

Made to Order Specifications: Series SY3000/5000 Mixed Mounting

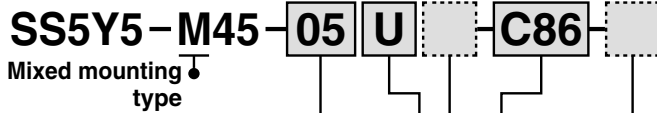
Type **M45**

Non plug-in

Use SY3000 together with SY5000, which has a large Cv and is mounted only in a place where it is needed, permits a selection of economic manifold bases.

How to Order Manifold

Type M45 (Mixed mounting type)



Valve stations

Symbol	Stations	SUP/EXH block assembly mounting position
02	2 stations	U
20	20 stations	D
		B
		M

The number of blanking plate ass'y is included, too.

* For special specifications, indicate separately on the manifold specification sheet.

SUP/EXH block assembly specifications

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

* External pilot is unavailable for mixed mounting style.

Option

When a longer DIN rail is desired than the specified stations, specify the station number to be required. (Max. 20 stations)

A, B port size

One-touch fitting (Metric size)

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

One-touch fitting (Inch size)

Symbol	Port size
N33	SY5000: One-touch fitting for ø ⁵ / ₃₂ " SY3000: One-touch fitting for ø ⁵ / ₃₂ "
N37	SY5000: One-touch fitting for ø ⁵ / ₃₂ " SY3000: One-touch fitting for ø ¹ / ₄ "
N73	SY5000: One-touch fitting for ø ¹ / ₄ " SY3000: One-touch fitting for ø ⁵ / ₃₂ "
N77	SY5000: One-touch fitting for ø ¹ / ₄ " SY3000: One-touch fitting for ø ¹ / ₄ "
N93	SY5000: One-touch fitting for ø ⁵ / ₁₆ " SY3000: One-touch fitting for ø ⁵ / ₃₂ "
N97	SY5000: One-touch fitting for ø ⁵ / ₁₆ " SY3000: One-touch fitting for ø ¹ / ₄ "
M	Mixed

* In the case of mixed specifications, indicate separately on the manifold specification sheet.

How to Order Valve Manifold Assembly

Ordering example

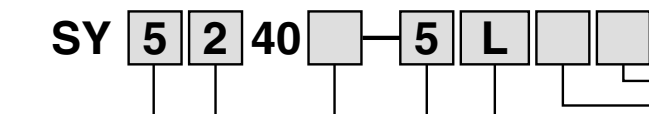
SS5Y5-M45-05U-C86 1 set (Type M45, manifold base part no.)
 * **SY3140-5G** 3 sets (Single solenoid part no.)
 * **SY5140-5G** 2 sets (Single solenoid part no.)

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

The valve arrangement is numbered as the 1st. station from D side regardless of the mounting position of SUP/EXH block assembly. In ordering, specify the part nos. in the order from the 1st. station on D side. Besides, when the arrangement will be complicated, fill out the manifold specification sheet to instruct us.

- SV
- SZ
- SY
- SYJ
- SX

How to Order Valves



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

Coil specifications

Nil	Standard
T	With power saving circuit (24 VDC, 12 VDC only)

* Power saving circuit is not available in the case of "D", "DO" or "W□" type.

Electrical entry for G, H, L, M, W

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

Manual override

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

* For AC voltage valves there is no "S" option. It is already built-in to the rectifier circuit.
 * For "R" and "U", DC voltage is only available.
 * Power saving circuit is only available in the "Z" type.

Rated voltage

DC		AC (50/60Hz)	
5	24 VDC	1	100 VAC
6	12 VDC	2	200 VAC
V	6 VDC	3	110 VAC [115 VAC]
S	5 VDC	4	220 VAC [230 VAC]
R	3 VDC		

Electrical entry

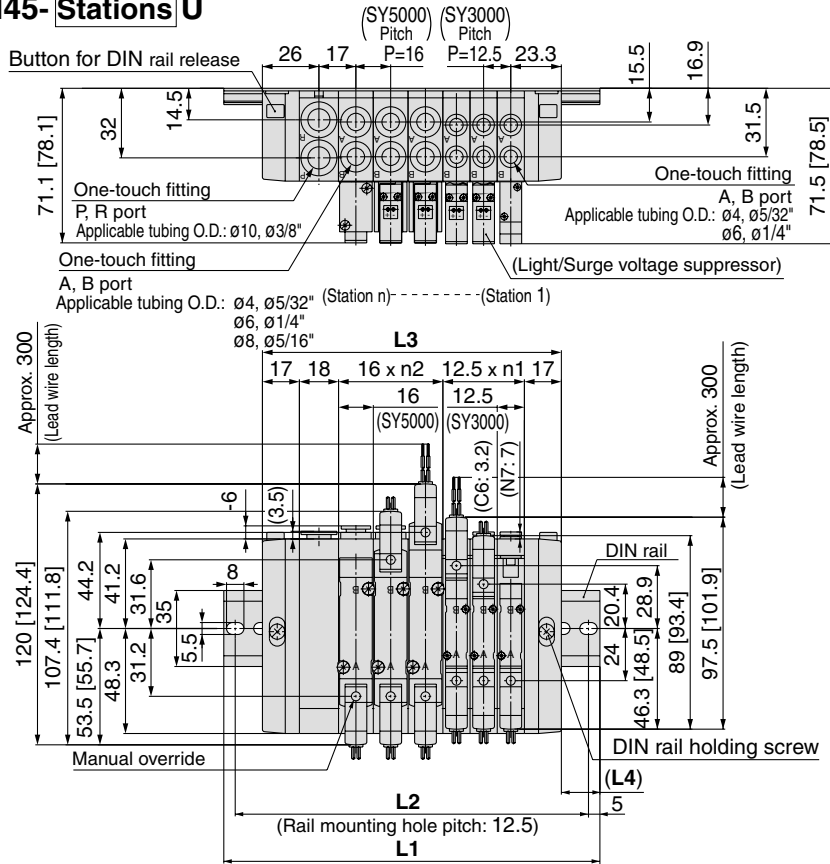
24, 12, 6, 5, 3 VDC/100, 110, 200, 220 VAC			24, 12, 6, 5, 3 VDC
Grommet	L plug connector	M plug connector	M8 connector
G: Lead wire length 300 mm	L: With lead wire (Length 300 mm)	M: With lead wire (Length 300 mm)	WO: Without connector cable
H: Lead wire length 600 mm	LN: Without lead wire	MN: Without lead wire	
	LO: Without connector	MO: Without connector	

