

# Series SZ3000 Manifold Valve Plug-in Type

Connector mounting position of U side

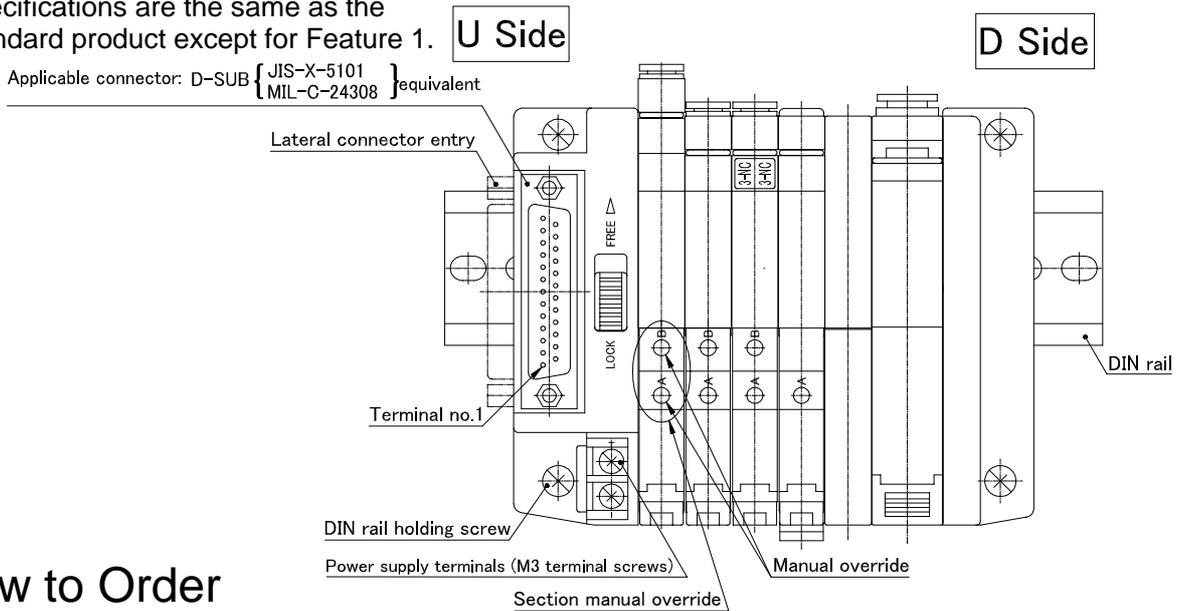
## SS5Z3-60FU-X50

SMC CORPORATION  
1-16-4 Shimbashi, Minato-ku  
Tokyo 105-0004, JAPAN  
URL: <http://www.smcworld.com>

### Feature 1: Connector mounting position of U side

Comparison with Standard Product:

- Specifications are the same as the standard product except for Feature 1.



### How to Order

Supplement: If connector mounting position of U side (Including serial transmission system) is required for other model numbers, consult with your SMC sales representative.

Plug-in manifold with power supply terminals

**SS5Z3-60 F U 1 - 05 D - P - X50**

Connector type  
F D-Sub connector (25 pins)

Connector mounting position  
U U side

Connector entry direction  
1 Perpendicular connector  
2 Lateral connector

Power supply terminal specifications

P	24VDC (Positive common)
P12	12VDC (Positive common)

Match with voltage specification of solenoid valve.

Supply/Exhaust block mounting position

D	D Side (2 to 10 stations)
U	U Side (2 to 10 stations)
B	Both sides (2 to 10 stations)

Valve stations

02	2 Stations	Double wiring specification
:	:	
10	10 Stations	Specified layout
02	2 Stations	
:	:	
20	20 Stations	

(See the next page for How to Order of solenoid valve.)

