55~65	
	S20~S63	65~75	65~75	
	A20~A40	65~75	65~75	
Max. Frequency(Hz)	200		1000	
Shock(m/s ²)	300		500	
Vibration(m/s ²)	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.



Dimensions



Ordering code

CS1 — M X — 020 — S 06			
Number of sensor switch		Body material	Bore size
Specification of sensor switch		S: Stainless steel	06: φ 6mm
M: M type (PB, MA, MAL, MI, MFseries)		A: Aluminum alloy	08: φ 8mm
Mode of sensor switch			10: φ 10mm
Blank: two-line magnetic spring pipe with contact/normally opened			12: φ 12mm
N: three-line NPN with no contact (current flows in)/ normally opened			16: φ 16mm
P: three-line PNP with no contact (current flows out)/ normally opened			20: φ 20mm
X: two-line magnetic spring pipe with contact, without indicator light/normally opened			25: φ 25mm
			32: φ 32mm
			40: φ 40mm
			50: φ 50mm
			63: φ 63mm
		Connecting way ①	
		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	

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

CS1-M, CS1-MX, CS1-MN, CS1-MP (PB, MA, MAL, MI, MF Series)

Installation method

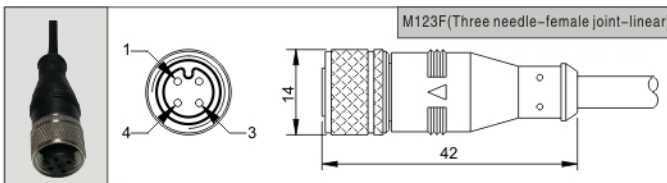
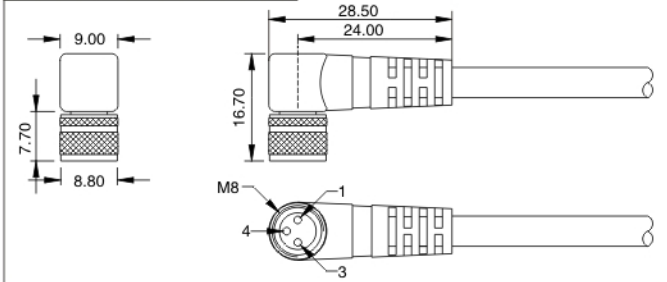
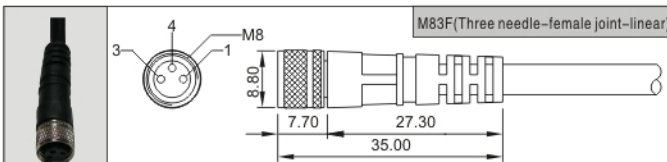
Encircle the bandage around the outside of the cylinder body and make it closely next to the cylinder wall. Snap the clamping screw into button orifice and adjust it to the proper position. Properly tighten the clamping screw to fix.

Sensor switch

Joint attached to coil end of sensor switch

Female joint for male joint

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



Male joint attached to coil end of sensor switch

