

How to Order Valve

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

SY 3 1 60 - **5 L** - **C6** - - -

Series

3	SY3000
5	SY5000
7	SY7000

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)	

Coil specifications

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

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

Rated voltage

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

For AC (50/60Hz)	
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.
 * D, Y, DO and YO only available for SY5000, SY7000.
 * For type W□, DC voltage is only available.
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A, B port size Thread piping

Symbol	Port size	Applicable series
M5	M5 x 0.8	SY3000
O1	1/8	SY5000
O2	1/4	SY7000

Thread type

Nil	Rc
F	G
N	NPT
T	NPTF

* Except for M5

One-touch fitting (Metric size)

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

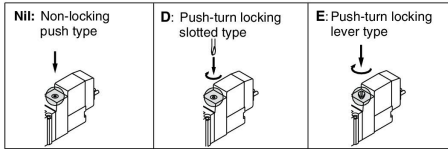
One-touch fitting (Inch size)

Symbol	Port size	Applicable series
N3	One-touch fitting for ø5/32"	SY3000
N7	One-touch fitting for ø1/4"	
N3	One-touch fitting for ø5/32"	SY5000
N7	One-touch fitting for ø1/4"	
N9	One-touch fitting for ø5/16"	SY7000
N9	One-touch fitting for ø5/16"	
N11	One-touch fitting for ø3/8"	

Made to Order

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

Manual override



CE-compliant

Nil	—
Q	CE-compliant

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Light/Surge voltage suppressor

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

Nil	Without light/surge voltage suppressor
S	With light/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, (SY500/7000 only)

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.
 * 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.

Electrical entry

	24, 12, 6, 5, 3 VDC/100, 110, 200, 220 VAC				24, 12 VDC/ 100, 110, 200, 220 VAC	24, 12, 6, 5, 3 VDC
	L plug connector		M plug connector		DIN terminal	M8 connector
G: Lead wire length 300 mm		L: With lead wire (Length 300 mm)		M: With lead wire (Length 300 mm)		MN: Without lead wire
H: Lead wire length 600 mm		LN: Without lead wire		LO: Without connector		MO: Without connector
		DO, YO: Without connector				W□: With connector cable (Note 2)
Manifold mounting	SY3000	●	SY5000	●	— (Note 1)	●
	SY7000	●		●		●
CE-compliant	DC	●	AC	—		●

Note 1) The DIN terminal of the SY3000 series cannot be mounted on a standard manifold. For details, refer to page 639.
 Note 2) Enter the cable length symbols in □. Please be sure to fill in the blank referring to page 642.
 Note 3) When ordering single unit of the cassette type solenoid valve, the bushing assembly is included.
 * LN, MN type: with 2 sockets.
 * "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.
 * 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.