

Order Made Specifications SY3000/5000 Mixed Mounting Type

Type **M45**

Non-plug-in

SY5000 manifold base allows mounting of SY3000.

How to Order Manifolds

Type M45 (Mixed mounting)

SS5Y5-M45-05 U C86

Mixed mounting type

Stations

Symbol	Stations	SUP/EXH block assembly mounting position
02	2 stations	
:	:	
20	20 stations	

* Includes the number of blanking plate assemblies.

* For special specifications, order separately on a manifold specification sheet.

SUP/EXH block assembly specification

Symbol	Specification
Nil	Standard/Internal pilot
S	Built-in silencer

Note) External pilot specification is not available for the mixed mounting type.

Option

When a DIN rail longer than the specified stations is necessary, indicate the number of required stations. (Max. 20 stations)

A/B port size

Symbol	Port size	Symbol	Port size
C44	SY5000: ø4 One-touch fitting SY3000: ø4 One-touch fitting	C66	SY5000: ø6 One-touch fitting SY3000: ø6 One-touch fitting
C46	SY5000: ø4 One-touch fitting SY3000: ø6 One-touch fitting	C84	SY5000: ø8 One-touch fitting SY3000: ø4 One-touch fitting
C64	SY5000: ø6 One-touch fitting SY3000: ø4 One-touch fitting	C86	SY5000: ø8 One-touch fitting SY3000: ø6 One-touch fitting
		M*	Mixed

* For mixed specifications, order separately on a manifold specification sheet.

How to Order Manifold Assemblies (Example)

SS5Y5-M45-05U-C86 1 set (Type M45 manifold base part no.)
 * SY3140-5G 3 sets (Single solenoid part no.)
 * SY5140-5G* 2 sets (Single solenoid part no.)

To order valves and options mounted onto the manifold at the factory, list the valve/option with an asterisk (*) in front of each part number.

Valves are assembled from the D side regardless of the location of the SUP/EXH block assembly. Add the valve and option part numbers in order starting from the first station on the D side. When entry of part numbers becomes complicated, indicate on a manifold specification sheet. (Manifold Specification Sheet on pages 227 and 228)

How to Order Valves

SY 5 2 40-5 L

Series

3	SY3000
5	SY5000

Type of actuation

1	2 position single
2	2 position double
3	3 position closed center
4	3 position exhaust center
5	3 position pressure center

Rated voltage

DC specifications	
5	24VDC
6	12VDC
V	6VDC
S	5VDC
R	3VDC

AC specifications (50/60Hz)	
1	100VAC
2	200VAC
3	110VAC [115VAC]
4	220VAC [230VAC]

Manual override

Nil	Non-locking push type
D	Push-turn locking slotted type
E	Push-turn locking lever type

Indicator light/Surge voltage suppressor
Electrical entry G, H, L, M

Nil	Without indicator light/surge voltage suppressor
S	With surge voltage suppressor
Z	With indicator light/surge voltage suppressor
R	With surge voltage suppressor (non-polar type)
U	With indicator light/surge voltage suppressor (non-polar type)

Note 1) For AC, there is no "S" specification, since it is integrated with the rectifier.
 Note 2) "R" and "U" are available for DC only.

Electrical entry

24V, 12V, 6V, 5V, 3VDC/100V, 110V, 200V, 220VAC		
Grommet	L type plug connector	M type plug connector
G: Lead wire length 300mm	L: With lead wire (length 300mm)	M: With lead wire (length 300mm)
H: Lead wire length 600mm	LN: Without lead wire	MN: Without lead wire
	LO: Without connector	MO: Without connector

Note) "LN" and "MN" include 2 sockets.

SY⁵3000: Non-plug-in

Mixed Mounting DIN Rail Manifold

Manifold Specification Sheet

Follow procedures ① through ③.

① Manifold Type

Enter the symbols for required specifications in the boxes below.

SS5Y5-M45

• Stations
 • SUP/EXH block assembly mounting position
 • SUP/EXH block assembly specification
 • A/B port size (One-touch fitting)

Symbol	Stations	Symbol	Mounting position	Applicable stations	Symbol	Specification
02	2 stations	U	U side	2 to 10 stations	Nil	Standard/Internal pilot
:	:	D	D side		S*	Built-in silencer
20	20 stations	B	Both sides	2 to 20 stations		
		M*	Special specifications			

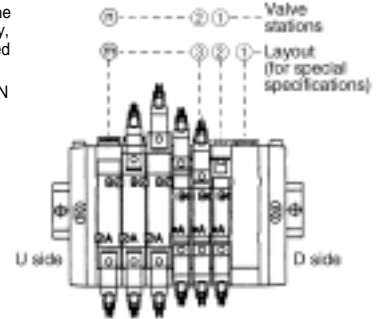
* Includes the number of blanking plate assemblies.
 * For special specifications, indicate in the station table below.
 Note 1) An asterisk (*) indicates order made products.
 Note 2) External pilot is not available for mixed mounting types.

