

Serial Wiring 5 Port Solenoid Valve for EX510

Series SY

Manifold Variations

Body Ported

Base type			Series	A, B port size												
				Piping with One-touch fitting								Port piping				
				Metric size					Inch size							
				ø4	ø6	ø8	ø10	ø12	ø5/32"	ø1/4"	ø5/16"	ø3/8"	M5	1/8	1/4	3/8
Bar stock type		20SA	SY3000	●	●				●	●			●			
			SY5000	●	●	●			●	●	●			●		
			SY7000			●	●				●	●			●	
Stacking type		23SA	SY9000			●	●	●			●	●			●	●

Base Mounted

Base type			Series	A, B port size												
				Piping with One-touch fitting									Port piping			
				Metric size					Inch size							
				ø4	ø6	ø8	ø10	ø12	ø5/32"	ø1/4"	ø5/16"	ø3/8"	M5	1/8	1/4	3/8
Bar stock type		42SA	SY3000	●	●				●	●				●		
			SY5000		●	●				●	●				●	
			SY7000				●					●			●	
Stacking type		43SA	SY9000			●	●	●			●	●		●	●	
		45S6A	SY3000	●	●				●	●						
			SY5000	●	●	●			●	●	●					



Refer to CAT.ES11-83 for detailed specifications and precautions.

EX510 Serial Wiring

Series SY3000/5000/7000

Body Ported/Bar Stock Type

How to Order Manifold

SS5Y 3 — 20SA — 04 — -Q

Manifold series

3	SY3000
5	SY5000
7	SY7000

SI unit COM.

-	+COM.
N	-COM.

P, R thread type

-	Rc
00F	G
00N	NPT
00T	NPTF

Stations

Symbol	No. of stations	Note
03	3 stations	Double wiring specifications ^{Note 1)}
⋮	⋮	
08	8 stations	Specified layout ^{Note 2)} (Up to 16 solenoids possible.)
03	3 stations	
⋮	⋮	
16	16 stations	

- SS5Y3: Available from 4 stations.
 - This also includes the number of blanking plate assemblies.
- Note 1) Double wiring specification: Use of a single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.
- Note 2) Specified layout: Indicate wiring specifications on a manifold specification sheet. (Note that double and 3 position valves cannot be used where single solenoid wiring has been specified.)

How to Order Valve Manifold Assembly (Example)

Example

Cylinder port size
C6: With one-touch fitting for ø6

Double solenoid (24 VDC)
SY3220-5LOU-C6-Q (2 sets)

Single solenoid (24 VDC)
SY3120-5LOU-C6-Q (4 sets)

Manifold base (6 stations)
SS5Y3-20SA-06-Q

Stations ... 3 2 1

SS5Y3-20SA-06-Q 1 set (Type 20SA, 6 station manifold base part no.)

* SY3120-5LOU-C6-Q 4 sets (Single solenoid part no.)

* SY3220-5LOU-C6-Q 2 sets (Double solenoid part no.)

→ The asterisk denotes the symbol for assembly.
Prefix it to the part nos. of the solenoid valve, etc.

Add the valve and option part number under the manifold base part number. In the case of complex arrangement, specify them on the manifold specification sheet. For a manifold for an EX510, the length of the lead wire for a connector assembly depends on the number of stations. Therefore, the manifold assembly is shipped with the valves (including blanking plates) and connector assembly mounted on it, as the standard specification. Be sure to specify the part nos. of the solenoid valves to be mounted.

How to Order Valve

SY 3 1 20-5 LO Z - M5 - Q

Series

3	SY3000
5	SY5000
7	SY7000

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

Rated voltage: 24 VDC

Light/surge voltage suppressor

Z	With light/surge voltage suppressor
U	With light/surge voltage suppressor (Non-polar type)

Manual override

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

Thread type

-	Rc
F	G
N	NPT
T	NPTF

A, B port size
Thread piping

M5	M5	SY3000
01	1/8	SY5000
02	1/4	SY7000

One-touch fitting (Metric size)

