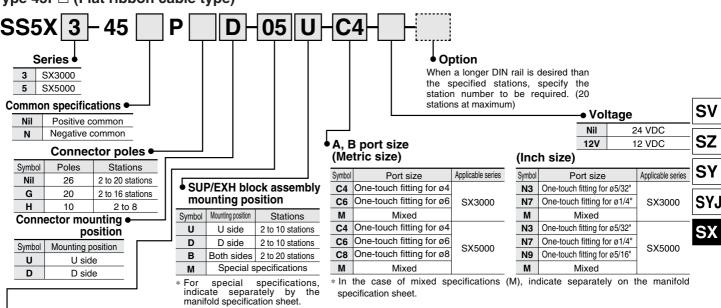
### **How to Order Manifold**





### Valve stations (Blanking plate assemblies are included.)

### 26 pins (P) connector

Symbol	Stations	Note			
02	2 stations	Double wiring <sup>(1)</sup>			
:	:	specifications			
10	10 stations				
02	2 stations	A !: 1.1			
÷	:	Applicable up to 20 <sup>(2)</sup> solenoids.			
20	20 stations	Soleliolus.			

#### 20 pins (PG) connector Symbol Stations

Cymbol	Otationo	11010
02	2 stations	Double wiring <sup>(1)</sup>
÷	:	specifications
08	8 stations	
02	2 stations	(2)
:	:	Applicable up to 16 solenoids.
16	16 stations	soleliolus.

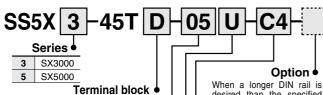
### 10 pins (PH) connector

Symbol	Stations	Note
02	2 stations	Double wiring <sup>(1)</sup>
:	:	specifications
04	4 stations	
02	2 stations	A !: 1.1 (2)
÷	:	Applicable up to 8 <sup>(2)</sup> solenoids.
08	8 stations	Soleliolus.

Note 1) Double wiring specifications: Single, double and 3 position solenoid valves can be used on all manifold stations

Note 2) Specified layout: Indicate wiring specifications on the manifold specification sheet. (Note that double and 3 position valves cannot be used where single solenoid wiring has been

### Type 45T (9 pins terminal block type)



mounting position Symbol Mounting position U side D side

### Valve stations

2 to 8

2 to 8

Symbol	Stations	Note
02	2 stations	Double wiring <sup>(1)</sup>
:	:	specifications
04	4 stations	
02	2 stations	A 1: 1-1
:	:	Applicable up to 8 <sup>(2)</sup> solenoids.
08	8 stations	Joiotiolas.

0 1 1 01 1

#### This also includes the number of blanking plate assemblies.

mounting position					
Symbol	Mounting position	Stations			
ш	I I side	2 to 8			

For special specifications, indicate separately by the manifold manifold specification sheet

Special specifications

D side

Both sides

When a longer DIN rail is desired than the specified stations, specify the station number to be required. (20 stations maximum)

#### A, B port size (Metric size)

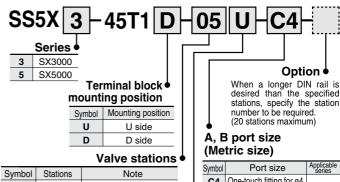
S	ymbol	Port size	Applicable series
C4		One-touch fitting for ø4	
	C6	One-touch fitting for ø6	SX3000
М		Mixed	
	C4	One-touch fitting for ø4	
	C6	One-touch fitting for ø6	
C8		One-touch fitting for ø8	SX5000
	М	Mixed	

### (Inch size)

l	Symbol	Port size	Applicable series
	N3	N3 One-touch fitting for ø5/32"	
	N7	One-touch fitting for ø1/4"	SX3000
	M	Mixed	
	N3 One-touch fitting for ø5/		
	N7	One-touch fitting for ø1/4"	SX5000
	N9	One-touch fitting for ø5/16"	3/3000
	М	Mixed	

\* In the case of mixed specifications (M), indicate separately on the manifold specification sheet.

### Type 45T1 (18 pins terminal block type)



Symbol	Stations	Note				
02	2 stations	D 11 (1)				
÷	:	Double wiring (1) specifications				
08	8 stations					
02	2 stations	A 1: 11 1 1 (2)				
:	:	Applicable up to 17 (2) solenoids.				
17	17	Sololiolas.				

 This also includes the number of blanking plate assemblies.

#### SUP/EXH block assembly • mounting position

	<b>J</b> 1				
Symbol	Mounting position	Stations			
U	U side	2 to 10 stations			
D	D side	2 to 10 stations			
В	Both sides	2 to 17			
М	Special specifications				

\* For special specifications indicate separately by the manifold specification sheet

specified.).