Customer name		
Contact person		
Specification sheet no.		
Purchase order no.		
Equipment name		
Quantity	set(s)	Required date

Option

Note 1) When a DIN rail longer than the specified stations is necessary, indicate the number of required stations. (Max. 20 stations)
 Note 2) For the additional length, a DIN rail for SY5000 will be used.

(Maximum number of valves: 20 stations)



② Valve Type

Enter the symbols for required specifications as indicated below.

SY⁵₃*40

• Series
 • Type of actuation
 • (A) Rated voltage
 • (B) Electrical entry
 • (C) Indicator light/ Surge voltage suppressor
 • (D) Manual override

Series	Type of actuation	Rated voltage	Electrical entry	Indicator light/ Surge voltage suppressor	Manual override
5	1	5	G	Nil	Nil
3	2	6	H	S	D
	3	V	L	Z	E
	4	S	LN		
	5	R	LO		
		AC specifications (50/60Hz)	M		
		1	MN		
		2	MO		
		3			
		4			

Indicate in the station table below.

- [Notes]**
- Blanking plate assembly: SX5000-76-1A (For SY5000)
 - Blanking plate assembly: SX3000-75-1A (For SY3000)
 - SUP block disc: SX5000-77-1A
 - EXH block disc: SX5000-77-1A (2 pcs./location)
 - Individual SUP spacer assembly: SY5000-38-2A (For SY5000)
 - Individual EXH spacer assembly: SY5000-39-2A (For SY5000)
 - Individual SUP spacer assembly: SY3000-38-2A (For SY3000)
 - Individual EXH spacer assembly: SY3000-39-2A (For SY3000)
 - SUP/EXH block assembly (standard): SX5000-51-1A
 - SUP/EXH block assembly (S type): SX5000-51-4A
- Note) For mixed specifications, instead of a "O", enter C4 or C6 for SY3000 and C4, C6 or C8 for SY5000 in the (a) section of the station table below.

③ Stations

Indicate the layout of valves, etc., with a "O".

Stations or layout		20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	Quantity	
SY5000	2 position																						
	Double solenoid																						
	3 position	Closed center																					
		Exhaust center																					
		Pressure center																					
	3 port valves	N.C. single																					
		N.C. double																					
		N.O. single																					
		N.O. double																					
	Blanking plate assembly																						
SY3000	2 position																						
	Double solenoid																						
	3 position	Closed center																					
		Exhaust center																					
		Pressure center																					
	3 port valves	N.C. single																					
		N.C. double																					
		N.O. single																					
		N.O. double																					
	Blanking plate assembly																						
(b) Special specifications	SUP/EXH block assembly																						
(c)	SUP block disc																						
	EXH block disc (2 pcs./location)																						
(d) Options	Individual SUP spacer assembly																						
	Individual EXH spacer assembly																						

Enter ordered part numbers.

Part no.	Qty.	Part no.	Qty.	Order no.

Clerk (code no.)
Dept. code

Note 1) For special specifications of the SUP/EXH block assembly mounting position, list its part number and quantity with the manifold type.
 Note 2) Refer to pages 157 and 158 for 3 port valve part numbers.

SY⁵3000: With Connector Box

Mixed Mounting DIN Rail Manifold

Manifold Specification Sheet

Follow procedures ① through ③.

① Manifold Type

Enter the symbols for required specifications in the boxes below.

SS5Y5-M45

Specification

Symbol	Specification
A	With connector box (positive COM)
NA	With connector box (negative COM)

* The type of lead wire assemblies included is different.

Connector box mounting position

Symbol	Mounting position	Stations
02	U side	2 stations
20	D side	20 stations
U	U side	
D	D side	

Stations

Symbol	Mounting position	Applicable stations
U	U side	2 to 10 stations
D	D side	2 to 20 stations
B	Both sides	2 to 20 stations
M*	Special specifications	

* For special specifications, indicate in the station table below.

* Includes the number of blanking plate assemblies.

