

Double acting


Single acting (normally open) Single acting (normally closed)


Specifications


## Switch specifications

| Descriptions | Proximity 2-wire | Proximity 3-wire |
| :---: | :---: | :---: |
|  | T2H/V | T3H/V |
| Applications | Dedicated for programmable controller | For programmable controller, relay |
| Output method | - | NPN output |
| Power supply voltage | - | 10 to 28 VDC |
| Load voltage/current | 10 to 30 VDC, 5 to 20 mA (*1) | 30 VDC or less, 100 mA or less |
| Indicator lamp | LED |  |
| Leakage current | 1 mA or less | $10 \mu \mathrm{~A}$ or less |
| Weight | $1 \mathrm{~m}: 18 \mathrm{~g} \quad 3 \mathrm{~m}: 49 \mathrm{~g} \quad 5 \mathrm{~m}: 80 \mathrm{~g}$ |  |

*1 : The above max. load current is 20 mA at $25^{\circ} \mathrm{C}$.
The current is lower than 20 mA if the operating ambient temperature around the switch is higher than $25^{\circ} \mathrm{C}$. ( 5 to 10 mA at $60^{\circ} \mathrm{C}$ ) *2 : Refer to Ending Page 1 for other switch specifications.
*3 : The weight of switch mounting bracket is 1.5 g .

How to order

## How to order

Without switch (built-in magnet for switch)

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\text { HDL - } 3 \mathrm{CS}-0
$$

With switch (built-in magnet for switch)


| LCW |
| :---: |
| LCR |
| LCG |
| LCX |
| LCM |
| STM |
| STG |
| STS/STL |
| STR2 |
| UCA2 |
| ULK* |
| JSK/M2 |
| JSG |
| JSC3/JSC4 |
| USSD |
| UFCD |
| USC |
| JSB3 |
| LMB |
| LML |
| HCM |
| HCA |
| LBC |
| CAC4 |
| UCAC2 |
| CAC-N |
| UCAC-N |
| RCC2 |
| RCS |
| PCC |
| SHC |
| MCP |
| GLC |
| MFC |
| BBS |
| RRC |
| GRC |
| RV3* |
| NHS |
| HR |
| LN |
| Hand |
| Chuk |
| MecthrdChuk |
| ShkAbs |
| FJ |
| FK |
| SpdContr |
| Ending |
| LSH |
| FH100 |
| HAP |
| BSA2 |
| BHA/BHG |
| LHA |
| LHAG |
| HKP |
| HLA/HLB |
| HLAGHLHG |
| HLD |
| HCP |
| HMF |
| HMFB |
| HFP |
| HLC |
| HGP |
| FH500 |
| HBL |
| HDL |
| HMD |
| HJD |
| HJL |
| BHE |

## $H^{\text {series }}$

Standard (double acting)/O (normally open)


Cannot be disassembled

* Standard (double acting) does not contain (11) spring.

| No. | Part name | Material | Remarks | No. | Part name | Material | Remarks |
| :---: | :--- | :--- | :---: | :---: | :--- | :--- | :--- |
| 1 | Rod packing | Nitrile rubber |  | 9 | Piston A |  | Stainless steel |
| 2 | Cylinder gasket | Nitrile rubber |  | 10 | Piston B | Acetal resin |  |
| 3 | Piston packing | Nitrile rubber |  | 11 | Spring | Stainless steel | O type only |
| 4 | Magnet |  | 12 | Cylinder guard | Acetal resin |  |  |
| 5 | Cylinder | Aluminum alloy |  | 13 | Piston | Stainless steel |  |
| 6 | Pinion gear | Steel |  | 14 | Spring | Stainless steel |  |
| 7 | Master key | Steel |  | 15 | Cylinder | Aluminum alloy |  |
| 8 | Body | Aluminum alloy |  |  |  |  |  |

## Gripping power performance data

The gripping power in the opening/closing directions with jaw length $L$ of hand with a supply pressure of $0.3,0.5$ and 0.7 MPa is shown.

- Open direction (̧) --- (shown with broken line)
- Closed direction ( $\quad$ (shown with continuous line)



(Note) O type gripping power decreases approximately 20 to $30 \%$ in the closed direction compared to double acting.
C type gripping power decreases approximately 10 to $20 \%$ in the open direction compared to the double acting
When making a selection, read the precautions for design and selection on page 1636.
- Dimensions in () are for C [normally closed] specifications.


