

Manifold Valve Series SQ2000

SUP·EXH port with top piping

SMC CORPORATION

1-16-4 Shimbashi, Minato-ku
Tokyo 105-0004, JAPAN

SS5Q23-*SDC-DK*-X52

URL: <http://www.smcworld.com>

Application: Ideal for centralizing piping upper direction

Space-saving when placing manifolds in parallel.

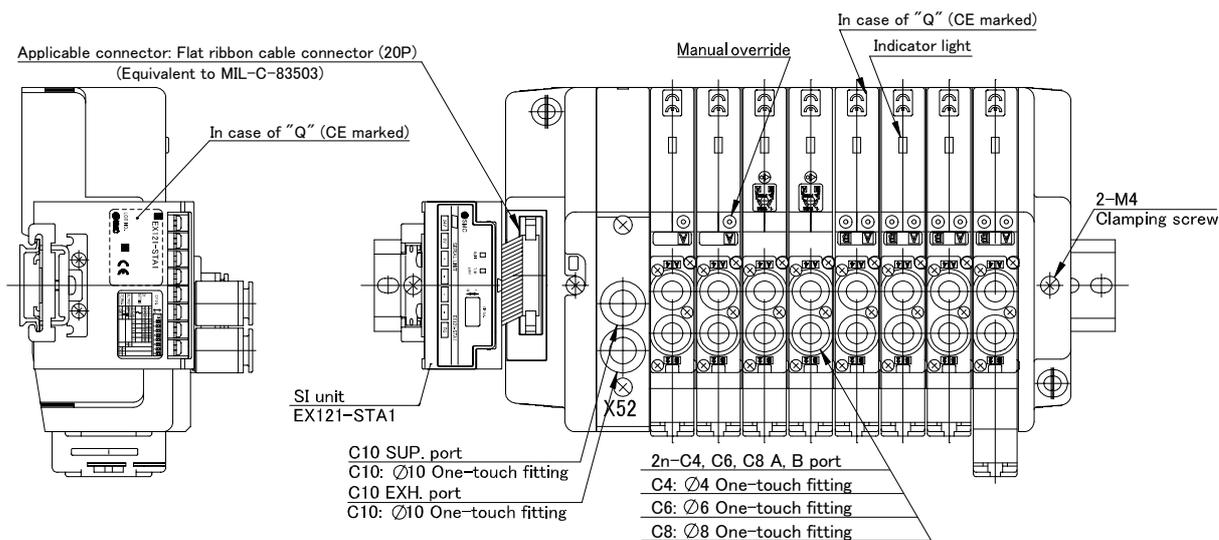
Feature 1: SUP·EXH port with top piping

Centralized piping is possible on the top surface.

SUP·EXH port is applicable only for side-ported in the standard products from SQ series.

Feature 2: Choice for CE marked

Applicable by adding “-Q” in the end of part number.



Difference to standard products:

Please refer to Feature 1 shown above.

SI unit is applicable to OMRON SYSBUS system (SI unit part number: EX121-STA1).

Specifications

Same as the series SQ 2000

Please refer to series SQ 2000 in our “Best Pneumatics” (general catalog) for detailed information.

How to Order

Manifold part number

SS5Q23-04 SDC-DK -X52-

Number of stations (*1)

01	1 Station
:	:
16	16 Stations

CE marked

Nil	Not applicable
Q	CE marked type

DIN rail mounting type + option number

Please refer to manifold part numbers of SQ2000 plug-in type in our "Best Pneumatics" (general catalog) for detailed information on options.

OMRON SYSBUS system
(SI unit part number: EX121-STA1)

Valve part number

SQ2 1 3 0 - 5 - L4 -

CE marked

Nil	Not applicable
Q	CE marked type

Cylinder port size

L4	Top	Ø4 One-touch fitting
L6	piping	Ø6 One-touch fitting
L8		Ø8 One-touch fitting

Coil voltage

5	24VDC
6	12VDC

Note: This product has a built-in light/surge voltage suppressor.

