Plug-in Metal Base

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

Series SY3000/5000 $C\epsilon$

RoHS

How to Order Manifold

SS5Y 3 – 50 F 1 – □ 05 D – C6 □ □

❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾ ❿

❶ Series
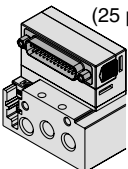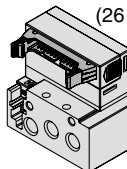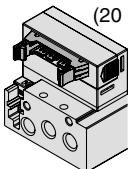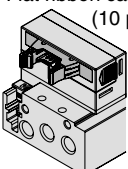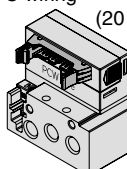
3	SY3000
5	SY5000

❷ Type
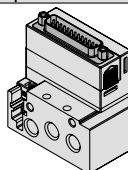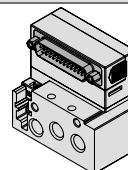
50	Side ported
51	Bottom ported
50R	Side ported, External pilot

∗ External pilot is not available for the bottom ported type.

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)

❹ Connector entry direction

1: Upward	**2**: Lateral

❺ Wiring type

Nil	All double wiring Note 1)
S	All single wiring Note 2)

Note 1) All double wiring: 2-position single, double, 3-position and 4-position valves can be used on all manifold stations.
Note 2) All single wiring: Available only for the manifold which has 2-position single for all stations.
Note that 2-position double, 3- or 4-position valves cannot be used.
Note 3) Please contact SMC if a mixture of single wiring and double wiring is required.
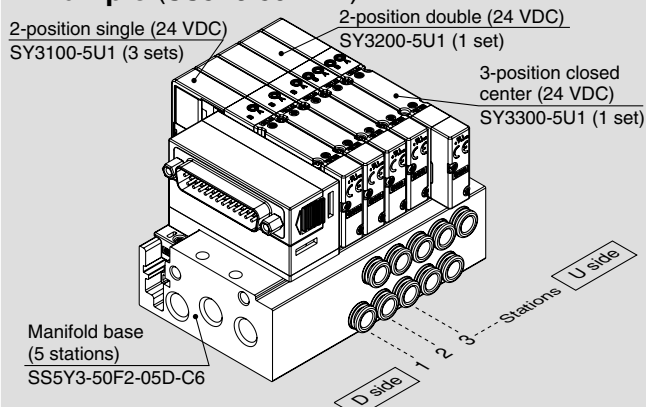
❻ Valve stations

F: D-sub connector (25 pins)

Symbol	Stations	Note
02	2 stations	All double wiring
:	:	
12	12 stations	
02	2 stations	All single wiring
:	:	
12	12 stations	

P: Flat ribbon cable (26 pins)

Symbol	Stations	Note
02	2 stations	All double wiring
:	:	
12	12 stations	
02	2 stations	All single wiring
:	:	
12	12 stations	

PG: Flat ribbon cable (20 pins)

Symbol	Stations	Note
02	2 stations	All double wiring
:	:	
09	9 stations	
02	2 stations	All single wiring
:	:	
12	12 stations	

PH: Flat ribbon cable (10 pins)

Symbol	Stations	Note
02	2 stations	All double wiring
:	:	
04	4 stations	
02	2 stations	All single wiring
:	:	
08	8 stations	

J: PC wiring (20 pins)

Symbol	Stations	Note
02	2 stations	All double wiring
:	:	
08	8 stations	
02	2 stations	All single wiring
:	:	
12	12 stations	

∗ This also includes the number of blanking plate assembly.

❼ P, E port entry

U	U side Note 1)
D	D side Note 1) Note 2)
B	Both sides

Note 1) Plugs are mounted on the opposite side of the selected ports.
Note 2) Only D side is available for Type 51 (Bottom ported).

Refer to the page on the right for ❽.

❾ Thread type

Nil	Rc
F	G
N	NPT
T	NPTF

❿ Mounting

Nil	Direct mounting
D	DIN rail mounting (With DIN rail)
D0	DIN rail mounting (Without DIN rail)
D3	For 3 stations	Specify a longer rail than the standard length.
:	:	
D12	For 12 stations	

∗ Only direct mounting is available for Type 51 (Bottom ported).

How to Order Manifold Assembly

Example (SS5Y3-50F2-□)

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)
SS5Y3-50F2-05D-C6

D side 1 · 2 · 3 ··· Stations U side

SS5Y3-50F2-05D-C6 ··· 1 set (Type 50 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 30.
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.

SMC