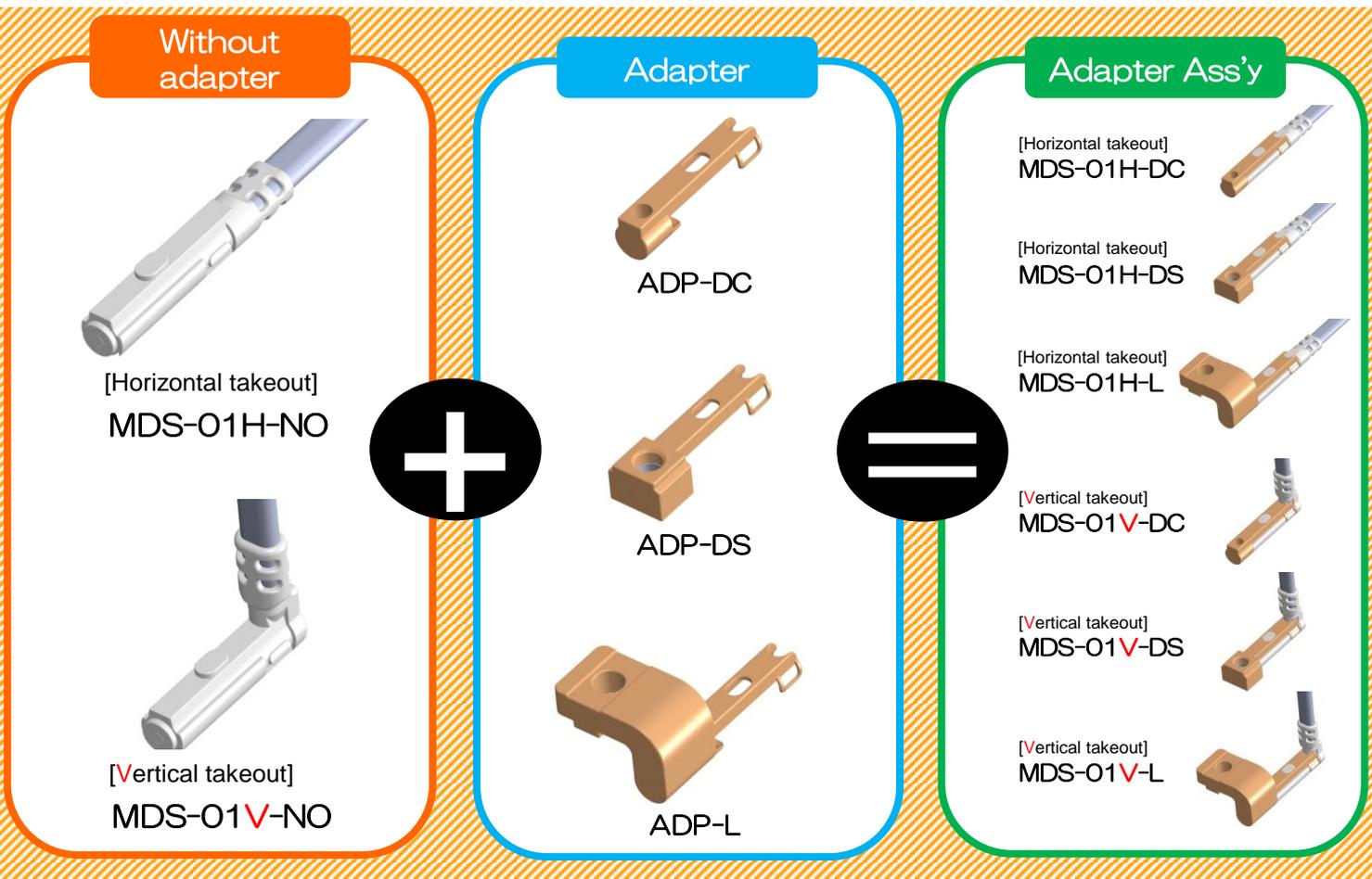


## Possible to attach to any air cylinders !

By replacing the adapter, it is possible to attach to our air cylinder as well as to other company's air cylinder. Since there is only one type of sensor main body, customer's problems such as easing inventory management, reducing order mistakes, and easing change of usage, etc. can be solved.



