

Sensor switch

CS1-E(N, P, X) Series



Specification

Item/type	CS1-E	CS1-EX	CS1-EN	CS1-EP
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)	35-45		35-45	
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		—	E	X	—	020
Number of sensor switch				Connecting way ①		
Specification of sensor switch				C08:M8 quick joint, length of wire is 150mm		
E: E type(SE series)				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		
		Mode 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-E (N, P and X) series. It can be directly fixed onto the groove of the cylinder, which is convenient and fast.

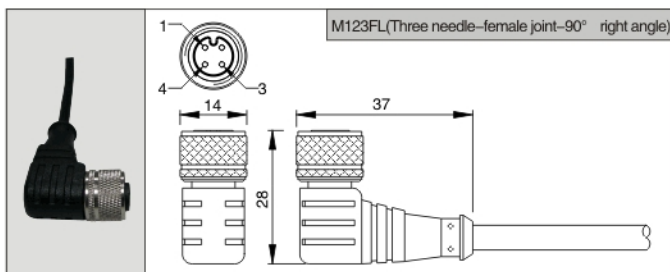
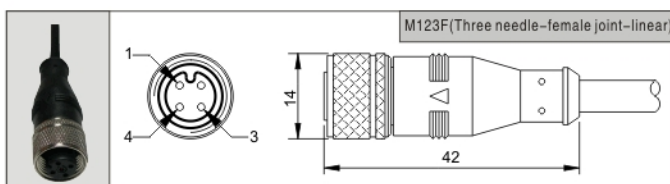
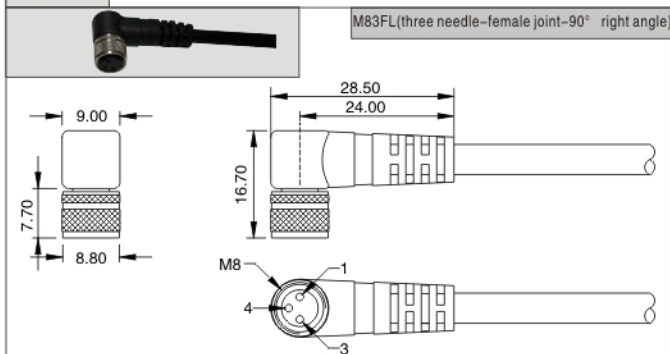
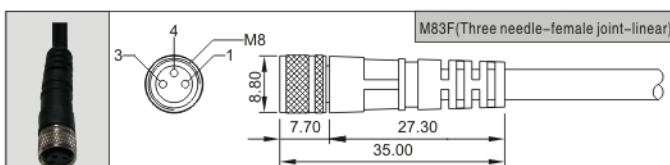
CS1-E(N, P, X) (SE Series)	
Installation method	
Adjust the clamping screw on sensor switch to the parallel position that enables the sensor switch to enter the installation slot. Then lead the sensor switch to the installation slot and adjust it to the proper position and tighten the clamping screw 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