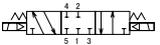
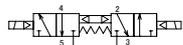
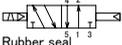
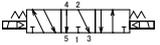
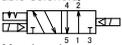
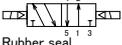
Function type

Nil	Standard
D (*1)	2-position double (Double solenoid)

Type of seal

0	Metal seal
1	Rubber seal

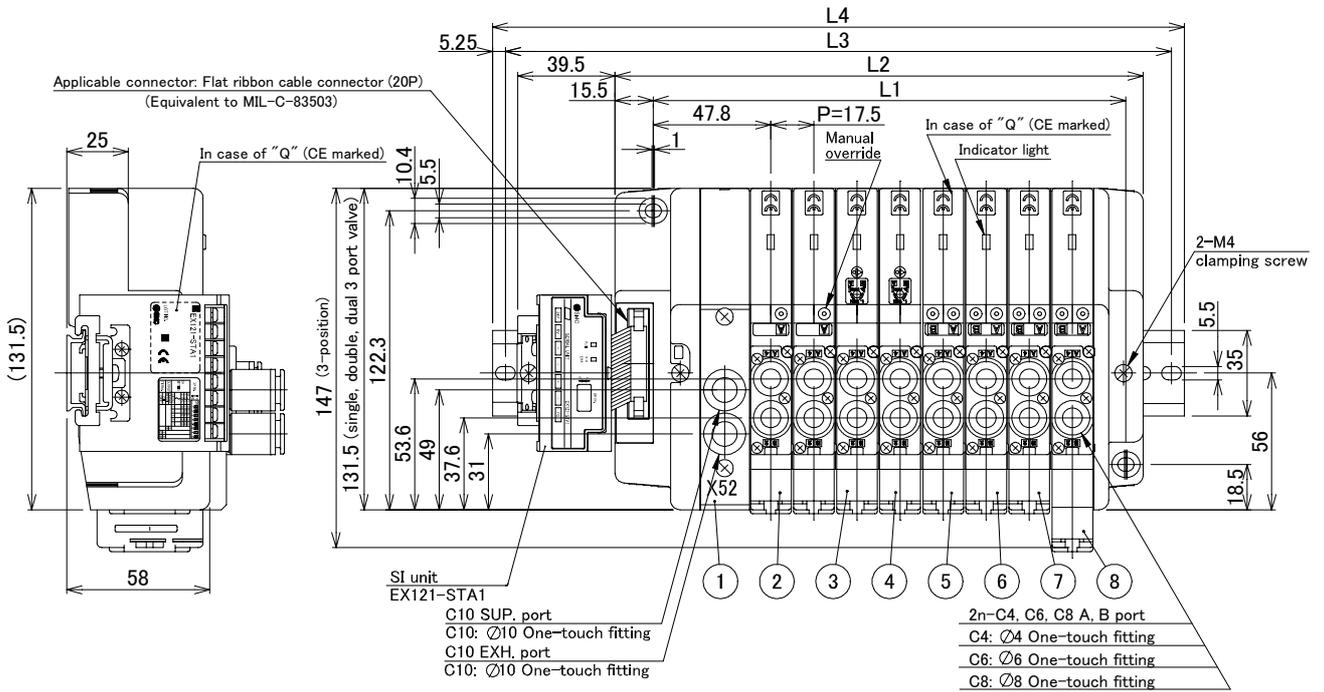
Type of actuation

1	2-position single 	3-position closed center 	A	4-position dual 3 port valve  N.C. N.C. (*2)
	2	2-position double (latching) Metal seal  Rubber seal 		3-position exhaust center 
2		2-position double (double solenoid) Metal seal  Rubber seal 	3-position pressure center 	C