### Features of Non-contact Magnet Detect Sensor (MDS-01)

- 1 Fashionable**

Coloring and color changing of adapter is possible by customer's specification. We can respond to customer's request such as corporate color. Since it is possible to change shape or to customize the adapter, please do not hesitate to contact us.
- 2 Possible to attach to other company's air cylinders**

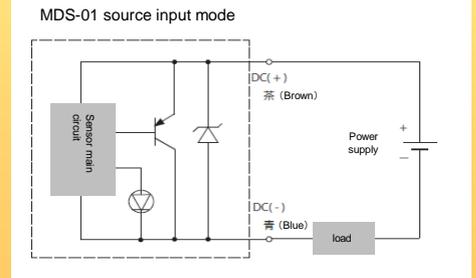
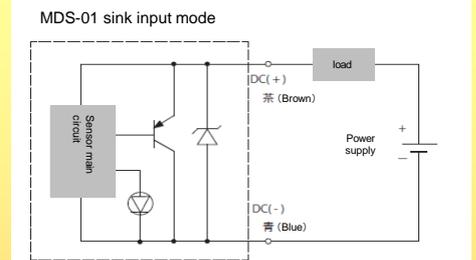
It is also possible to attach the MDS to other company's air cylinder by replacing the adapter. Please use this product for effective aggregation of cylinder sensor types.
- 3 Ideal for replacing the contact-type cylinder sensors**

According to the order quantity (number of lots), discounting is applied. We will offer a long-life non-contact cylinder sensor at a low cost comparable to the contact-type cylinder sensors. Please use this product for preventive maintenance of your production line.
- 4 Reduction of factory inventory management work**

Since there is only one type of sensor main body, factory inventory management work is reduced. It is possible to solve all problems of various cylinder sensors currently available including reduction of miss-ordering, easing change of usage, etc.

## Specifications of Non-contact Magnet Detector Sensor (MDS-01)

Item	Specifications
Wiring system	2-wire
Lead wire drawout method	Horizontal / Vertical grommet
Applicable load	DC24V Relay, PLC
Load power supply	DC24V (DC10~28V)
Load current	Less than 40mA
Internal voltage drop	Less than 4V
Leak current	Less than 1.0mA
Activation time	Less than 1ms
Operation indicator	Operating position, Red LED indicator
Lead wire	Oil proof and heat resistive vinyl cable cord
Impact resistance	1000m/s <sup>2</sup>
Insulation resistance	50MΩ or more at DC500V Megger (between lead wire and case)
Withstand voltage	AC1000V, 1 minute (between lead wire and case)
Ambient temperature	-10~60°C
Protective structure	IEC60529 standard IP65 JISC0920 splashproof structure
Maximum sensitivity position	4.5mm (without adapter)



## Application of Non-contact Magnet Detect Sensor (MDS-01) ※ in case of SMC's air cylinder 's case

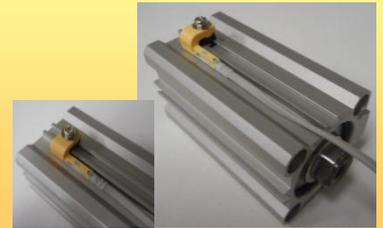
**MDS-01H-DC**



**MDS-01H-DS**

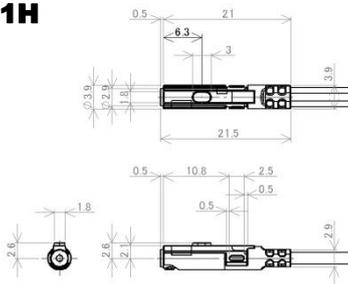


**MDS-01H-L**

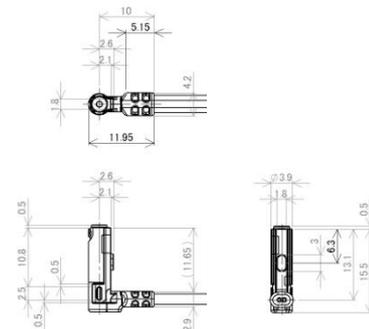


## External dimension of Non-contact Magnet Detect Sensor (MDS-01)

**MDS-01H**



**MDS-01V**



『ELEBON』 is a trademark or registered trademark of products using the energization diffusion (heating) bonding technology.

⚠ When using this product, please read the operation manual carefully.

Manufacturer

**ECO-A Co. Ltd.**

〒302-0127

Ibaraki-ken, Moriya-shi, Matsugaoka, 1-18-3

TEL : 0297-44-9247 FAX : 0297-44-9248



Please look at the information on the Internet.  
<http://www.eco-a2010.co.jp/>