

Type 10  
Side Ported

Type 11  
Bottom Ported

# Plug-in Connector Connecting Base

D-sub Connector Flat Ribbon Cable

## SY3000/5000/7000 Series



### How to Order Manifolds

Refer to pages 160 (SY5000) and 161 (SY7000) for the dimensions of Type 11/Bottom-ported type.

SS5Y **3** - **10** **F** **1** - **05** **U** - **C6**

1 2 3 4 5 6 7 8 9

#### 1 Series

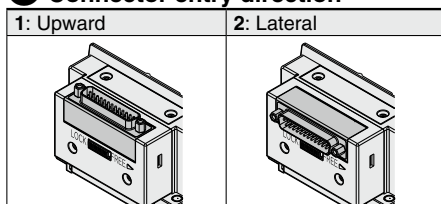
3	SY3000
5	SY5000
7	SY7000

#### 2 Type

10	Side ported
11	Bottom ported*1

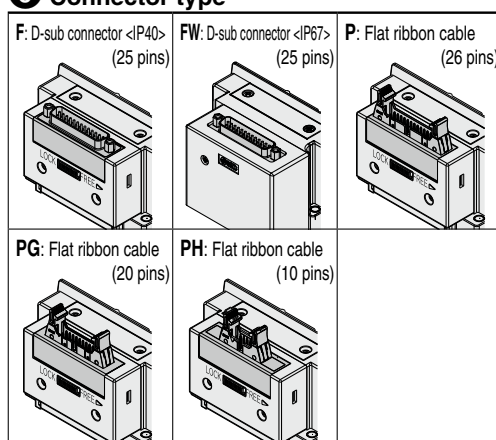
\*1 The SY5000 manifold base is used for the bottom-ported SY3000. When ordering, refer to the "Plug-in Mixed Mounting Type Manifold" (from page 165).

#### 4 Connector entry direction



\* The connector entry direction for connector type "FW" D-sub connector <IP67> cannot be rotated. If it is necessary to change, order the connector block assembly (page 183) separately.

#### 3 Connector type



#### 5 Valve stations

F/FW: D-sub connector (25 pins)

Symbol	Stations	Note
02	2 stations	Double wiring*1
⋮	⋮	
12	12 stations	
02	2 stations	Specified layout*2 (Up to 24 solenoids available)
⋮	⋮	
24	24 stations	

PG: Flat ribbon cable (20 pins)

Symbol	Stations	Note
02	2 stations	Double wiring*1
⋮	⋮	
09	9 stations	
02	2 stations	Specified layout*2 (Up to 18 solenoids available)
⋮	⋮	
18	18 stations	

P: Flat ribbon cable (26 pins)

Symbol	Stations	Note
02	2 stations	Double wiring*1
⋮	⋮	
12	12 stations	
02	2 stations	Specified layout*2 (Up to 24 solenoids available)
⋮	⋮	
24	24 stations	

PH: Flat ribbon cable (10 pins)

Symbol	Stations	Note
02	2 stations	Double wiring*1
⋮	⋮	
04	4 stations	
02	2 stations	Specified layout*2 (Up to 8 solenoids available)
⋮	⋮	
08	8 stations	

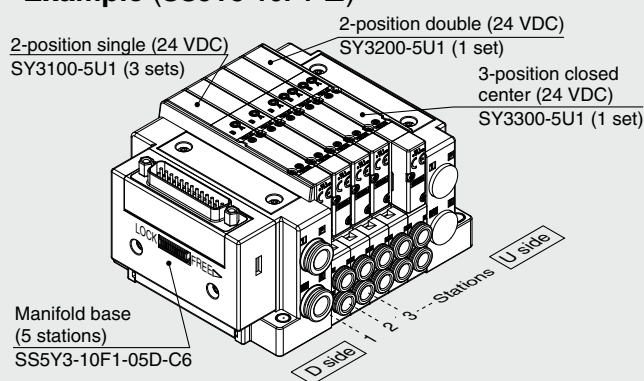
\*1 Double wiring: 2-position single, double, 3-position, and 4-position valves can be used on all manifold stations. Use of a 2-position single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.

\*2 Specified layout: Indicate the wiring specifications on the manifold specification sheet. (Note that 2-position double, 3-position, and 4-position valves cannot be used where single wiring has been specified.)

\* This also includes the number of the blanking plate assembly.

### How to Order Manifold Assembly

#### Example (SS5Y3-10F1-□)



SS5Y3-10F1-05D-C6 ... 1 set (Type 10 5-station manifold base part no.)  
 \*SY3100-5U1 ..... 3 sets (2-position single part no.)  
 \*SY3200-5U1 ..... 1 set (2-position double part no.)  
 \*SY3300-5U1 ..... 1 set (3-position closed center part no.)

The asterisk denotes the symbol for the assembly. Prefix it to the part numbers of the valve, etc.

