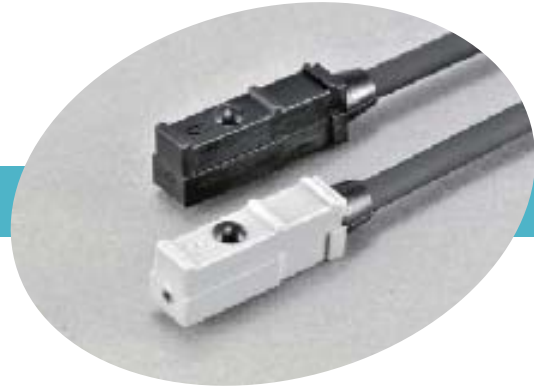


# New Product Information

'09-07

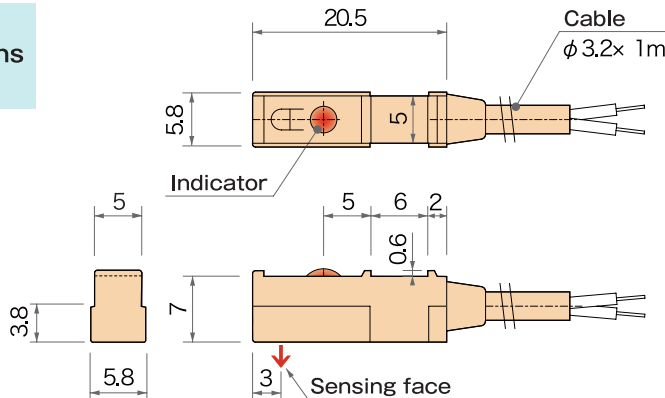
## Air Cylinder Switch AH0012



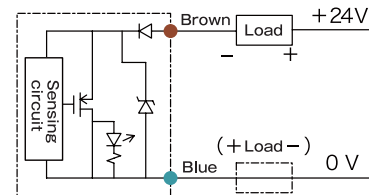
### Features

- Performing a stroke of as short as 1mm delivers a steady operation with high precision and reliability..
- Two-wired non-contact switch (replacement by lead switch is available.)
- High sensitivity with polarity detection Hall IC as action mechanism
- We offer adjustments to match each manufacturer' s cylinders or chucks.

### Dimensions



AH0012 S,N Circuit diagram 1



Note: Load can be set either on + power side or 0V side as the switch employs a two-wire system. Ensure the polarity is correctly aligned.

### Specifications

P N	AH0012-S	AH0012-N
Mounting position	Exit-side of air cylinder*	Entry-side of air cylinder*
Sensing pole	S(Lower surface)	N(Lower surface)
Case color	Gray	Black
Cable	Heat-resistant vinyl chloride sensor cable, 1m long (standard)	
Response time	50m sec max	
Power supply	DC 24V ( 12V )	
Indicator	Red LED	
Output form	Actuating current:50mA max, Off-state leakage current :0.5mA max	
Protection circuit spec	Protection diode for reverse power connectio	
Operating temperature range	-20°C~+85°C	
Degree of protection	Equivalent to IP67	
Case material	GF reinforced PBT	

\* Some commercial air cylinders have reversed magnetic poles. If such is the case, please mount a switch on the reverse side.

### Product Number

Product Number
AH 0012-S
AH 0012-N
HP 12-0
HP 12-3
HP 12-6 2
HP 12-t *2

\* Dedicated nut included

Product ID

AH 0012- S  
N

S detection on lower face side  
N detection on lower face side

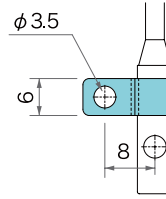


## ASA Electronics Industry Co, Ltd.

Techno-Eight Kodaira-Building  
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TEL: 042-341-8551/FAX:042-341-8826/URL:http://www.asadenshi.co.jp/

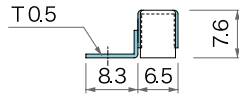
## Mounting Bracket for AH0012

Material\* : SUS304 · T0.5



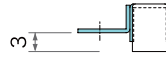
Part Number : **HP12-0**

(Level difference: flat)



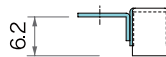
Part Number : **HP12-3**

(Level difference: 3m)



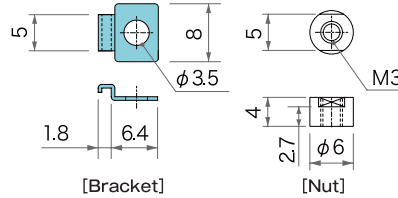
Part Number : **HP12-6.2**

(Level difference: 6.2m)



Part Number : **HP12-t**

(Dedicated nut included)



\* For air chucks

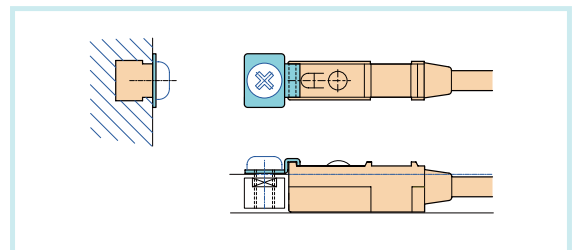
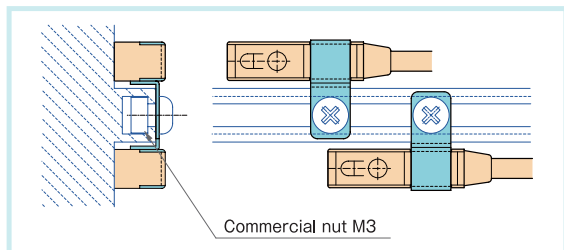
Note: Level difference: other clamping positions than above can be customized as option.



Mounting example for HP12-6.2



Mounting example for HP12-t



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