

## HX-13

### Magnet Switch



#### How to Order?

**HX - 13 D - 2M - A 20**

Product code Series NO.

Switch Type  
 D: Two wire without contact switch  
 N: NPN type  
 P: PNP type  
 R: Two wire reed switch

Wirelength  
 2M: 2M  
 5M: 5M  
 10M: 10M  
 .....

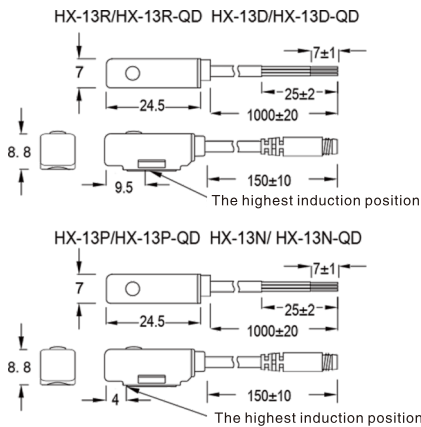
Bore material  
 Blank: No binding belt  
 A: Aluminum alloy barrel  
 (with binding belt)  
 S: Stainless steel barrel  
 (with binding belt)

Bore code

Bore material	Bore code
Aluminum alloy barrel	16: Bore16Φmm
	20: Bore20Φmm
	25: Bore25Φmm
	32: Bore32Φmm
Stainless steel barrel	40: Bore40Φmm
	06: Bore06Φmm
	08: Bore08Φmm
	10: Bore10Φmm
	12: Bore12Φmm
	16: Bore16Φmm
	20: Bore20Φmm
	25: Bore25Φmm
32: Bore32Φmm	
40: Bore40Φmm	

QD8: QD8 Male connector  
 QD12: QD12 Male connector  
 Note: The standard wire length of the quick connector is 0.15m. Other wire lengths cannot be ordered

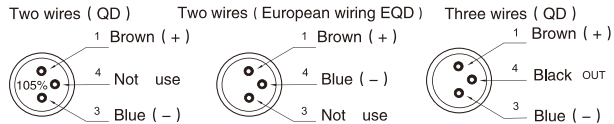
#### Dimension



#### Installation

Suitable for cylinder:  
 RAL/RA/IA/SJ/  
 SM/EG/NEG/NCM

#### M8/M12 male wiring diagram



#### Specifications

Type	HX-13D	HX-13N	HX-13P	HX-13R
Connect Diagram				
Parameter				
Wiring method	2-Wire Type	3-Wire Type		2-Wire Type
Switching logic		Electronic no contact type N.O.		SPST Normally Open
Sensor type	None contact type	NPN type ( Input)	PNP type ( Output)	Reed switch
Operating voltage	10-28V DC	5-30V DC		5-240V DC/AC
Max. switching current	50mA max	200mA max.		100mA max.
Contact rating	1.4 W max	6W max.		10W max.
Current consumption	40 μAmax@24V	8mAmax@24V(Switch Active)		None
Voltage drop	2.8 V max.	1 V max.@200mA DC		2.5 V max.
Leakage current	90 μAmax@28V	0.01mA max.		None
Indicator		Red LED		
Max. exchange frequency		1000Hz		200Hz
Temperature range		-10 - 70°C		
Shock		50G		30G
Vibration		9G		
Enclosure classification		IEC 529 IP67 (NEMA 6)		
Protection circuit	2, 4	3, 4		1
Cable	3.2Φ, 2C, Black color, oil resistance PVC	3.2Φ, 3C, Black color, oil resistance PVC		3.2Φ, 2C, Black color, oil resistance PVC
Switch sensitive		45-750G		50G

Note: 1= none /2= output short circuit protection /3= power reverse protection /4= surge absorption protection