### (20 stations maximum) A, B port size

Symbol	Port size	Appliçable series				
C4	One-touch fitting for ø4					
C6	One-touch fitting for ø6	SX3000				
M	Mixed					
C4	One-touch fitting for ø4					
C6	One-touch fitting for ø6	0,45000				
C8	One-touch fitting for ø8	SX5000				
М	Mixed					

Option •

### (Inch size)

Symbol	Port size	Applicable series
N3	One-touch fitting for ø5/32"	SX3000
N7	One-touch fitting for ø1/4"	
М	Mixed	
N3	One-touch fitting for ø5/32"	
N7	One-touch fitting for ø1/4"	SX5000
N9	One-touch fitting for ø5/16"	5,5000
М	Mixed	

\* In the case of mixed specifications (M), indicate separately on the manifold specification sheet.



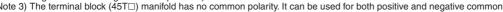
D

В

Note 1) Double wiring specifications: Single, double and 3 position solenoid valves can be used on all manifold stations.

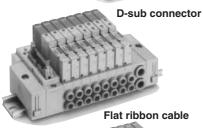
Note 2) Specified layout: Indicate wiring specifications on the manifold specification sheet. (Note that double and 3 position valves cannot be used where single solenoid wiring has been specified.)

Note 3) The terminal block (45T□) manifold has no common polarity. It can be used for both positive and negative common.











**Terminal block** 

### **Manifold Specifications**

Model		D-sub connector	Flat ribb	on cable ty	/pe 45P□	Terminal block		Flat ribbon cable PC wiring system compatible	
		Type 45F	Type 45P	Type 45PG	Type 45PH	Type 45T	Type 45T1	Type 45G	
Manifold				Plug-in type					
P(SUP), R(	EXH)				Common	SUP/Com	mon EXH		
Valve statio	ns Note)		2 to 20	2 to 20 stations 2 to 16 stations 2 to 8 stations 2 to 17 stations 2 to 16 stations					
A, B porting		Location				Base			
specification	ns	Direction				Side			
	D D nort	SX3000			C8 (One	-touch fittir	ng for ø8)		
Port size	P, R port	SX5000			C10 (One	-touch fittir	ng for ø10)		
1 011 3126	A, B port	SX3000				r ø4)/C6 (0			
	A, D poit	SX5000	C4 (One-to	uch fitting for	ø4)/C6 (One	e-touch fitting	for ø6)/C8	One-touch f	itting for ø8)
Connector		D-sub connector: Conforms to MIL-C- 24308	with strain relief; Conforming to	socket: 20 pins MIL with strain relief;	Flat ribbon cable connector socket: 10 pins MIL with strain relief; Conforming to MIL-C-83503	Terminal block (M3) 9 pins	Terminal block (M3) 18 pins	Flat ribbon cable connector socket: 20 pins MIL with strain relief; Conforming to MIL-C-83503	
Internal wiring			+COM (T	ype 45□), ·	-СОМ (Тур	e 45N□)	In commo +COM ar	n between nd –COM.	+ COM
Manifold bas weight W (g)	-	SX3000				ions: W = 2 ations: W =			
n: Stations (D-sub conne	ector)	SX5000		2 to 10 stations: W = 54n + 227 11 to 20 stations: W = 54n + 264					



Note) There is a limit to the number of stations available depending on the number of solenoids required. Please refer to the "How to Order". For more than 10 stations, supply pressure through the "P" ports at both ends of the manifold exhaust through both ends as well.

### Flow Characteristics

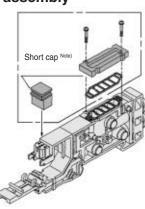
1 low Orlandeteristics								
	Port size		Flow characteristics					
			$1 \rightarrow 4/2 \ (P \rightarrow A/B)$		$4/2 \rightarrow 5/3 \text{ (A/B} \rightarrow \text{EA/EB)}$			
Model	1, 5, 3 (P, EA, EB)	4, 2 (A, B)	C [dm³/ (s·bar)]	b	Cv	C [dm³/ (s·bar)]	b	Cv
SS5X3-45I	C8	C6	0.88	0.21	0.22	0.95	0.18	0.22
SS5X5-45I	C10	C8	2.2	0.24	0.53	2.5	0.18	0.58



Note) The value is for manifold base with 5 stations and individually operated 2 position type.

### **Manifold Option**

### ■ Blanking plate assembly



Series	Assembly part no.
SX3000	SX3000-75-2A
SX5000	SX5000-76-2A
Note)	When mounting blank

ing plate, be sure to mount a short cap.

### ■ SUP block disk

By installing a SUP block disk in the pressure supply passage of a manifold valve, it is possible to supply two or more high and pressures to one manifold.



