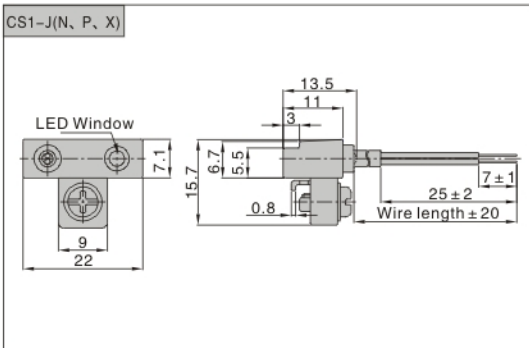


Sensor switch

CS1-J(N, P, X) Series



Dimensions



Specification

Item/type	CS1-J	CS1-JX	CS1-JN	CS1-JP
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)	60~70		60~70	
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.

Ordering code

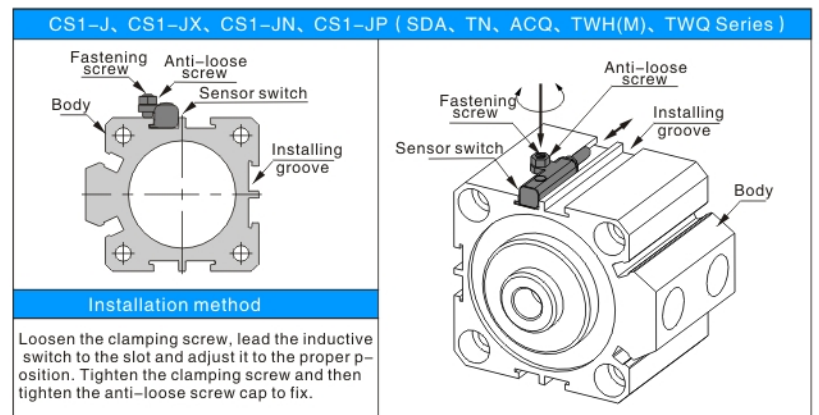
CS1	—	J	X	—	020
Number of sensor switch			① Connecting way		
			C08: M8 quick joint, length of wire is 150mm		
			C12: M12 quick joint, length of wire is 150mm		
			020: length of wire is 2m		
			030: length of wire is 3m		
			050: length of wire is 5m		
			100: length of wire is 10m		

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

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

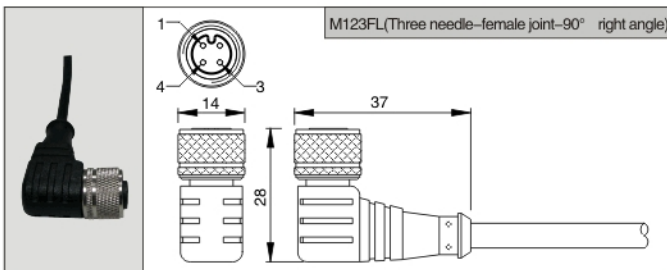
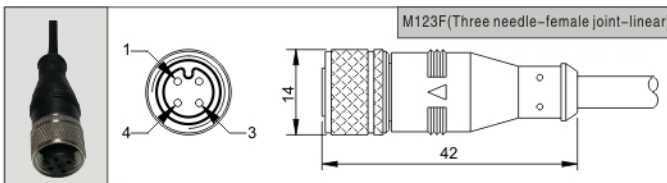
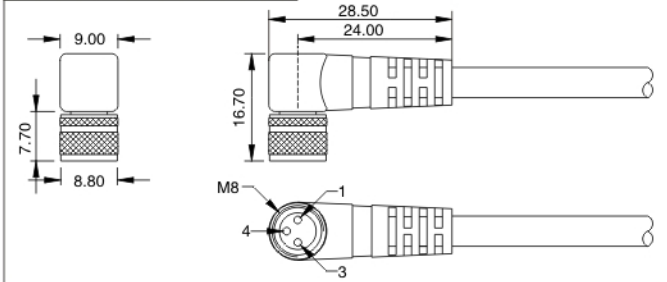
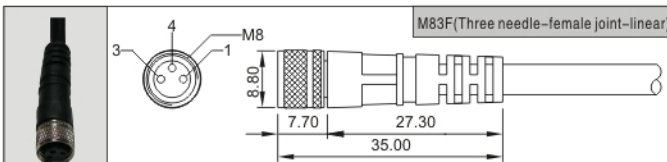


Sensor switch

Joint attached to coil end of sensor switch

Female joint for male joint

Ordering code				
M83F	—	4	B	— 02 — PVC
Joint type 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)		Cable material PVC: PVC tegument PUR: PUR tegument		
Cable OD 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		Wire length 02: Wire length is 2m 03: Wire length is 3m 05: Wire length is 5m 10: Wire length is 10m		
Cable color B: Black (three core) G: Grey (two core)				



Male joint attached to coil end of sensor switch

