

Sensor switch

CS1-E(N, P, X) Series

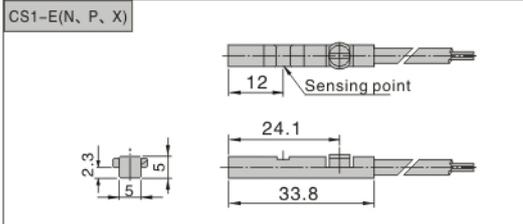


Specification

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.

Dimensions



Ordering code

CS1 — E X — 020

Number of sensor switch

Specification of sensor switch
E: E type(SE series)

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

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

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

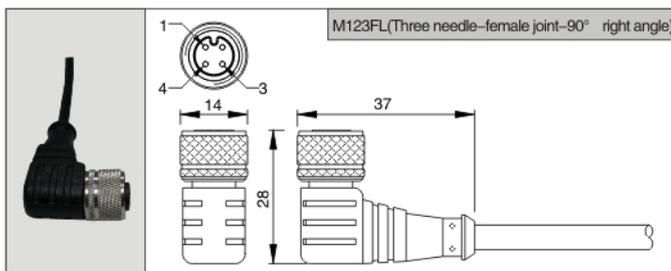
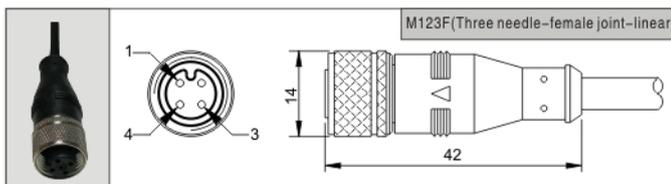
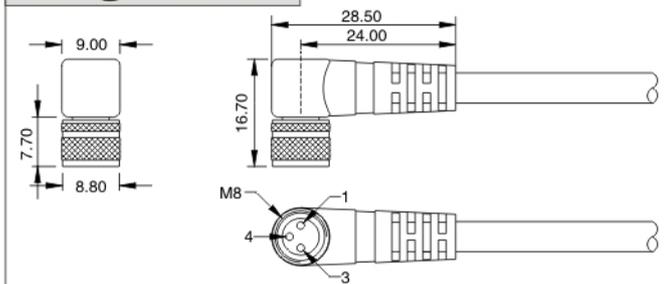
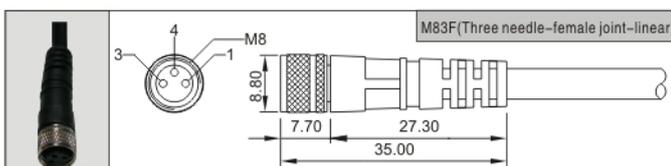
Female joint for male joint

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 1.0 three need-female joint (right angle)	PUR: PUR tegument
M123F: M12 x 1.0 three need-female joint (linear)	
M123FL: M12 x 1.0 three need-female joint (right angle)	

Cable OD	Cable color	Wire length
2.9: OD 2.9mm	B: Black (three core)	02: Wire length is 2m
3.3: OD 3.3mm	G: Grey (two core)	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		



Male joint attached to coil end of sensor switch