Series	Part no.
SX3000	SX3000-77-1A
SX5000	SX5000-77-1A

■ EXH block disk
By installing an EXH block disk
in the exhaust passage of a
manifold valve, it is possible to divide the valve's exhaust so that it does not affect another valve. (Two block disks are needed to divide both divide exhausts.)



Series	Part no.
SX3000	SX3000-77-1A
SX5000	SX5000-77-1A

#### ■ Label for block disk

The labels shown below are used on manifold stations containing SUP/EXH block disk(s) to show their location. (3 pcs. each)

### VZ3000-123-1A (In common between SX3000 and 5000)

Label for SUP block disk





Label for SUP/EXH block disk SV

SZ

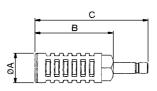
SYJ





Note) When a block disk is concurrently ordered by specifying on the manifold specification sheet, etc., a label will be stuck on the position where block disk is mounted.

■ Silencer with One-touch fitting
This silencer can be mounted on the manifold's port R (exhaust) with a single touch.

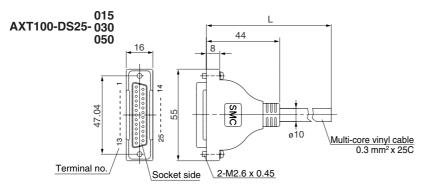


Series	Model	Effective area	Α	В	С
SX3000 (ø8)	AN203-KM8	14 mm <sup>2</sup>	16	26	51
<b>SX5000</b> (ø10)	AN200-KM10	26 mm <sup>2</sup>	22	53.8	80.8
	AN300-KM10	30 mm <sup>2</sup>	25	70	97



### **Manifold Option**

### ■ D-sub connector (25 pins)/Cable assembly



### Connector manufacturers' example

- Hirose Electric Co., Ltd.
- Fujitsu Limited
- Japan Aviation Electronics Industry, Ltd.
  • J.S.T. Mfg, Co., Ltd.

### **D-sub Connector Cable Assembly**

Cable length (L)	Assembly part no.	Note
1.5 m	AXT100-DS25-015	Cable 25 cores
3 m	AXT100-DS25-030	x 24AWG
5 m	AXT100-DS25-050	1 24AVVG



For other commercial connectors, use a 25 pins type with female connector conforming to MIL-C-24308.

### **Electric Characteristics**

Item	Characteristics	
Conductor resistance	65	
Ω/km, 20°C	or less	
Voltage limit VAC, 1 min.	1000	
Insulation resistance MΩkm, 20°C	5 or less	



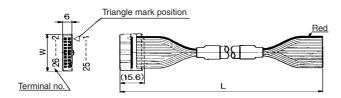
minimum bending radius of D-sub conof D-sub con-nector cable assembly is 20

### **D-sub Connector Cable Assembly Terminal No.**

Terminal no.	Lead wire color	Dot marking
1	Black	None
2	Brown	None
3	Red	None
4	Orange	None
5	Yellow	None
6	Pink	None
7	Blue	None
8	Purple	White
9	Gray	Black
10	White	Black
11	White	Red
12	Yellow	Red
13	Orange	Red
14	Yellow	Black
15	Pink	Black
16	Blue	White
17	Purple	None
18	Gray	None
19	Orange	Black
20	Red	White
21	Brown	White
22	Pink	Red
23	Gray	Red
24	Black	White
25	White	None

### ■ Flat ribbon cable connector/Cable assembly

AXT100-FC□-½



### **Flat Ribbon Cable Assembly**

Cable length (L)	10 pins	20 pins	26 pins
1.5 m	AXT100-FC10-1	AXT100-FC20-1	AXT100-FC26-1
3 m	AXT100-FC10-2	AXT100-FC20-2	AXT100-FC26-2
5 m	AXT100-FC10-3	AXT100-FC20-3	AXT100-FC26-3
Connector width (W)	17.2	30	37.5



For other commercial connectors, use a type with strain relief that conform to MIL-C-83503.

### Connector manufacturers' example

- Hirose Electric Co., Ltd.Sumitomo 3M Limited

- Fujitsu Limited
  Japan Aviation Electronics Industry, Ltd.
  J.S.T. Mfg, Co., Ltd.

### **⚠** Caution

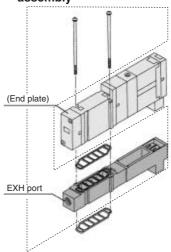
Mounting screw tightening torques

M2: 0.17 N·m M3: 0.8 N·m M4: 1.4 N·m

## **⚠** Warning

When mounting a valve or spacer on the manifold base or sub-plate, etc., those mounting directions are determined. If mounted in the wrong direction, the equipment to be connected may cause malfunction. Refer to external dimensions in pages 1-6-92 to 1-6-109, and then mount it.