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	

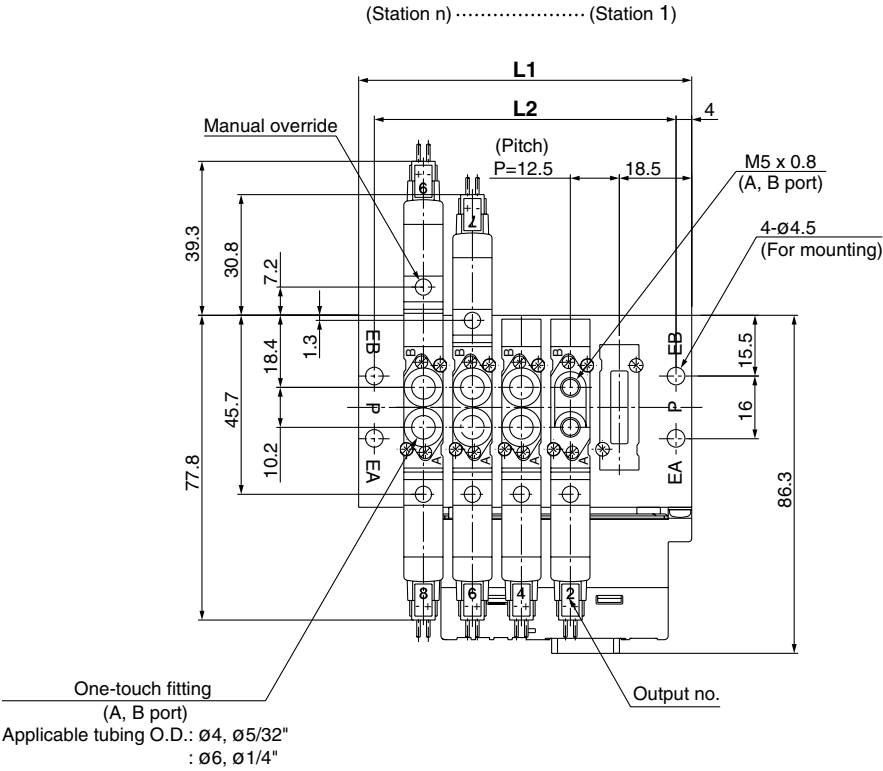
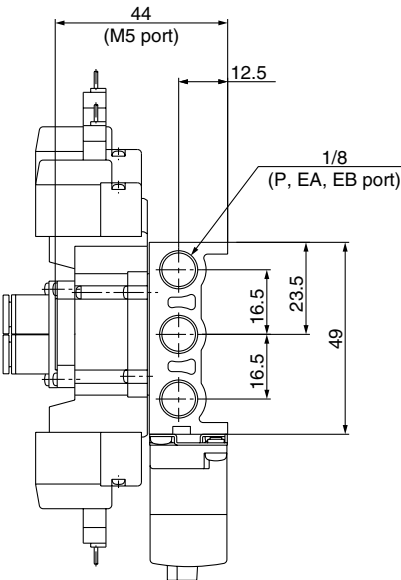
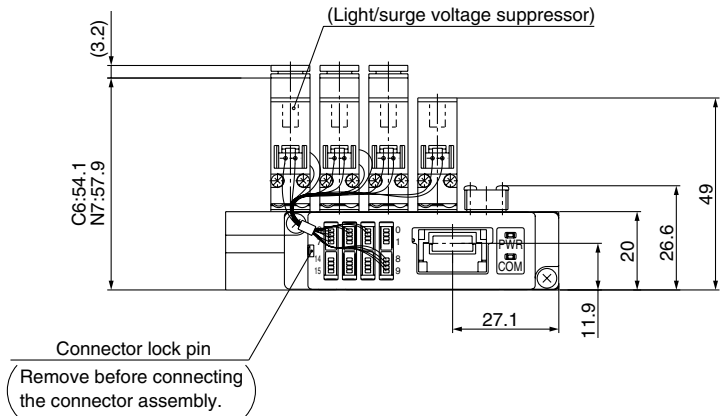
One-touch fitting (Inch size)

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"	

