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Find the *SMC SY5120-5LZ-C6* at our website: *Click HERE*

How to Order Valve

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

Pilot type

Nil	Internal pilot
R	External pilot

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, 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 (50/60 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.
∗ D, Y, DO and YO only available for SY5000.

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)

∗ 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.

Electrical entry for D, Y (SY5000 only)

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

Made to Order

Nil	—
X90	Main valve fluoro rubber (Refer to page 332.)

CE-compliant

Nil	—
Q	CE-compliant

∗ For DC only except DIN terminal.

Manual override

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

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
Grommet	L plug connector	M plug connector	DIN terminal	M8 connector
G: Lead wire length 300 mm **H:** Lead wire length 600 mm	**L:** With lead wire (Length 300 mm) **LN:** Without lead wire **LO:** Without connector	**M:** With lead wire (Length 300 mm) **MN:** Without lead wire **MO:** Without connector	**(SY5000 only)** **D:** With connector **DO:** Without connector **Y:** With connector **YO:** Without connector	**WO:** Without connector cable **W□:** With connector cable Note)

∗ LN, MN type: with 2 sockets.
∗ D, Y, DO and YO only available for SY5000.
∗ "Y" type is a DIN terminal conforming to EN-175301-803C (former DIN43650C). Refer to page 336 for details.
∗ Setting "-5LOU" is available only for connector box type.
∗ Refer to page 339 for connector cable of M8 connector.
∗ M8 connector conforming to IEC60947-5-2 standard is also available. Refer to page 331 for details.
∗ Refer to page 336 for the lead wire length of L and M plug connectors.
∗ Refer to page 337 for the connector assembly with cover for L and M plug connectors.

Note) Enter the cable length symbol in □. Please consult for the lead wire length of 10 m or more. Refer to page 340.

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