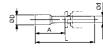
### ■ Individual SUP spacer assembly



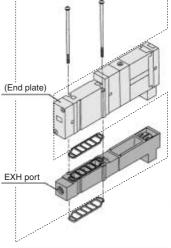
Series	Assembly part no.	Port size
SX3000	SX3000-38-3A	M5 x 0.8
SX5000	SX5000-38-17®A	1/0

### ■ Plug

Inserted into an unused cylinder units of 10 pieces.



### ■ Individual EXH spacer assembly



Series	Assembly part no.	Port size
SX3000	SX3000-39-3A	M5 x 0.8
SX5000	SX5000-39-17⊠A	1/8

port and SUP/EXH ports. Purchasing order is available in \* Thread type Nil Rc F G Ν NPT

NPTF

### **Dimensions**

Applicable fittings size ød	Model	Α	L	D
4	KQ2P-04	16	32	6
6	KQ2P-06	18	35	8
8	KQ2P-08	20.5	39	10
10	KQ2P-10	22	43	12
5/32"	KQ2P-03	16	32	6
1/4"	KQ2P-07	18	35	8.5
5/16"	KQ2P-09	20.5	39	10
3/8"	KQ2P-11	22	43	11.5



SV

SZ

SY

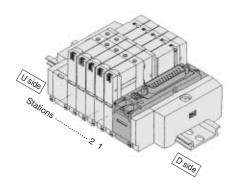
SYJ

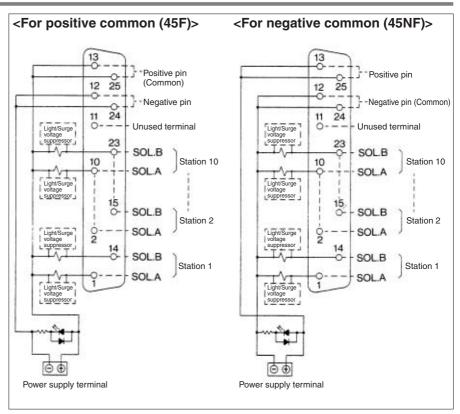
SX

### **Internal Wiring of Manifold**

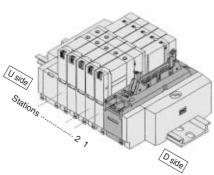
### Type 45(N)F: D-sub Connector

D-sub connector used for electric wiring reduces labor during wiring operation. Connectors conforming to MIL are used for interchangeability.





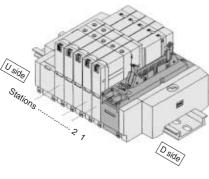
- The power source terminal is used for connecting to an external power source.
- The above diagram is the double wiring specifications for up to 10 stations. When the wiring specifications are specified on the manifold specification sheet, the valve assignment for the connector number will differ from the above diagram. For more information, please contact SMC.
- · When using a single solenoid valve, connect wire to SOL.A
- The maximum number of stations is 20 in terms of manifold bases, as well as solenoids. (Please consult with SMC for more stations.)
- Regardless of the connector mounting position, stations are to be counted from D side as the 1st one.

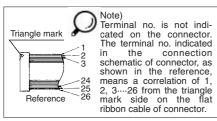


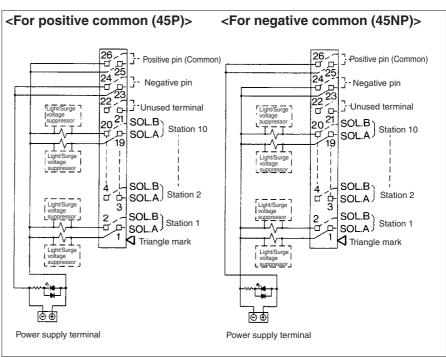
Type 45(N)P: Flat Ribbon Cable (26 pins) A flat cable connector used for electric wiring reduces labor during wiring operation.

Connectors conforming to MIL are used for

interchangeability.







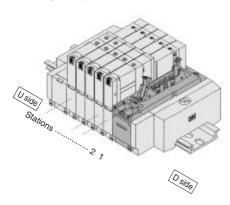
- The power source terminal is used for connecting to an external power source.
- The above diagram is the double wiring specifications for up to 10 stations. When the wiring specifications are specified on the manifold specification sheet, the valve assignment for the connector number will differ from the above diagram. For more information, please contact SMC.
- When using a single solenoid valve, connect wire to SOL.A.
- The maximum number of stations is 20 in terms of manifold bases, as well as solenoids. (Please consult with SMC for more stations.)
- Regardless of the connector mounting position, stations are to be counted from D side as the 1st one.