# How to Order

## Solenoid valves (With light/surge voltage suppressor)

SZ3 1 60 - 5 LOZ - C4

Type of actuation

1	2 position single solenoid
2	2 position double solenoid
3	3 position closed center
4	3 position exhaust center
5	3 position pressure center

Back pressure check valve (\*1, \*2)

Nil	Without
K	Built-in

Rated voltage

5	24VDC
6	12VDC

A, B port size

C4	Ø4 One-touch fitting
C6	Ø6 One-touch fitting
M5	M5 × 0.8

Manual override

Nil	Non-locking push type
D	Slotted locking type Screw driver operated

Switch specifications(Refer to note 5)

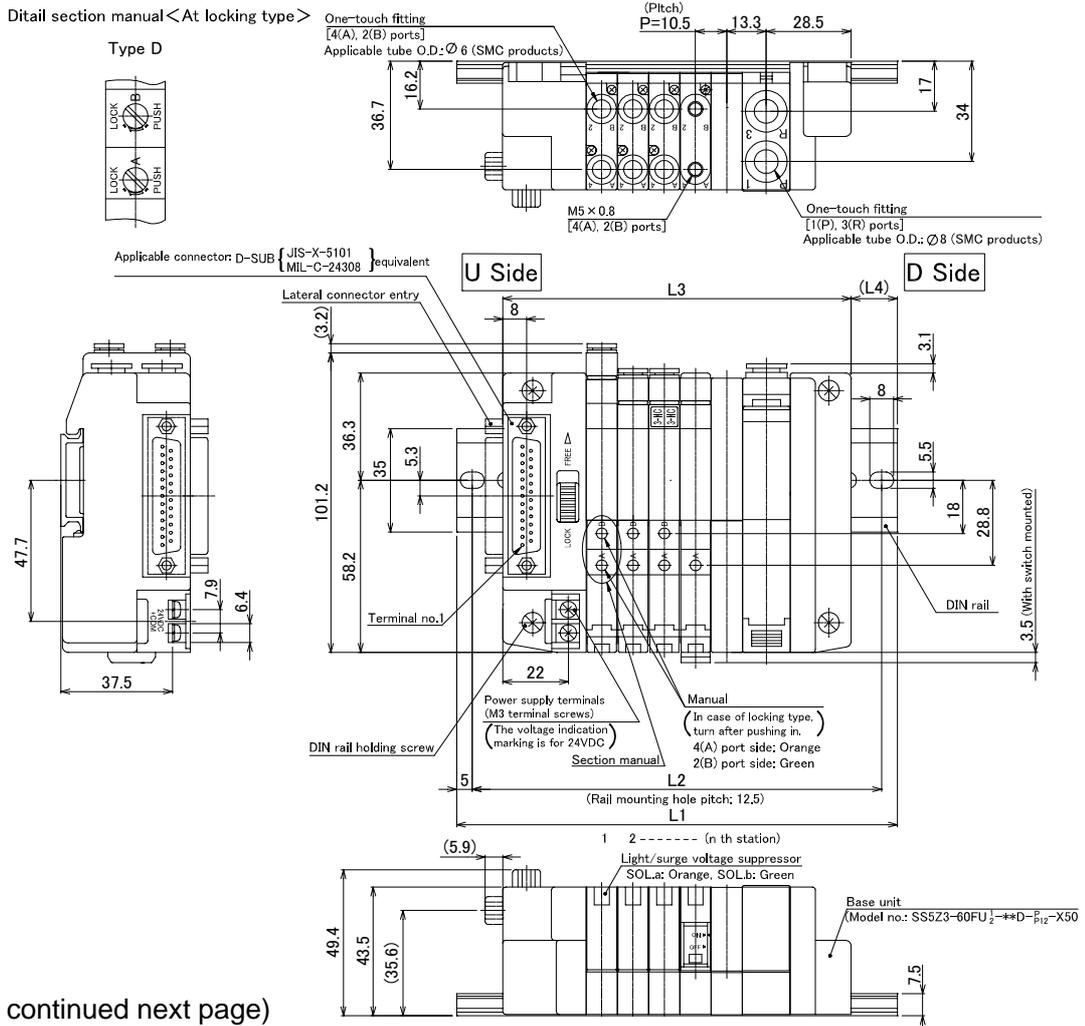
Nil	Without switch
J	With switch

\*1) The built-in back pressure check valve type has an effective area approximately 20% smaller.

\*2) For the 3 position closed center and 3 position pressure center, back pressure check valve is not available.