- For the valve arrangement, the valve closest to the D side is considered the 1st station.
- Under the manifold part number, state the valves to be mounted in order starting with the 1st station as shown in the figure above. If the arrangement becomes too complicated, specify the details on a manifold specification sheet.

\* When mixing top-ported configurations, select from those listed on page 54. In such cases, use caution as there is also output on the A and B ports on the base side. Specify on the manifold specification sheet if plugs are required for the A and B ports on the base side.

## 6 P, E port entry

<b>U</b>	U side (2 to 10 stations)
<b>D</b>	D side (2 to 10 stations)
<b>B</b>	Both sides (2 to 24 stations)

## 7 SUP/EXH block assembly

<b>Nil</b>	Internal pilot
<b>S</b>	Internal pilot, Built-in silencer
<b>R</b>	External pilot

\* 3/5(E) port is plugged for the built-in silencer type.

## 9 Mounting and Option

Symbol	Mounting	Option	
		Name plate	Station number
<b>Nil</b>	Direct mounting	—	—
<b>AA</b>		●	●
<b>BA</b>		●	—
<b>D</b> □	DIN rail mounting	—	—
<b>A</b> □		●	●
<b>B</b> □		●	—

### DIN Rail Option

Nil	Direct mounting
<b>0</b>	Without DIN rail (with bracket)
<b>3</b>	For 3 stations
<b>⋮</b>	⋮
<b>24</b>	For 24 stations

\* Enter the number of stations inside □ when it is larger than the number of valve stations. (Refer to "DIN Rail Option" above.)

\* Only direct mounting is available for the type 11 bottom-ported type.

\* Refer to page 295 for the fixation of DIN rail mounting type manifold.

## 8 A, B port size (Metric/One-touch fitting)

Symbol	A, B port	Type 10/Side ported			Type 11/Bottom ported	
		SY3000	SY5000	SY7000	SY5000	SY7000
<b>C2</b>	ø2	●	—	—	—	—
<b>C3</b>	ø3.2	●	—	—	—	—
<b>C4</b>	ø4	●	●	—	●	—
<b>C6</b>	ø6	●	●	●	●	●
<b>C8</b>	ø8	—	●	●	●	●
<b>C10</b>	ø10	—	—	●	—	●
<b>C12</b>	ø12	—	—	●	—	●
<b>CM</b> *1	Straight port, mixed sizes	●	●	●	●	●
<b>L4</b>	ø4	●	●	—	—	—
<b>L6</b>	ø6	●	●	●	—	—
<b>L8</b>	ø8	—	●	●	—	—
<b>L10</b>	ø10	—	—	●	—	—
<b>L12</b>	ø12	—	—	●	—	—
<b>B4</b>	ø4	●	●	—	—	—
<b>B6</b>	ø6	●	●	●	—	—
<b>B8</b>	ø8	—	●	●	—	—
<b>B10</b>	ø10	—	—	●	—	—
<b>B12</b>	ø12	—	—	●	—	—
<b>LM</b> *1	Elbow port, mixed sizes (Including upward and downward piping)	●	●	●	—	—
P, E port size (One-touch fittings)		ø8	ø10	ø12	ø10	ø12

## A, B port size (Inch/One-touch fitting)

Symbol	A, B port	Type 10/Side ported			Type 11/Bottom ported	
		SY3000	SY5000	SY7000	SY5000	SY7000
<b>N1</b>	ø1/8"	●	—	—	—	—
<b>N3</b>	ø5/32"	●	●	—	●	—
<b>N7</b>	ø1/4"	●	●	●	●	●
<b>N9</b>	ø5/16"	—	●	●	●	●
<b>N11</b>	ø3/8"	—	—	●	—	●
<b>CM</b> *1	Straight port, mixed sizes	●	●	●	●	●
<b>LN3</b>	ø5/32"	●	—	—	—	—
<b>LN7</b>	ø1/4"	●	●	—	—	—
<b>LN9</b>	ø5/16"	—	●	—	—	—
<b>LN11</b>	ø3/8"	—	—	●	—	—
<b>BN3</b>	ø5/32"	●	—	—	—	—
<b>BN7</b>	ø1/4"	●	●	—	—	—
<b>BN9</b>	ø5/16"	—	●	—	—	—
<b>BN11</b>	ø3/8"	—	—	●	—	—
<b>LM</b> *1	Elbow port, mixed sizes (Including upward and downward piping)	●	●	●	—	—
P, E port size (One-touch fittings)		ø5/16"	ø3/8"	ø1/2"	ø3/8"	ø1/2"

\*1 Indicate the sizes on the manifold specification sheet in the case of "CM" or "LM."

The direction of P, E port fittings is the same as for the A, B port. If selecting "LM," indicate it on the manifold specification sheet for the P, E port fitting direction.

\*2 To avoid interference with the body or piping, select a downward elbow port when mounting the optional spacer assembly (pages 204 to 206).