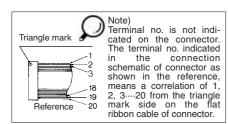


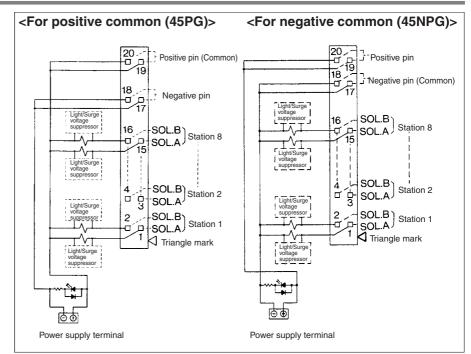


### Type 45(N)PG: Flat Ribbon Cable (20 pins)

A flat cable connector used for electric wiring reduces labor during wiring operation. Connectors conforming to MIL are used for interchangeability.



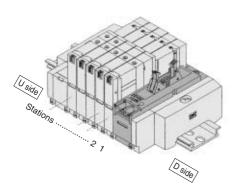


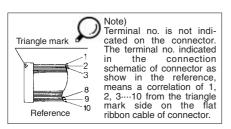


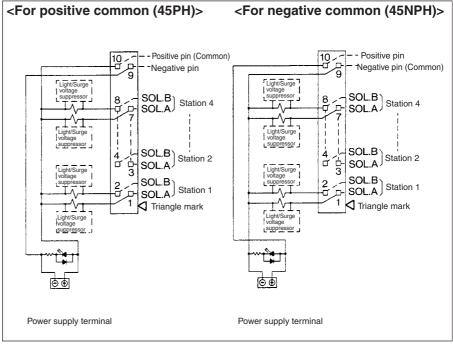
- The power source terminal is used for connecting to an external power source.
- The above diagram is the double wiring specifications for up to 8 stations. When the wiring specifications are specified on the manifold specification sheet, the valve assignment for the connector number will differ from the above diagram. For more information, please contact SMC.
- When using a single solenoid valve, connect wire to SOL.A
- The maximum number of stations is 16 in terms of manifold bases, as well as solenoids. (Please consult with SMC for more stations.)
- Regardless of the connector mounting position, stations are to be counted from D side as the 1st one.

### Type 45(N)PH: Flat Ribbon Cable (10 pins)

A flat cable connector used for electric wiring reduces labor during wiring operation. Connectors conforming to MIL are used for interchangeability.







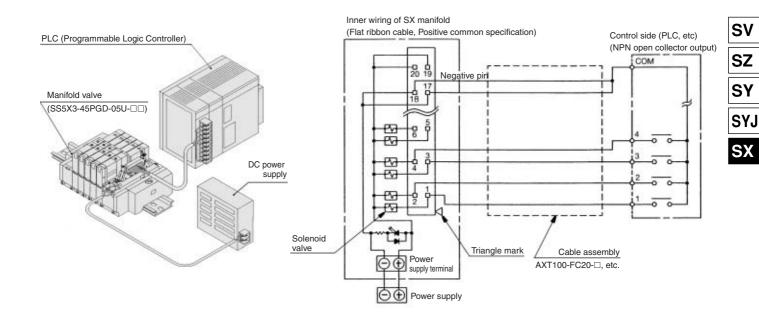
- The power source terminal is used for connecting to an external power source.
- The above diagram is the double wiring specifications for up to 4 stations. When the wiring specifications
  are specified on the manifold specification sheet, the valve assignment for the connector number will differ
  from the above diagram. For more information, please contact SMC.
- When using a single solenoid valve, connect wire to SOL.A
- The maximum number of stations is 8 in terms of manifold bases, as well as solenoids. (Please consult with SMC for more stations.)
- Regardless of the connector mounting position, stations are to be counted from D side as the 1st one.



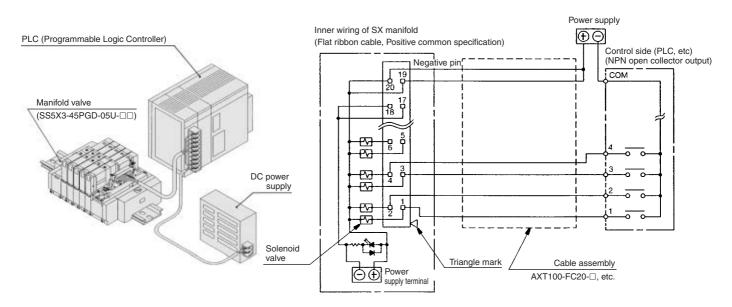
### SS5X□-45□ Wiring of Plug-in Type

Power terminal is equipped with plug-in manifold of Series SX as standard. Power terminal enables the power supply to valve from either of manifold or controller side.

