

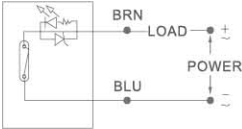
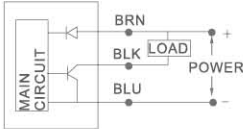
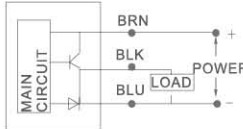
XC-03 Series Magnetism Switch



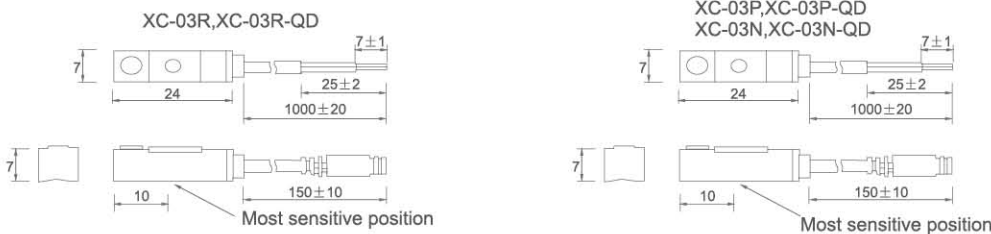
Features and Applications

- 1.Compact design
- 2.LSU type LED light
- 3.Anti-vibration application
- 4.Simple installation
- 5.BK series metal band together
- 6.Suitable for many kinds of air cylinder.

Specification

Model	XC-03R	XC-03N	XC-03P
Connect Diagram			
Parameter			
Wiring method	2-WireType	3-WireType	
Switching logic	SPST Normally Open	Solid State Output,Normally Open	
Sensor type	Reed switch	NPN Input	PNP Output
Operating voltage	5-240V DC/AC	5-30V DC	
Max.switching current	100mA max.	200mA max.	
Contact rating	10W max.	6W max.	
Current consumption	None	20mA max @ 24V(Switch Active)	
Voltage drop	3.0V max.	0.5V max @ 200mA	
Leakage current	None	0.01mA max.	
Indicator	Red LED	Red LED	Green LED
Max.exchange frequency	200Hz	1000Hz	
Temperature range		-10~70℃	
Shock	30G	50G	
Vibration		9G	
Enclosure classification		IEC 529 IP67(NEMA 6)	
Protection circuit	None	With protection	
Cable	φ2.8,2C PVC Gray color,oil resistance PVC	φ2.8,2C PVC Black color,oil resistance PVC	

Overall Dimensions



Joint Pipe Bore

PBK metal band for XC-03 series For round cylinder Φ6-Φ63	QD Pinout 2 wire QD wiring	3 wire QD wiring

XC-21R Series Magnetism Switch



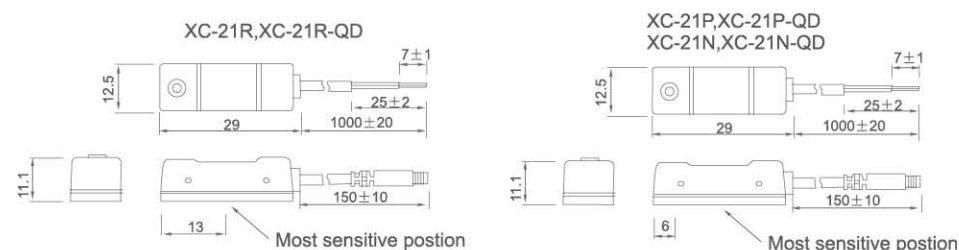
Features and Applications

- 1.Compact design
- 2.LED light
- 3.Anti-vibration application
- 4.PI,PM series clamp together
- 5.Simple installation
- 6.Suitable for all kinds of standard tie-rod and mickey-mouse barrel cylinder.