* "LN", "MN" type: with 2 sockets.
 * For connector cable of M8 connector, refer to page 1-4-209.

* For type "W□", DC voltage is only available.

Dimensions: Mixed Mounting

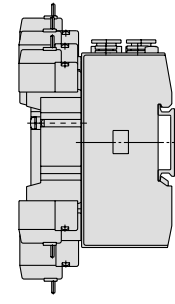
SS5Y5-M45- Stations U



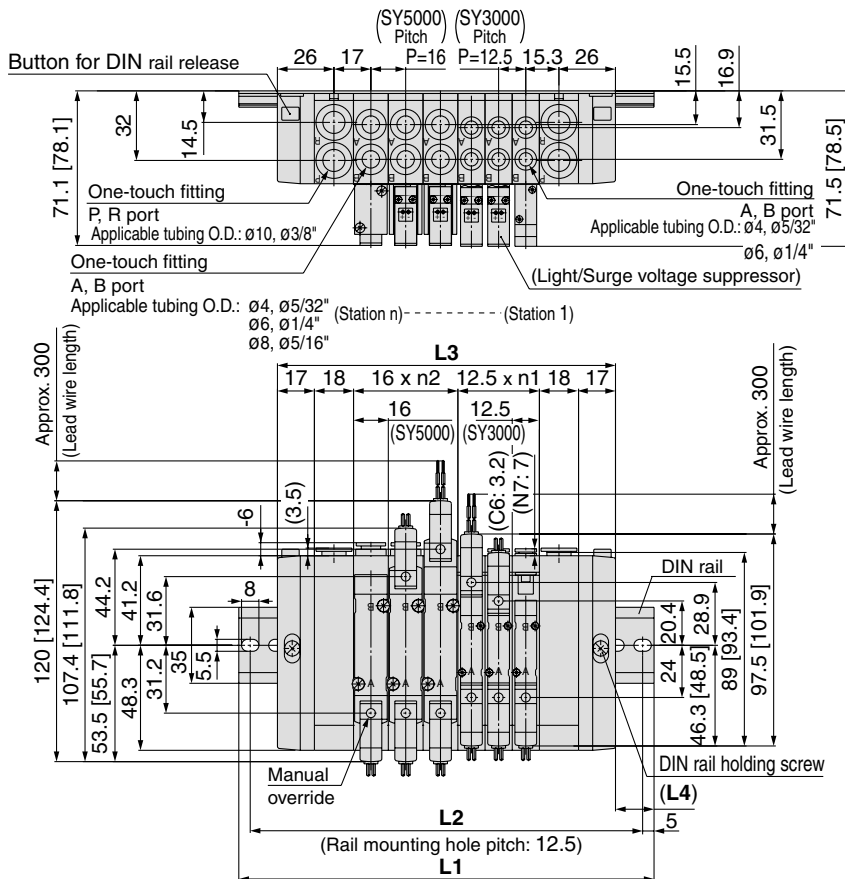
L dimension: Formulae for L1, L4
 $L3 = 12.5 \times n1 + 16 \times n2 + 52$
 $M = (\frac{L3}{12.5} + 1)$ Omit decimals
 $L1 = 12.5 \times M + 23$
 $L2 = L1 - 10.5$
 $L4 = (L1 - L3) / 2$

n1 = Number of SY3000
 n2 = Number of SY5000

Note) The L1 to L4 dimensions of **SS5Y5-M45- Stations D** are identical to those of **SS5Y5-M45- Stations U**.



SS5Y5-M45- Stations B



L dimension: Formulae for L1, L4
 $L3 = 12.5 \times n1 + 16 \times n2 + 70$
 $M = (\frac{L3}{12.5} + 1)$ Omit decimals
 $L1 = 12.5 \times M + 23$
 $L2 = L1 - 10.5$
 $L4 = (L1 - L3) / 2$

n1 = Number of SY3000
 n2 = Number of SY5000