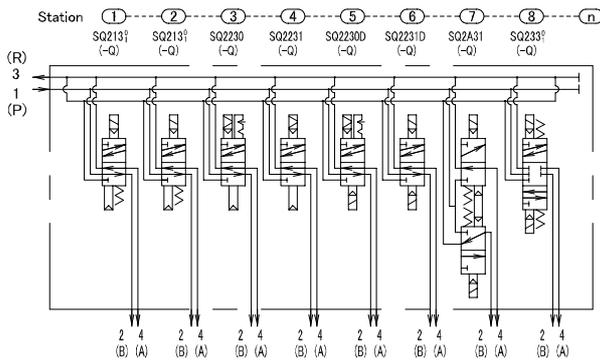
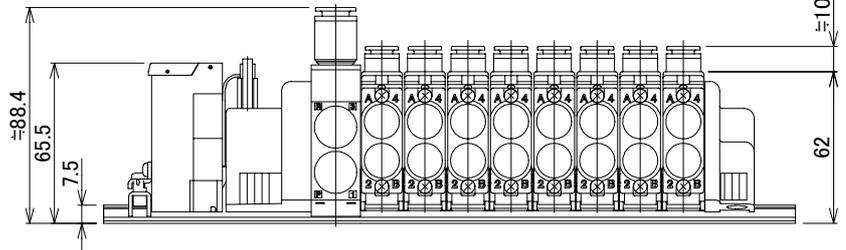
*1) Function type for double solenoid specification is "D".

*2) Only rubber seal type is applicable.

Dimensions: mm



D side Station ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ n U side



Pneumatic circuit

Number	Model no.	Device name	Number	Remark
1	SS5Q23-#SDC-DK#-X52(-Q)	Manifold	1 set	
2	SQ213 ¹ -#L*(-Q)	Pilot operated solenoid valve	n1 set	Single type
3	SQ2230-#L*(-Q)	Pilot operated solenoid valve	n2 set	Double (latching) type
4	SQ2231-#L*(-Q)	Pilot operated solenoid valve	n3 set	Double (latching) type
5	SQ2230D-#L*(-Q)	Pilot operated solenoid valve	n4 set	Double (solenoid) type
6	SQ2231D-#L*(-Q)	Pilot operated solenoid valve	n5 set	Double (solenoid) type
7	SQ2131-#L*(-Q)	Pilot operated solenoid valve	n6 set	Dual 3-port valve
8	SQ213 ¹ -#L*(-Q)	Pilot operated solenoid valve	n7 set	3-position type

(Refer to the table of dimensions on the following page)

Dimensions unit: mm (n: Number of stations)

	n															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L1	69.5	87	104.5	122	139.5	157	174.5	192	209.5	227	244.5	262	279.5	297	314.5	332
L2	92	109.5	127	144.5	162	179.5	197	214.5	232	249.5	267	284.5	302	319.5	337	354.5
L3	162.5	175	187.5	212.5	225	250	262.5	275	300	312.5	337.5	350	362.5	387.5	400	412.5
L4	173	185.5	198	223	235.5	260.5	273	285.5	310.5	323	348	360.5	373	398	410.5	423

Electrical wiring specifications (Ex: In case of layout with dimensions shown above)

Stations	Solenoid valve		Serial output number	Single wiring	Double wiring
	Stations	Solenoid			
8		B	13	—	○
		A	12		
7		B	11	—	○
		A	10		
6		B	9	—	○
		A	8		
5		B	7	—	○
		A	6		
4		B	5	—	○
		A	4		
3		B	3	—	○
		A	2		
2		A	1	○	—
1		A	0	○	—

Special specifications

- 1) SI unit specification is following.
(OMRON: applicable to SYSBUS system, SI unit part number: EX121-STA1)
- 2) Choice between standard products and CE marked (EC Directives, Compatible Products)
(In order to choose CE marked, please add “-Q” at the end of part number for both manifolds and valves.)
【Ex.】 SS5Q23-06-SDC-D-X52-Q
- 3) PR port with top piping specification (SUP/EXH block part number: SSQ2000-PR-3-L10-X1)
- 4) Top piping valve is loaded.

Note 1: As manifold part number (SS5Q23-*SDC-DK*-X52) does not include both loaded valves and options, please list part numbers for them in addition to the number for manifold.

(Ex.) SS5Q23-04SDC-DK-X52-Q
 *SQ2130-5-L4-Q -- 2 sets
 *SQ2230-5-L4-Q -- 2 sets

Note 2: Double wiring is the standard for 8 stations or less. Please indicate the wiring specification on a manifold specification sheet when special wiring for more than 9 stations or less than 8 is needed.

 Caution To ensure the safest possible operation of this product, please be sure to read thoroughly the “Safety Instructions” in our “Best Pneumatics” (general catalog) before use.