### 1. Wiring example when using manifold power supply terminals



# 2. Wiring example when the power terminal of the manifold is not used (Power supplied at controller or in wiring)



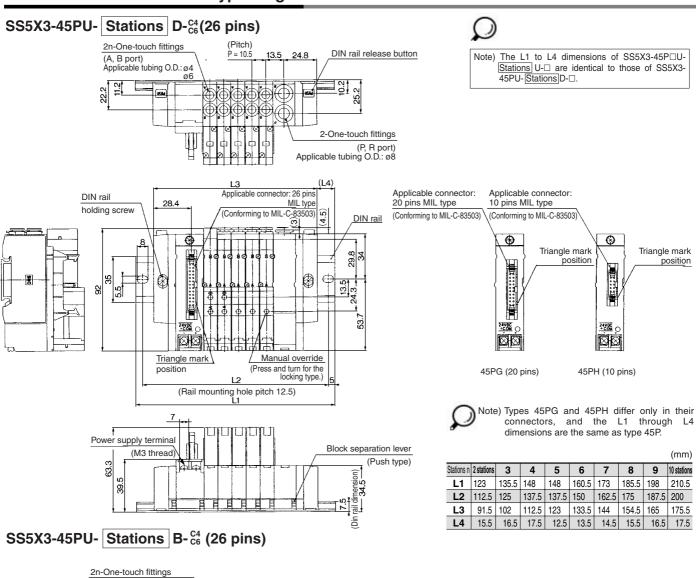
### 

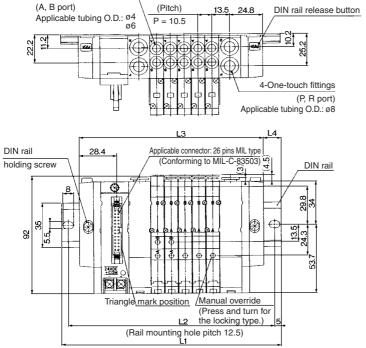
 Single wire, COM position, etc. of PLC are different from each manufacturer. When connecting with PLC, read the specifications carefully and understand the electrical circuit. Poor wiring could cause damage to PLC, power source, etc. as well as manifold and valve.





### SX3000: Flat Ribbon Cable Type/Plug-in





									(mm)	,
Stations n	2 stations	3	4	5	6	7	8	9	10 stations	
L1	135.5	148	160.5	173	185.5	185.5	198	210.5	223	
L2	125	137.5	150	162.5	175	17.5	187.5	200	212.5	
L3	108	118.5	129	139.5	150	160.5	171	181.5	192	_
L4	13.5	14.5	15.5	16.5	17.5	12.5	13.5	14.5	15.5	
Stations n	11 stations	12	13	14	15	16	17	18	19	20 station
L1	235.5	248	248	260.5	273	285.5	298	310.5	310.5	323
L2	225	237.5	237.5	250	262.5	27.5	287.5	300	300	312.5
L3	202.5	213	223.5	234	244.5	255	265.5	276	286.5	297
L4	16.5	17.5	12	13	14	15	16	17	12	13

### SS5X3-45PD- Stations U- C4 (26 pins)



Note) The L1 to L4 dimensions of SS5X3-45P $\square$ D- $\square$ Stations D- $\square$  are identical to those of SS5X3-45PD- $\square$ Stations U- $\square$ .

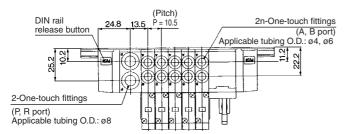
SV

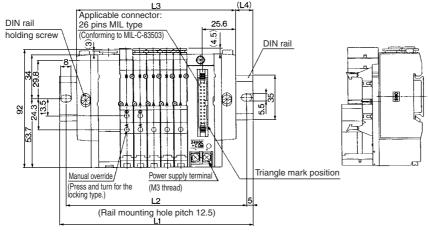
SZ

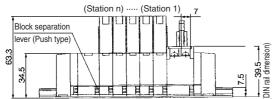
SY

SYJ

SX

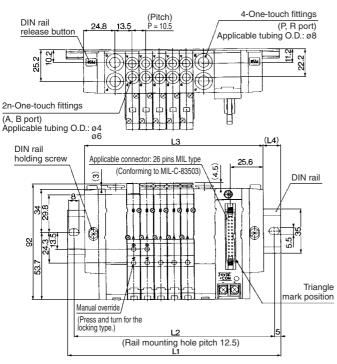






									(mm)
Stations n	2 stations	3	4	5	6	7	8	9	10 stations
L1	123	135.5	148	148	160.5	173	185.5	198	210.5
L2	112.5	125	137.5	137.5	150	162.5	175	187.5	200
L3	91.5	102	112.5	123	133.5	144	154.5	165	175.5
L4	15.5	16.5	17.5	12.5	13.5	14.5	15.5	16.5	17.5

