



[Option]

Note) AC-type models that are CE-compliant have DIN terminals only.

5 Port Solenoid Valve Body Ported/Single Unit

SY3000/5000/7000/9000 Series

How to Order

SY 5 1 20 - 5 L - 01 - - - -

Series

3	SY3000
5	SY5000
7	SY7000
9	SY9000

Type of actuation

1	2 position single (A) 4 2 (B)	
	(EA) 5 1 3 (EB) (P)	
2	2 position double (A) 4 2 (B)	
	(EA) 5 1 3 (EB) (P)	
3	3 position closed center (A) 4 2 (B)	
	(EA) 5 1 3 (EB) (P)	
4	3 position exhaust center (A) 4 2 (B)	
	(EA) 5 1 3 (EB) (P)	
5	3 position pressure center (A) 4 2 (B)	
	(EA) 5 1 3 (EB) (P)	

Note) For details about Symbol of the 3 position type of the SY9000 series, refer to page 407.

Coil specifications

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

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

For DC

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

Rated voltage

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

* DC specifications of type D, Y, DO and YO is only available with 12 and 24 VDC.
* For type W□, DC voltage is only available.
Note) AC-type models that are CE-compliant have DIN terminals only.

Electrical entry

24, 12, 6, 5, 3 VDC/100, 110, 200, 220 VAC		24, 12 VDC/100, 110, 200, 220 VAC		24, 12 VDC/100, 110, 200, 220 VAC	
Grommet	L plug connector	M plug connector	MN plug connector	D, Y. With connector	DIN terminal
G: Lead wire (Length 300 mm)	L: With lead wire (Length 300 mm)	M: With lead wire (Length 300 mm)	MN: Without lead wire	D, Y. With connector	
H: Lead wire length 600 mm	LN: Without lead wire	LO: Without connector	MO: Without connector	DO, YO: Without connector	
CE-compliant	DC	AC	DC	AC	DC
	●	●	●	●	●

24, 12 VDC 6, 5, 3 VDC	* LN, MN type: with 2 sockets.
M8 connector	* For DIN terminal of SY3000 series, refer to page 639.
W□: Without connector cable	* "Y" type is a DIN terminal conforming to EN-175301-803C (former DIN43650C). For details, refer to page 638.
	* For connector cable of M8 connector, refer to page 641.
W□: With connector cable	* M8 connector conforming to IEC60947-5-2 standard is also available. Refer to page 623 for details.
	* Refer to page 638 for the lead wire length of L and M plug connectors.
	* Refer to page 639 for the connector assembly with cover for L and M plug connectors.

Note) Enter the cable length symbols in □. Please be sure to fill in the blank referring to page 642.

A, B port size

Thread piping

Symbol	Port size	Applicable series
M5	M5 x 0.8	SY3000
01	1/8	SY5000
02	1/4	SY7000
02	1/4	SY9000
03	3/8	SY9000

One-touch fitting (Metric size)

Symbol	Port size	Applicable series
C4	One-touch fitting for ø4	SY3000
C6	One-touch fitting for ø6	SY3000
C4	One-touch fitting for ø4	SY5000
C6	One-touch fitting for ø6	SY5000
C8	One-touch fitting for ø8	SY5000
C8	One-touch fitting for ø8	SY7000
C10	One-touch fitting for ø10	SY7000
C8	One-touch fitting for ø8	SY9000
C10	One-touch fitting for ø10	SY9000
C12	One-touch fitting for ø12	SY9000

One-touch fitting (Inch size)

Symbol	Port size	Applicable series
N3	One-touch fitting for ø 3/32"	SY3000
N7	One-touch fitting for ø 1/4"	SY3000
N3	One-touch fitting for ø 3/32"	SY5000
N7	One-touch fitting for ø 1/4"	SY5000
N9	One-touch fitting for ø 9/16"	SY5000
N9	One-touch fitting for ø 9/16"	SY7000
N11	One-touch fitting for ø 3/8"	SY7000
N9	One-touch fitting for ø 9/16"	SY9000
N11	One-touch fitting for ø 3/8"	SY9000

Manual override

Nil: Non-locking push type



D: Push-turn locking slotted type

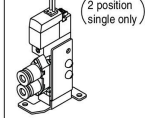


E: Push-turn locking lever type

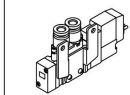


Bracket

Nil: Without bracket
F1: With foot bracket (2 position single only)



F2: With side bracket



* SY9000 has no bracket.

Thread type

Nil	Rc
F	G
N	NPT
T	NPTF

* Except for M5

Made to Order

Nil	—
X20	Body ported external pilot (Refer to page 624)
X90	Main valve fluoro rubber (Refer to page 624)

CE-compliant

Nil	—
G	CE-compliant

Note) AC-type models that are CE-compliant have DIN terminals only.

Light/Surge voltage suppressor

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)

Electrical entry for D, Y

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

* DOZ and YOZ are not available.
* For AC voltage valves there is no "S" option. It is already built-in to the rectifier circuit.

Note) When placing an order for body ported solenoid valve as a single unit, mounting screw for manifold and gasket are not attached. Order them separately, if necessary. (For details, refer to page 467.)