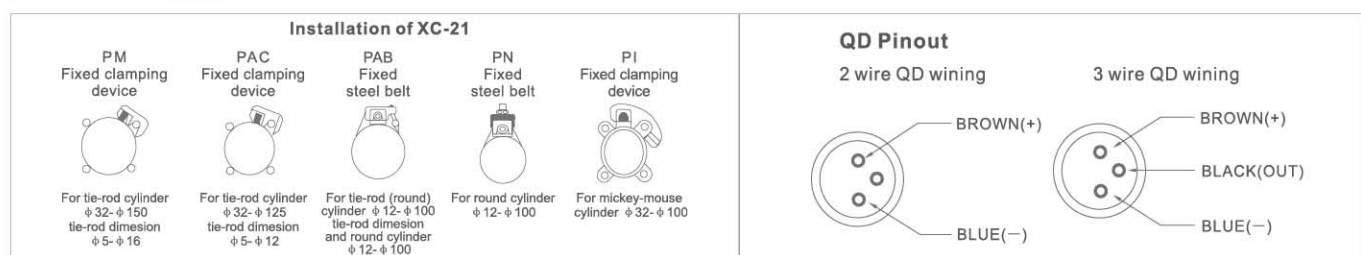
Specification

Model	XC-21R	XC-21N	XC-21P
Connect Diagram			
Parameter			
Wiring method	2-WireType	3-WireType	
Switching logic	SPST Normally Open	Solid State Output,Normally Open	
Sensor type	Reed switch	NPN Input	PNP Output
Operating voltage	5-240V DC/AC	5-30V DC	
Max.switching current	100mA max.	200mA max.	
Contact rating	10W max.	6W max.	
Current consumption	None	20mA max@ 24V(Switch Active)	
Voltage drop	3.5V max.	0.5V max	
Leakage current	None	0.01mA max.	
Indicator	Red LED	Red LED	Green LED
Max.exchange frequency	200Hz	1000Hz	
Temperature range		-10~70°C	
Shock	30G	50G	
Vibration		9G	
Enclosure classification		IEC 529 IP67(NEMA 6)	
Protection circuit	None	With protection	
Cable	Φ4.0,2C PVC Gray color,oil resistance PVC	Φ4.0,2C PVC Black color,oil resistance PVC	

Overall Dimensions



Joint Pipe Bore



XC-31R Series Magnetism Switch



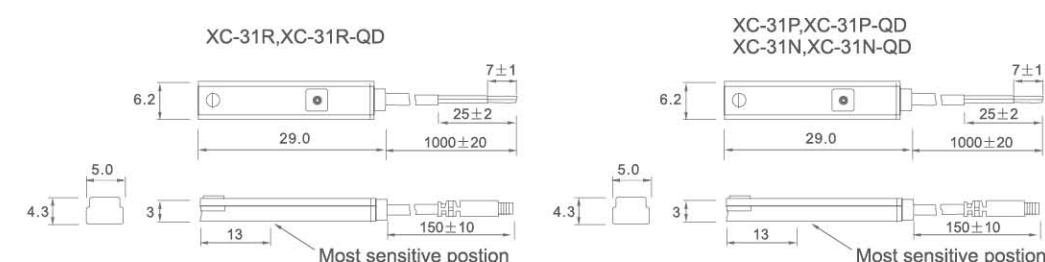
Features and Applications

- 1.Compact design
- 2.LED light
- 3.Anti-vibration application
- 4.For groove and bandage fixing type
- 5.Simple installation
- 6.Suitable for all kinds of groove type and mini type cylinder.

