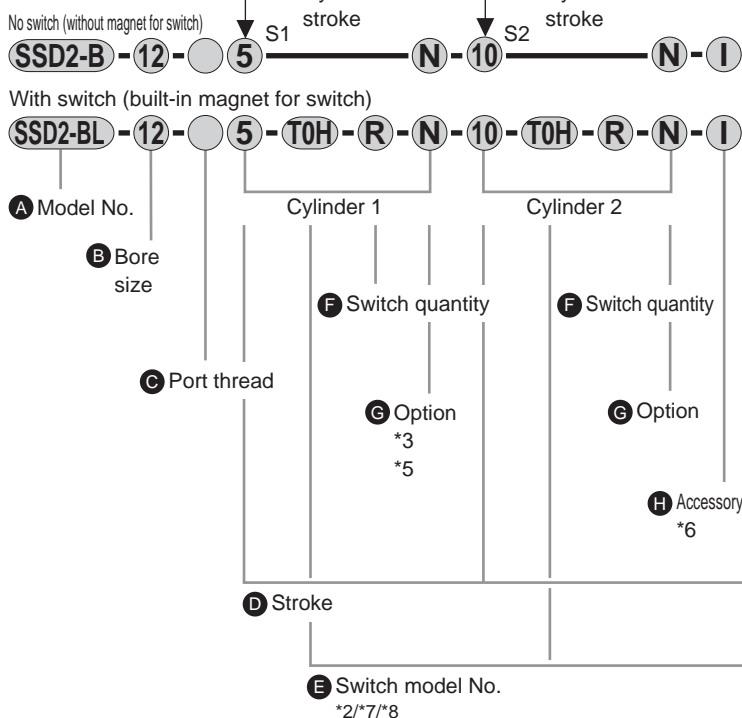


SSD2-B Series

How to order



⚠ Precautions for model No. selection

- *1 : When two cylinders are connected, the connection is from Cylinder 2 side.
(Refer to dimensions)
Determine cylinders 1 and 2 with the mounting method in mind.
- *2 : The T2YD* switch cannot be installed on ø12 and ø16. In addition, T8* switch cannot be installed on ø12 to ø32.
- *3 : Piston rod of ø12 to ø25 is stainless steel as standard.
C-snap ring is stainless steel instead of steel.
The rod end male thread nut is stainless steel.
- *4 : Refer to pages 750 and 751 for combinations of variations/options.
- *5 : Option "N" will be inscribed on both S1 and S2 sides, but for all other option codes, they will only be written on S2.
- *6 : Two units are included when an accessory is selected. One unit each is included when "IY" is selected.
- *7 : The F-switch with L type lead wire on ø20 models cannot be selected on strokes of 15 mm or under.
- *8 : Switches are shipped with the product. Contact CKD if assembling before shipment is necessary.
- *9 : When S1 stroke is at or below that in the table below, the length of the usable mounting bolts will differ from the standard and so contact CKD.

| Bore size | No switch | With switch |
|-----------|------------|-------------|
| | S1 Stroke | |
| ø20 | 10 or less | - |
| ø25 | 5 or less | - |
| ø32 | 5 or less | - |
| ø50 | 5 or less | - |
| ø63 | 15 or less | 5 or less |
| ø80 | 20 or less | 10 or less |
| ø100 | 10 or less | - |

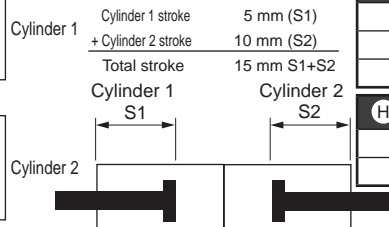
*10: F-switch cannot be selected.

[Example of model No.]

SSD2-BL-12-5-T0H-R-N-10-T0H-R-N

Model: Compact cylinder, back to back

- B** Bore size : ø12 mm
- C** Port thread : Rc thread
- D** Stroke S1 : 5 mm
- E** Switch model No. : Reed switch T0H, lead wire 1 m
- F** Switch quantity : 1 on rod side
- C** Option : Rod end male thread
- D** Stroke S2 : 10 mm
- E** Switch model No. : Reed switch T0H, lead wire 1 m
- F** Switch quantity : 1 on rod side
- G** Option : Rod end male thread