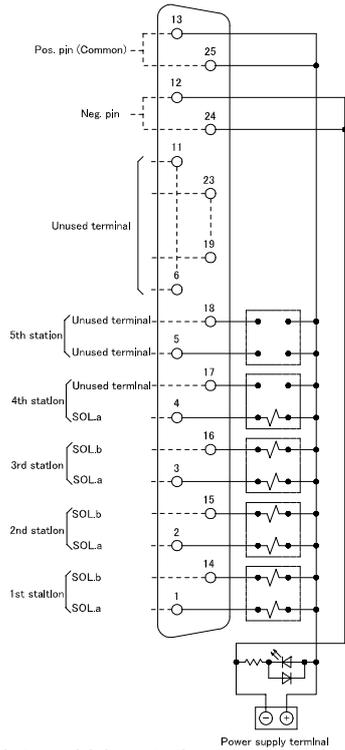
## Dimensions: mm

The dimensions shown here are for the model whose SUP/EXH block mounting position is "D".  
For dimensions of other models, please contact your SMC sales representative.

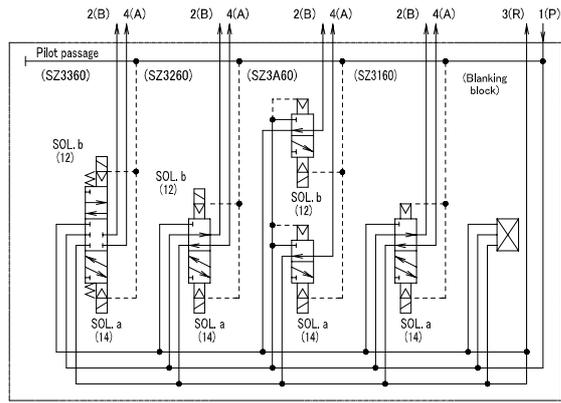


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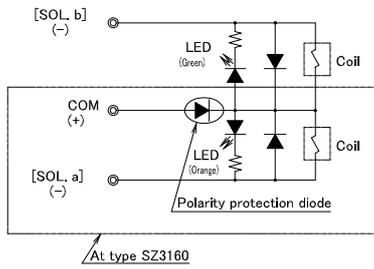
Connector schematics (At this schematics)  
(Light/surge voltage suppressor is not shown.)



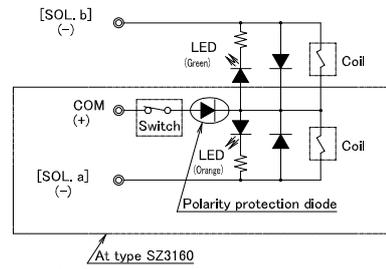
Pneumatic circuit (At this circuit)



Light/surge voltage suppressor



Light/surge voltage suppressor  
(With switch)



Note 1: Valve stations are numbered from station 1 on the D-sub connector side.

Note 2: When power is supplied to power terminal, apply the voltage same as the rated voltage of solenoid valve.

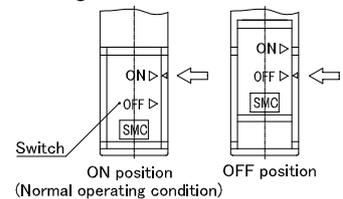
Note 3: This shows the dimensions of "SS5Z3-60FU1-05D-P\*\*-X50". Please consult with our SMC sales representative regarding the number of stations (specified layout), model numbers, and dimensions of other models.

Note 4: This manifold is positive common (+COM) specifications. Avoid using wrong polarity, as it may stall operation.

Note 5: For switch operation, slide the switch and match with the triangle mark to change ON and OFF.

ON position: Normal operating state. The valve coil switches by electrical signal from the connector.

OFF position: The valve coil remains non-energized state even if the connector gives signal.

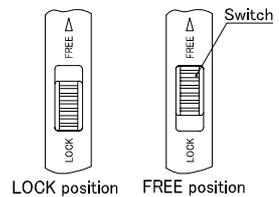


Reference drawing

Note 6: The connector entry direction can be changed from top to side by switching the switch mounted to the top of manifold. (It can not stop in midstream.)

FREE position: Connector can rotate freely.

LOCK position: Connector is fixed.



Reference drawing  
n: Stations

L: Dimensions: mm

L \ n	2	3	4	5	6	7	8	9	10
L1	110.5	123	135.5	148	160.5	173	173	185.5	198
L2	100	112.5	125	137.5	150	162.5	162.5	175	187.5
L3	85.5	96	106.5	117	127.5	138	148.5	159	169.5
L4	12.5	13.5	14.5	15.5	16.5	17.5	12.5	13.5	14.5
**	02	03	04	05	06	07	08	09	10



**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.