## SS5X3-45PD- Stations B-C4 (26 pins)



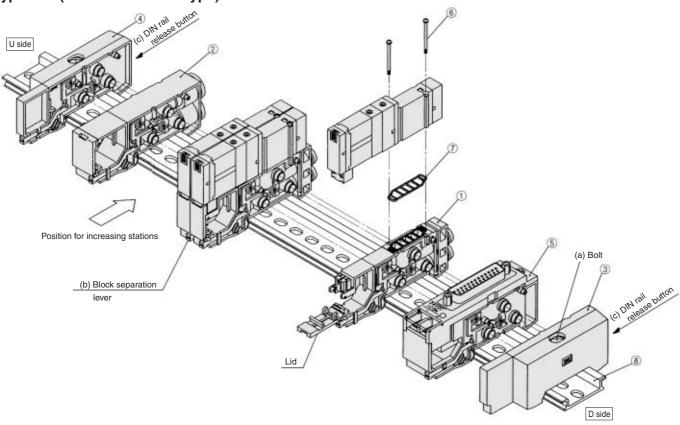
									(mm)	
Stations n	2 stations	3	4	5	6	7	8	9	10 stations	
L1	135.5	148	160.5	173	185.5	185.5	198	210.5	223	
L2	125	137.5	150	162.5	175	175	187.5	200	212.5	
L3	108	118.5	129	139.5	150	160.5	171	181.5	192	
L4	13.5	14.5	15.5	16.5	17.5	12.5	13.5	14.5	15.5	
Stations n	11 stations	12	13	14	15	16	17	18	19	20 stations
L1	235.5	248	248	260.5	273	285.5	298	310.5	310.5	323
L2	225	237.5	237.5	250	262.5	27.5	287.5	300	300	312.5
L3	202.5	213	223.5	234	244.5	255	265.5	276	286.5	297
L4	16.5	17.5	12	13	14	15	16	17	12	13





### **Exploded View: DIN Rail Manifold**

### Type 45F (D-sub connector type) Manifold



### **Replacement Parts**

No	Description	Part	no.	N-t-					
No.	Description	SX3000	SX5000	Note					
1	Manifold block assembly		ock assembly number differs according to an attached lead wire assembly based on the connector (Single, Double). Select an appropriate part number from among the manifold block assembly numbers w.						
2	SUP/EXH block assembly	(Metric size) SX3000-51-2A (Inch size) SX3000-51-16A	(Metric size) SX5000-51-2A (Inch size) SX5000-51-16A	R, P port SX3000 (Metric size): With One-touch fittings R, P port SX5000 (Metric size): With One-touch fittings					
3	End block assembly	SX3000-52-2A	SX5000-52-2A	For D	) side				
4	End block assembly	SX3000-53-2A	SX5000-53-2A	For U	J side				
<b>5-1</b>	Connector block assembly (For D-sub connector)	SX3000-64-1A	SX5000-64-1A	-1A: +COM -1NA: -COM					
⑤-2	Connector block assembly (For 26 pins flat cable)	SX3000-64-2A <sub>2NA</sub> -26	SX5000-64- <sup>2A</sup> <sub>2NA</sub> -26		Note) 24 VDC				
⑤-3	Connector block assembly (For 20 pins flat cable)	SX3000-64-2A <sub>2NA</sub> -20	SX5000-64- <sup>2A</sup> <sub>2NA</sub> -20	-2A: +COM. -2NA: -COM.					
⑤-4	Connector block assembly (For 10 pins flat cable)	SX3000-64- <sup>2A</sup> <sub>2NA</sub> -10	SX5000-64- <sup>2A</sup> <sub>2NA</sub> -10						
⑤-5	Connector block assembly (For 2 to 8 stations (T, T1) terminal block)	SX3000-64-3A	SX5000-64-3A	In common between +COM and -COM.					
5-6	Connector block assembly (For 9 to 17 stations (T1) terminal block)	SX3000-64-8A	SX5000-64-8A						
6	Round head combination screw	SX3000-22-2 (M2 x 24)	M3 x 30 (Matt nickel plated)						
7	Gasket	SX3000-57-4	SX5000-57-6						
8	DIN rail	VZ1000-11-1- □		Refer to pa	Refer to page 1-6-77.				



Note) The numbers ⑤-1 to 4 are for 24 VDC. For 12 VDC, suffix -12V to the parts no. (Example) SX3000-64-1A-12V