SUP/EXH block assembly mounting position

SUP/EXH block assembly specification

Symbol	Specification
Nil	Standard/Internal pilot
S*	Internal pilot/Built-in silencer

Note) An asterisk (*) indicates order made products.

Option

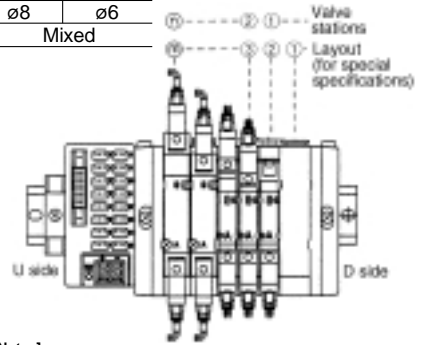
- Note 1) When a DIN rail longer than the specified stations is necessary, indicate the number of required stations. (Max. 20 stations)
- Note 2) For the additional length, a DIN rail for SY5000 will be used.

A/B port size (One-touch fitting)

Symbol	Applicable tube size	
	SY5000	SY3000
C44	ø4	ø4
C46	ø4	ø6
C64	ø6	ø4
C66	ø6	ø6
C84	ø8	ø4
C86	ø8	ø6
M	Mixed	

Note) For mixed specifications, instead of a "O", enter C4 or C6 for SY3000 and C4, C6 or C8 for SY5000 in the (a) section of the station table below.

(Maximum number of valves: 20 stations)



[Notes]

- Blanking plate assembly: SX5000-76-1A (For SY5000)
- Blanking plate assembly: SX3000-75-1A (For SY3000)
- SUP block disc: SX5000-77-1A
- EXH block disc: SX5000-77-1A (2 pcs./location)
- Individual SUP spacer assembly: SY5000-38-2A (For SY5000)
- Individual EXH spacer assembly: SY5000-39-2A (For SY5000)
- Individual SUP spacer assembly: SY3000-38-2A (For SY3000)
- Individual EXH spacer assembly: SY3000-39-2A (For SY3000)
- SUP/EXH block assembly (standard): SX5000-51-1A
- SUP/EXH block assembly (S type): SX5000-51-4A

② Valve Type

Enter the symbols for required specifications as indicated below.

SY⁵₃ * 40^R — 5 LO

Series

5	SY5000
3	SY3000

Rated voltage
24VDC

L type connector

Indicator light/
Surge voltage suppressor

Nil	Without indicator light/ surge voltage suppressor
S	With surge voltage suppresser
Z	With indicator light/ surge voltage suppressor
U	With indicator light/ surge voltage suppressor (non-polar)

Manual override

Nil	Non-locking push type
D	Push-turn locking slotted type
E	Push-turn locking lever type

Type of actuation

1	2 position single solenoid
2	2 position double solenoid
3	3 position closed center
4	3 position exhaust center
5	3 position pressure center

Indicate in the station table below.

③ Stations

Indicate the layout of valves, etc., with a "O".

Stations or layout		20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	Quantity	
0005S	2 position	Single solenoid																					
		Double solenoid																					
	3 position	Closed center																					
		Exhaust center																					
		Pressure center																					
	3 port valves	N.C. single																					
		N.C. double																					
		N.O. single																					
		N.O. double																					
	0003S	Blanking plate assembly																					
2 position		Single solenoid																					
		Double solenoid																					
3 position		Closed center																					
		Exhaust center																					
		Pressure center																					
3 port valves		N.C. single																					
		N.C. double																					
		N.O. single																					
		N.O. double																					
Blanking plate assembly																							
(b)	Special specifications	SUP/EXH block assembly																					
(c)	SUP block disc EXH block disc (2 pcs./location)																						
(d)	Options	Individual SUP spacer assembly																					
		Individual EXH spacer assembly																					

For SMC use only

Enter ordered part numbers.

Part no.	Qty.

Part no.	Qty.

Order no.	
Clerk (code no.)	
Dept. code	

Note 1) For special specifications of the SUP/EXH block assembly mounting position, list its part number and quantity with the manifold type.

Note 2) Refer to pages 157 and 158 for 3 port valve part numbers.

Features
Single valve
Type 20
Type 23
Type 20P
Type 23P
Single valve
Type 41
Type 42
Type 43
Type 41P
Type 42P
Type 43P
Type 45
Type 45-NA
Type 45
3 port valve
Air operated
Order made
Manifold Spec. sheets
Precautions