Specification

Model	XC-31R	XC-31N	XC-31P
Connect Diagram			
Parameter			
Wiring method	2-WireType	3-WireType	
Switching logic	SPST Normally Open	Solid State Output,Normally Open	
Sensor type	Reed switch	NPN Input	PNP Output
Operating voltage	5-240V DC/AC	5-30V DC	
Max.switching current	100mA max.	100mA max.	
Contact rating	10W max.	3W max.	
Current consumption	None	17mA max @ 24V(Switch Active)	14mA max@24V(Switch Active)
Voltage drop	2.5V max.@ 100mA	0.5V max @ 200mA	
Leakage current	None	0.01mA max.	
Indicator	Red LED	Red LED	Green LED
Max.exchange frequency	200Hz	1000Hz	
Temperature range		-10~70°C	
Shock	30G	50G	
Vibration		9G	
Enclosure classification		IEC 529 IP67(NEMA 6)	
Protection circuit	None	With protection	
Cable	Φ3.0,2C PVC Gray color,oil resistance PVC	Φ3.0,2C PVC Black color,oil resistance PVC	

Overall Dimensions



Joint Pipe Bore



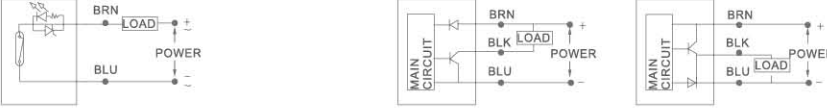
XC-11R Series Magnetism Switch



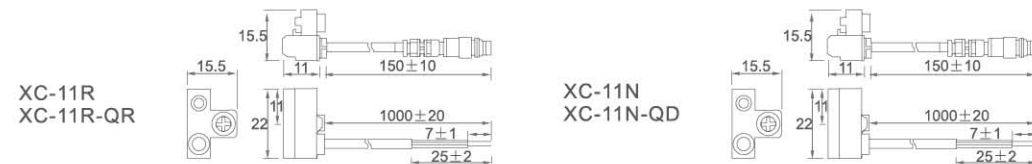
Features and Applications

- 1.Compact design
- 2.LED light
- 3.Anti-vibration application
- 4.PI,PM series clamp together
- 5.Simple installation
- 6.Suitable for all kinds of standard tie-rod and mickey-mouse barrel cylinder.

Specification

Model	XC-11R	XC-11RB	XC-11N	XC-11P
250 320	Connect Diagram			
Parameter				
Switching logic	SPST Normally Open		SPST Normally Closed	
Sensor type	Reed switch		Solid State Output, Normally Open	
Operating voltage	5-240V DC/AC		5-30V DC	
Max.switching current	100mA max.		200mA max.	
Contact rating	10W max.		6W max.	
Current consumption	None		20mA max@ 24V(Switch Active)	
Voltage drop	2.5V max.@100mA		0.5V max @ 200mA	
Leakage current	None		0.01mA max.	
Indicator	Red LED		Red LED	Green LED
Cabel	Φ3.2,2C PVC Gray color,oil resistance PVC		Φ3.2,3C PVC Black color,oil resistance PVC	
Sensitivity			40Gauss	
Max.switch frequency	200Hz		1000Hz	
Temperature range			-10~70°C	
Shock	30G		50G	
Vibration			9G	
Enclosure classification			IEC 529 IP67(NEMA 6)	
Protection circuit	None		With protection	