### Manifold Block Assembly Part No.

Style of manifold	Wiring specifications	Manifold block assembly part no.	Note
For 45(N)F	Double	SX <sub>5</sub> <sup>3</sup> 000-50-2A-□□	OYOOO (Making sing)
(D-sub connector)	Single	SX <sup>3</sup> 5000-50-3A-□□	• SX3000 (Metric size) (Inch size) C4: With One-touch fitting for ø4 N3: With One-touch fitting for ø5/32"
For 45(N) Fig.	Double	SX <sub>5</sub> <sup>3</sup> 000-50-4A-□□	C6: With One-touch fitting for ø6 N7: With One-touch fitting for ø1/4" X5000 (Metric size) (Inch size)
(Flat ribbon cable)	Single	SX <sup>3</sup> <sub>5</sub> 000-50-5A-□□	C4: With One-touch fitting for ø4 N3: With One-touch fitting for ø5/32"
For 45 T <sub>1</sub>	Double	SX <sub>5</sub> <sup>3</sup> 000-50-6A-□□	C6: With One-touch fitting for ø6 N7: With One-touch fitting for ø1/4" C8: With One-touch fitting for ø8 N9: With One-touch fitting for ø5/16"
(Terminal block)	Single	SX <sub>5</sub> <sup>3</sup> 000-50-7A-□□	(Gasket ① supplied as an accessory.)



### **How to Increase Manifold Bases**

(1) Loosen bolt (a) fixing the manifold base until it begins to turn idly. (While pressing DIN rail release button (c), separate the manifold base from the DIN rail.)

(2) Additional bases are to be added to the U side. Press splitting button (b) of the manifold block assembly on the U side until button (b) locks, and then separate the block assemblies.

(3) Separate the connector block assembly in the same manner as 2, and remove the connector mounting screw shown in Fig. (1).

(4) Loosen the valve mounting screw on the U side, remove the valve, and take out the receptacle housing. (Refer to Fig. (2).)

Insert the common wire (red) of the manifold block assembly to be added into the pin insertion section (N mark) of the receptacle housing that was taken out in 4, mount it on the manifold block, and mount the removed valve.

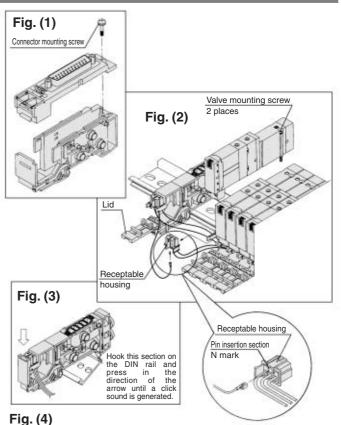
(6) As shown in Fig. (3), mount the additional manifold block assembly on the DIN rail on the U side. Refer to the circuit diagram, and insert the lead wire (SOL.A: Black, SOL.B: White) as shown in Fig. (4).

(7) Press the blocks against each other until a click sound is produced, place the lead wire in the manifold block, and close the lid without pinching the lead wire.

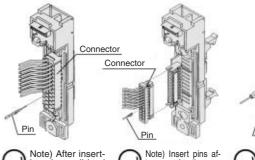
(8) While lightly holding the blocks together so that there are no gaps between them, secure them to the DIN rail by tightening the screws A. (Tightening torque: 1.4 N·m)

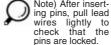
## **∧** Caution

- Depending on the connector, there is a limit to the number of solenoids.
   When all manifold stations are wired for double solenoid valves, expansion
   of the manifold may not be possible. Please consult with SMC for more
   information.
- The manifold block assembly mounting position for additional manifold bases is always on the U side, because wires are connected to respective connectors sequentially from the D side.
- 3. When bolt (a) for the end block is not sufficiently tightened during reassembly, air leakage may result. Before supplying air, check that there is no gap between blocks and that the manifold block is firmly fixed to the DIN rail in order to ensure air supply without leakage.



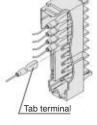
D-sub connector (45F) Flat ribbon cable (45P□) Terminal block (45T)







the pins are locked.



SV

SZ

SY

SYJ



### **How to Change Fitting Assembly**

Type 45 manifold permits change in the A and B port sizes by changing the manifold block fitting assembly.

After removing the valve, remove the clip with a screwdriver. To mount a new fitting assembly insert it and then insert a clip so it does not come out of the manifold block.

### Fitting Assembly Part No.

### Metric size

SX3000	One-touch fitting for ø4	VVQ1000-50A-C4
5X3000	One-touch fitting for ø6	VVQ1000-50A-C6
	One-touch fitting for ø4	VVQ1000-51A-C4
SX5000	One-touch fitting for ø6	VVQ1000-51A-C6
	One-touch fitting for ø8	VVQ1000-51A-C8

#### Inch size

SX3000	One-touch fitting for ø5/32"	VVQ1000-50A-N3
373000	One-touch fitting for ø1/4"	VVQ1000-50A-N7
	One-touch fitting for ø5/32"	VVQ1000-51A-N3
SX5000	One-touch fitting for ø1/4"	VVQ1000-51A-N7
	One-touch fitting for ø5/16"	VVQ1000-51A-N9

Note 1) P and R ports cannot be changed.

Note 2) Use caution that O-rings must be free from scratches and dust.

Otherwise, air leakage may result.

