Plug-in Connector Connecting Base

D-sub Connector　**Flat Ribbon Cable**　**PC Wiring**

Series **SY3000/5000** CE

RoHS

How to Order Manifold

SS5Y ❶3 – ❷10 ❸F ❹1 – ❺05 ❻U ❼☐ – ❽C6 ❾☐
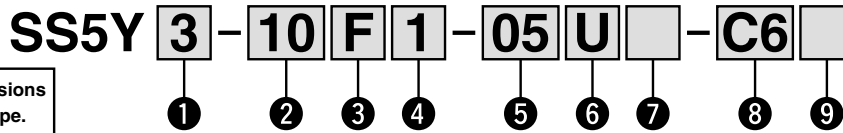
Refer to page 123 for dimensions of Type 11/Bottom ported type.

❶ Series

3	SY3000
5	SY5000

❷ Type

| 10	Side ported
11	Bottom ported*

∗ The SY5000 manifold base is used for the bottom ported of the SY3000. When ordering, refer to Plug-in Mixed Mounting Type Manifold (from page 127).

❸ Connector type

F: D-sub connector (25 pins)
P: Flat ribbon cable (26 pins)
PG: Flat ribbon cable (20 pins)
PH: Flat ribbon cable (10 pins)
J: PC wiring (20 pins) Yellow ink

❹ Connector entry direction

1: Upward	2: Lateral
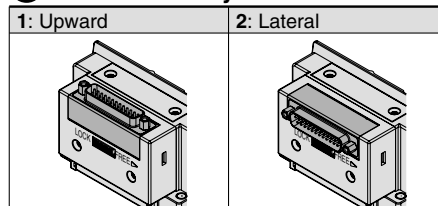
❺ Valve stations

F: D-sub connector (25 pins)

Symbol	Stations	Note
02	2 stations	Double wiring Note 1)
⋮	⋮	
12	12 stations	
02	2 stations	Specified layout Note 2) (Available up to 24 solenoids)
⋮	⋮	
24	24 stations	

P: Flat ribbon cable (26 pins)

Symbol	Stations	Note
02	2 stations	Double wiring Note 1)
⋮	⋮	
12	12 stations	
02	2 stations	Specified layout Note 2) (Available up to 24 solenoids)
⋮	⋮	
24	24 stations	

PG: Flat ribbon cable (20 pins)

Symbol	Stations	Note
02	2 stations	Double wiring Note 1)
⋮	⋮	
09	9 stations	
02	2 stations	Specified layout Note 2) (Available up to 18 solenoids)
⋮	⋮	
18	18 stations	

PH: Flat ribbon cable (10 pins)

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

J: PC wiring (20 pins)

Symbol	Stations	Note
02	2 stations	Double wiring Note 1)
⋮	⋮	
08	8 stations	
02	2 stations	Specified layout Note 2) (Available up to 16 solenoids)
⋮	⋮	
16	16 stations	

Note 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.

Note 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.)

Note 3) This also includes the number of blanking plate assembly.

How to Order Manifold Assembly

Example (SS5Y3-10F1-☐)

2-position single (24 VDC) SY3100-5U1 (3 sets)
2-position double (24 VDC) SY3200-5U1 (1 set)
3-position closed center (24 VDC) SY3300-5U1 (1 set)
Manifold base (5 stations) SS5Y3-10F1-05D-C6
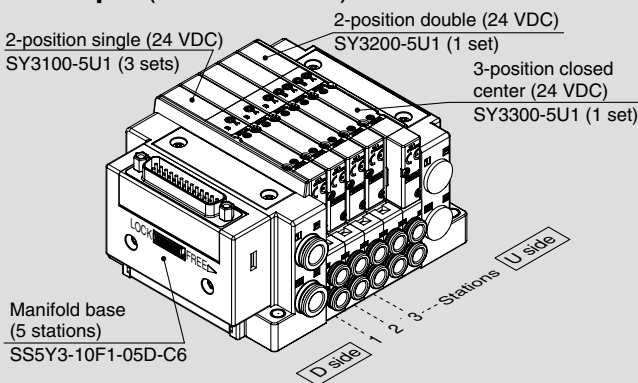
SS5Y3-10F1-05D-C6 ⋯ 1 set (Type 10 5-station manifold base part no.)
∗**SY3100-5U1**⋯⋯⋯⋯⋯ 3 sets (2-position single part no.)
∗**SY3200-5U1**⋯⋯⋯⋯⋯ 1 set (2-position double part no.)
∗**SY3300-5U1**⋯⋯⋯⋯⋯ 1 set (3-position closed center part no.)

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

• The valve arrangement is numbered as the 1st station from the D side.
• Under the manifold part number, state the valves to be mounted in order from the 1st station as shown in the figure above. If the arrangement becomes complicated, specify on a manifold specification sheet.

Note) When mixing top ported configurations, select from page 56.
In this case, use caution as there is also output on the A and B port on base side. Specify on a manifold specification sheet if plugs are required on the A and B port on base side.

❻ P, E port entry

U	U side (2 to 10 stations)
D	D side (2 to 10 stations)
B	Both sides (2 to 24 stations)

Refer to the page on the right for ❽.

❼ SUP/EXH block assembly

Nil	Internal pilot
S	Internal pilot, Built-in silencer
R	External pilot

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

❾ Mounting and Option

Symbol	Mounting	Option
Nil	Direct mounting	None
AA		Name plate (With station number)
BA		Name plate (Without station number)
D☐	DIN rail mounting	Without name plate
A☐		Name plate (With station number)
B☐		Name plate (Without station number)

DIN Rail Option

Nil	Direct mounting
0	Without DIN rail (with bracket)
3	For 3 stations · Specify a longer rail than the total length of specified stations.
⋮	⋮
24	For 24 stations

Note 1) Enter the number of stations inside ☐. (Refer to "DIN Rail Option" below.)
Note 2) Only direct mounting is available for Type 11 (Bottom ported).

SMC