Overall Dimensions

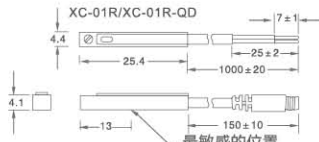
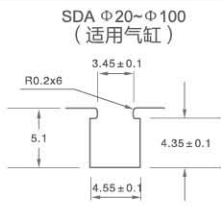
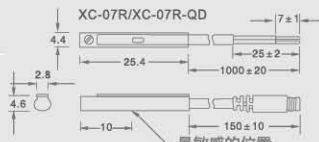
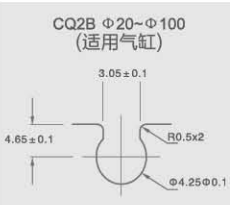
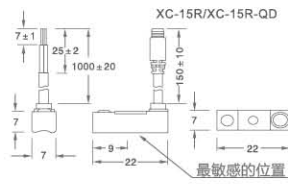
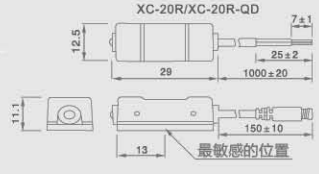
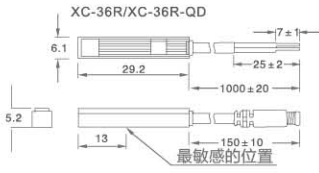
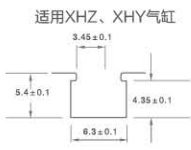
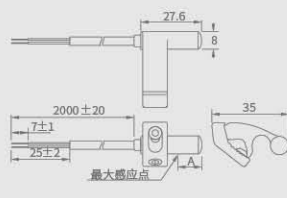
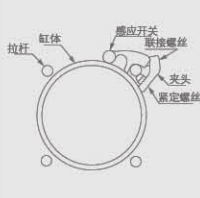
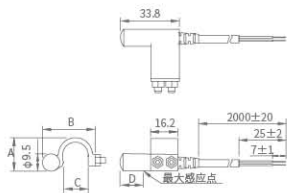
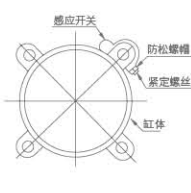


Joint Pipe Bore



Magnetism Switch

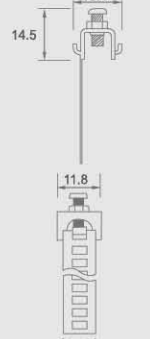
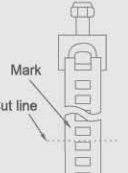
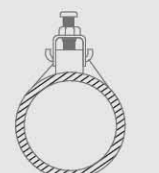
Specification

Model	Product	Contact Type	Working Voltage	Diameter	Joint Pipe Bore
XC-01R Series		Amagnetic reed Switch contact	5~240V DC/AC		
		Contactless NPN transistors	5~30V DC		
		Contactless PNP transistors			
XC-07R Series		Amagnetic reed Switch contact	5~240V DC/AC		
		Contactless NPN transistors	5~30V DC		
		Contactless PNP transistors			
XC-15R Series		Amagnetic reed Switch contact	5~240V DC/AC		
		Contactless NPN transistors	5~30V DC		
		Contactless PNP transistors			
XC-20R Series		Amagnetic reed Switch contact	5~240V DC/AC		
		Contactless NPN transistors	5~30V DC		
		Contactless PNP transistors			
XC-36R Series		Amagnetic reed Switch contact	5~240V DC/AC		
		Contactless NPN transistors	5~30V DC		
		Contactless PNP transistors			
XC-17R Series		Amagnetic reed Switch contact	10~28V DC		
		Contactless NPN transistors	5~30V DC		
		Contactless PNP transistors			
XC-27R Series		Amagnetic reed Switch contact	10~28V DC		
		Contactless NPN transistors	5~30V DC		
		Contactless PNP transistors			

BK / PBN / PN Series Clamp

BK Series Clamp

Clamp is designed for mounting XC-03 series sensor on $\Phi 6$ bore and above round cylinder

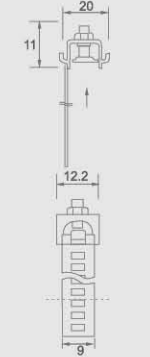
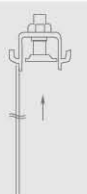
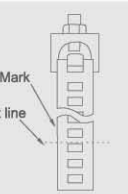
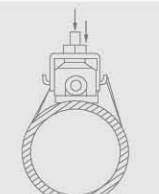
Product	Dimension	Mounting			
		Step 1	Step 2	Step 3	Step 4
		1.Release the screw up 2.Make the screw within the collect	1.Put one end of the band to the hanger 2.Install the switch and strain the metal band. 3.Another end of the band to the hanger and make mark.	1.Cut the metal band at the opposite face of the marked position	1.Put the metal band on the marked position. 2.Install the switch,lock the screw. 3.Finally lock the screw nut.
					