| Code | | Description | | | | | | | | | | | | | |
|--|-----------|---|-------------------|-----------------------------------|--------------------------|-----------|----|----|----|----|----|----|----|----|-----|
| A Model No. | | | | | | | | | | | | | | | |
| SSD2-B | | Double acting/back to back | | | | | | | | | | | | | |
| SSD2-BL | | Double acting/back to back/with switch | | | | | | | | | | | | | |
| B Bore size (mm) | | | | | | | | | | | | | | | |
| 12 | | ø12 | | | | | | | | | | | | | |
| 16 | | ø16 | | | | | | | | | | | | | |
| 20 | | ø20 | | | | | | | | | | | | | |
| 25 | | ø25 | | | | | | | | | | | | | |
| 32 | | ø32 | | | | | | | | | | | | | |
| 40 | | ø40 | | | | | | | | | | | | | |
| 50 | | ø50 | | | | | | | | | | | | | |
| 63 | | ø63 | | | | | | | | | | | | | |
| 80 | | ø80 | | | | | | | | | | | | | |
| 100 | | ø100 | | | | | | | | | | | | | |
| C Port thread | | | | | | | | | | | | | | | |
| Blank | | Rc thread | | | | | | | | | | | | | |
| NN | | NPT thread (ø32 and over) (made-to-order product) | | | | | | | | | | | | | |
| GN | | G thread (ø32 and over) (made-to-order product) | | | | | | | | | | | | | |
| D Stroke (mm) | | | | | | | | | | | | | | | |
| Refer to the stroke table on the following page. | | | | | | | | | | | | | | | |
| E Switch model No. | | | | | | | | | | | | | | | |
| Lead wire | Lead wire | Contact | Voltage | | Lead | Bore size | | | | | | | | | |
| Straight | L-shaped | | AC | DC | wire | 12 | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 80 | 100 |
| - | F2S* | Proximity | ● | 1-color LED | 2-wire | | | ● | ● | | | | | | |
| - | F3S* | | ● | | 3-wire | | | ● | ● | | | | | | |
| F2H* | F2V* | | ● | | 2-wire | | | ● | ● | | | | | | |
| F3H* | F3V* | | ● | | 3-wire | | | ● | ● | | | | | | |
| F3PH* | F3PV* | Proximity | ● | 1-color LED (PNP output) (custom) | 3-wire | | | ● | ● | | | | | | |
| F2YH* | F2YV* | | ● | 2-color LED | 2-wire | | | ● | ● | | | | | | |
| F3YH* | F3YV* | | ● | | 3-wire | | | ● | ● | | | | | | |
| T0H* | T0V* | | ● | | 1-color LED | 2-wire | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| T5H* | T5V* | ● | no indicator lamp | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● | |
| T8H* | T8V* | ● | 1-color LED | | | | | | ● | ● | ● | ● | ● | ● | |
| T1H* | T1V* | ● | 1-color LED | 2-wire | | | | ● | ● | ● | ● | ● | ● | ● | ● |
| T2H* | T2V* | ● | | | LED | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| T3H* | T3V* | ● | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| T3PH* | T3PV* | ● | | | 1-color LED (PNP output) | 3-wire | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| T2WH* | T2WV* | Proximity | ● | 2-color LED | 2-wire | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| T2YH* | T2YV* | | ● | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| T3WH* | T3WV* | | ● | | LED | 3-wire | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| T3YH* | T3YV* | | ● | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| T2YD* | - | Proximity | ● | 2-color LED (AC magnetic field) | 2-wire | | | ● | ● | ● | ● | ● | ● | ● | ● |
| T2YDT* | - | | ● | | 2-wire | | | ● | ● | ● | ● | ● | ● | ● | ● |
| T2JH* | T2JV* | | ● | 1-color LED off-delay | 2-wire | | | ● | ● | ● | ● | ● | ● | ● | ● |
| | | | | | | | | | | | | | | | |
| * Lead wire length | | | | | | | | | | | | | | | |
| Blank | | 1 m (standard) | | | | | | | | | | | | | |
| 3 | | 3 m (option) | | | | | | | | | | | | | |
| 5 | | 5 m (option) | | | | | | | | | | | | | |
| *9 | | | | | | | | | | | | | | | |
| F Switch quantity | | | | | | | | | | | | | | | |
| R | | 1 on rod side | | | | | | | | | | | | | |
| H | | 1 on head side | | | | | | | | | | | | | |
| D | | 2 | | | | | | | | | | | | | |
| G Option | | | | | | | | | | | | | | | |
| Blank | | Rod end female thread | | | | | | | | | | | | | |
| N | | Rod end male thread | | | | | | | | | | | | | |
| M *3 | | Piston rod material (stainless steel) | | | | | | | | | | | | | |
| H Accessory (available when rod end male thread "N" is selected) | | | | | | | | | | | | | | | |
| I | | Rod eye | | | | | | | | | | | | | |
| Y | | Rod clevis (pin and snap ring included) | | | | | | | | | | | | | |

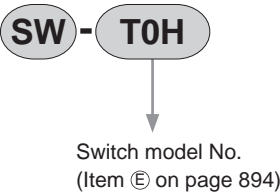
[Stroke table]

| Stroke (mm) | | Applicable bore size | | | | | | | | | |
|---------------------|-----|----------------------|----|----|----|-----|----|----|----|----|-----|
| | | 12 | 16 | 20 | 25 | 32 | 40 | 50 | 63 | 80 | 100 |
| Standard stroke | 5 | ● | ● | ● | ● | ● | ● | | | | |
| | 10 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | 15 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | 20 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | 25 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | 30 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | 35 | | | ● | ● | ● | ● | ● | ● | ● | ● |
| | 40 | | | ● | ● | ● | ● | ● | ● | ● | ● |
| | 45 | | | ● | ● | ● | ● | ● | ● | ● | ● |
| | 50 | | | ● | ● | ● | ● | ● | ● | ● | ● |
| | 75 | | | | | ● | ● | ● | ● | ● | ● |
| | 100 | | | | | ● | ● | ● | ● | ● | ● |
| Min. stroke (mm) *1 | | 1 | | | | | | | | | |
| Max. stroke (mm) | | 30 | | 50 | | 100 | | | | | |
| Custom stroke *2 | | In 1 mm increments | | | | | | | | | |

1 : Less than 5 mm for 1-color LED switch and less than 10 mm for the 2-color LED, off-delay, AC magnetic field proof, T1 or T8* switch are not available.
Refer to page 890 for the min. stroke with switch.

*2 : The total length when using a custom stroke is the same as that when using the next longer standard stroke.

How to order switch



| |
|------------------|
| SCP*3 |
| CMK2 |
| CMA2 |
| SCM |
| SCG |
| SCA2 |
| SCS2 |
| CKV2 |
| CAV2/ COVP/N2 |
| SSD2 |
| SSG |
| SSD |
| CAT |
| MDC2 |
| MVC |
| SMG |
| MSD/ MSDG |
| FC* |
| STK |
| SRL3 |
| SRG3 |
| SRM3 |
| SRT3 |
| MRL2 |
| MRG2 |
| SM-25 |
| ShkAbs |
| FJ |
| FK |
| Spd Contr |
| Ending |