BK-81:For round cylind cylinder and tie-rod cylinder $\Phi 6$ - $\Phi 63$.

BK-82:For round cylind cylinder and tie-rod cylinder $\Phi 6$ - $\Phi 125$.(Speed design for $\geq \Phi 125$)

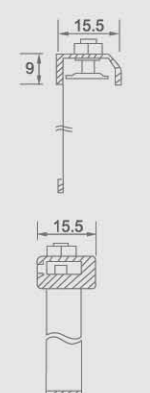
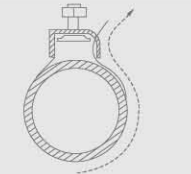
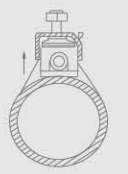
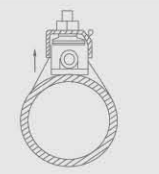
PBN Series Clamp

Clamp is designed for mounting XC-21 series sensor on $\Phi 12$ bore and above round cylinder

Product	Dimension	Mounting			
		Step 1	Step 2	Step 3	Step 4
		1.Release the screw up 2.Make the screw within the collect	1.Put one end of the band to the hanger 2.Install the switch and strain the metal band. 3.Another end of the band to the hanger and make mark.	1.Cut the metal band at the opposite face of the marked position	1.Put the metal band on the marked position. 2.Install the switch,lock the screw. 3.Finally lock the screw nut.
					

PBN Series Clamp

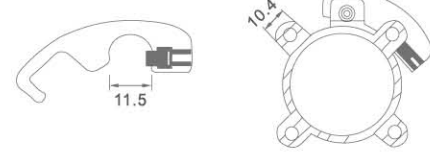
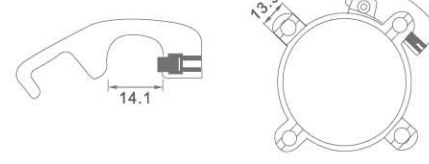
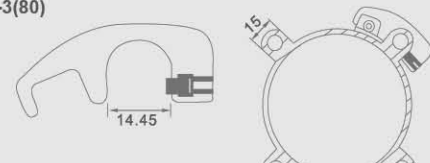
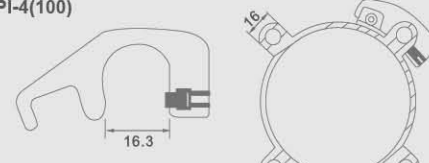
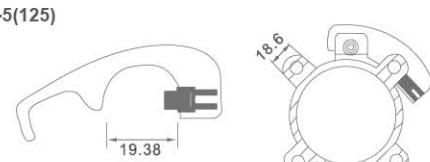
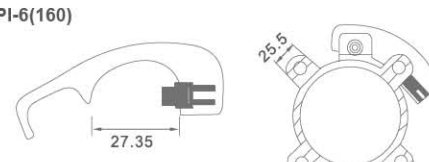
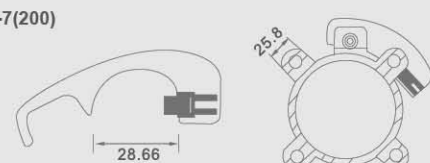
Clamp is designed for mounting XC-21 series sensor on $\Phi 12$ bore and above round cylinder

Product	Dimension	Mounting			
		Step 1	Step 2	Step 3	Step 4
		1.Release the screw up 2.Make the screw within the collect	1.Put one end of the band to the hanger 2.Install the switch and strain the metal band. 3.Another end of the band to the hanger and make mark.	1.Cut the metal band at the opposite face of the marked position	1.Put the metal band on the marked position. 2.Install the switch,lock the screw. 3.Finally lock the screw nut.
					
		PN	S	20	12:Round cylinder $\Phi 12$ 16:Round cylinder $\Phi 16$ 150:Round cylinder $\Phi 150$ S:Stainless steel round cylinder A:Aluminum round cylinder

PI / PAC Series Bracket

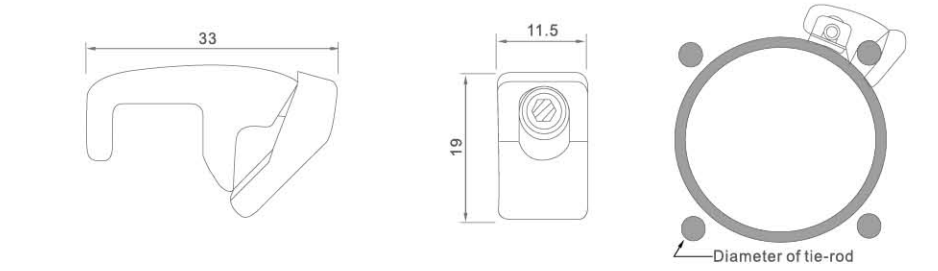
PI Series Bracket

Bracket is designed for mounting XC-21 series sensor on ISO profile cylinder.(mickey mouse Type)

Product	Dimension/Installation	
	PI-1(32/40)	
	PI-2(50/63)	
	PI-3(80)	
	PI-4(100)	
	PI-5(125)	
	PI-6(160)	
	PI-7(200)	

PAC Series Bracket

Bracket is designed for mounting XC-21 series on tie-rod cylinder.

Product	Dimension/Installation	
		
	Using for tie-rod cylinder $\Phi 32$ - $\Phi 100$,hydraulic cylinder(tie-rod bore $\Phi 4$ - $\Phi 10$)	

PM / SU Series Bracket

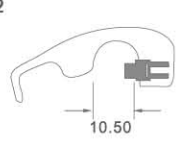
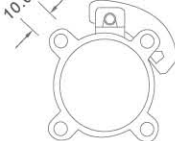
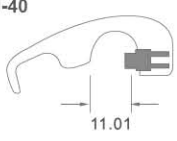
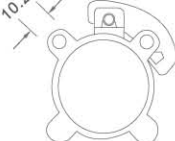
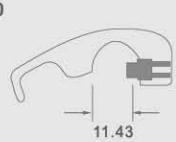
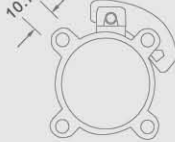
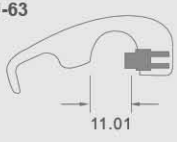
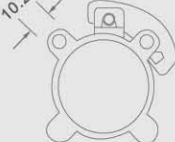
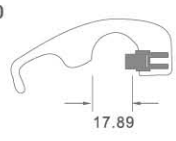
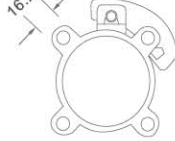
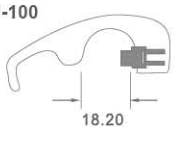
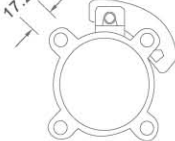
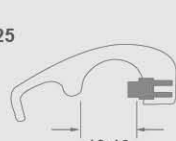
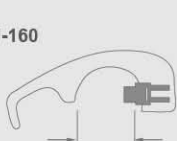
PM Series Bracket

Bracket is designed for mounting XC-21 series on tie-rod cylinder.

Product	Dimension/Installation	
	PM-6(32/40/50)  	PM-8(63)  
	PM-10(80/100)  	PM-12(125)  
	PM-16(160/200)  	

SU Series Bracket

Bracket is designed for mounting XC-21R sensor on mickey mouse Type cylinder (SUType).

Product	Dimension/Installation	
	SU-32  	SU-40  
	SU-50  	SU-63  
	SU-80  	SU-100  
	SU-125  	SU-160  
	SU-200 