Series SY3000/5000/7000

Dimensions

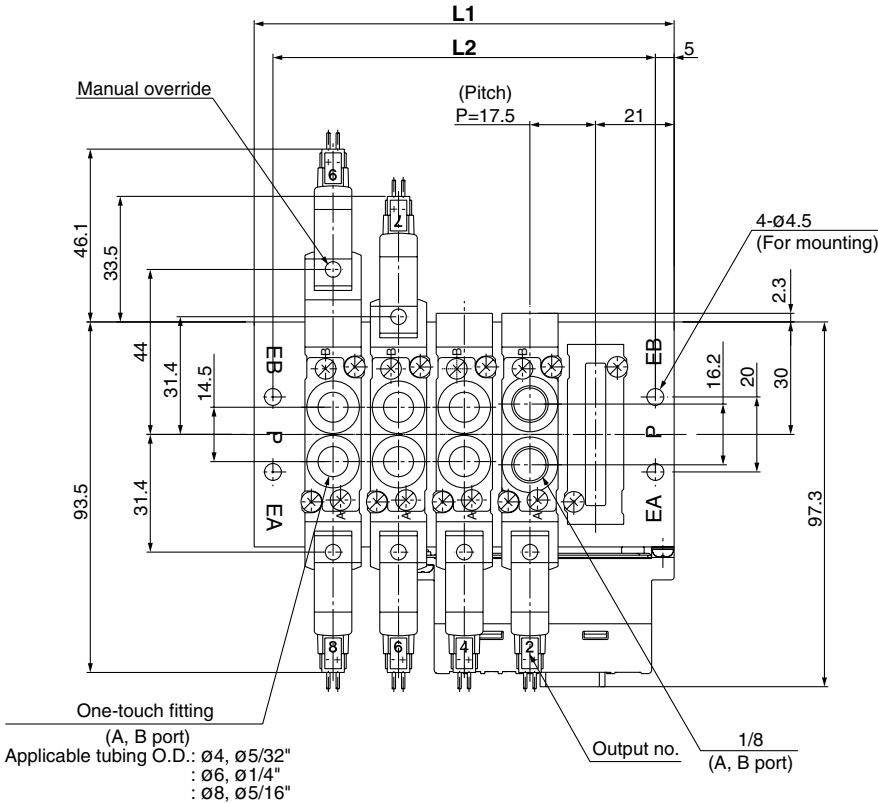
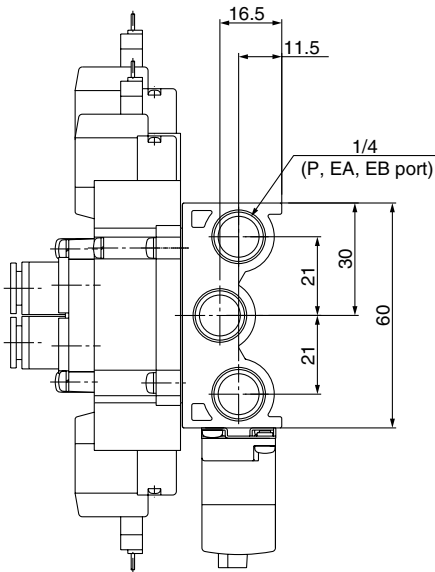
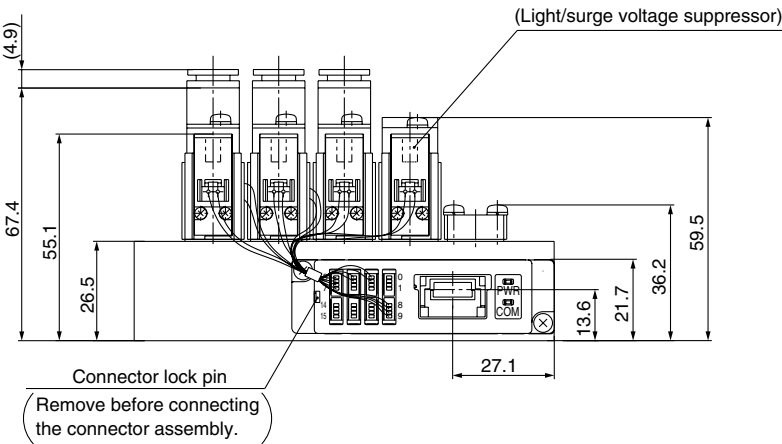
SY3000: SS5Y3-20SA □ -Stations □ -□ -Q



Stations n	4 stations	5	6	7	8	9	10	11	12	13	14	15	16 stations
L1	72.5	85	97.5	110	122.5	135	147.5	160	172.5	185	197.5	210	222.5
L2	64.5	77	89.5	102	114.5	127	139.5	152	164.5	177	189.5	202	214.5

Body Ported **Series SY3000/5000/7000**

SY5000: SS5Y5-20SA□-□Stations-□-Q

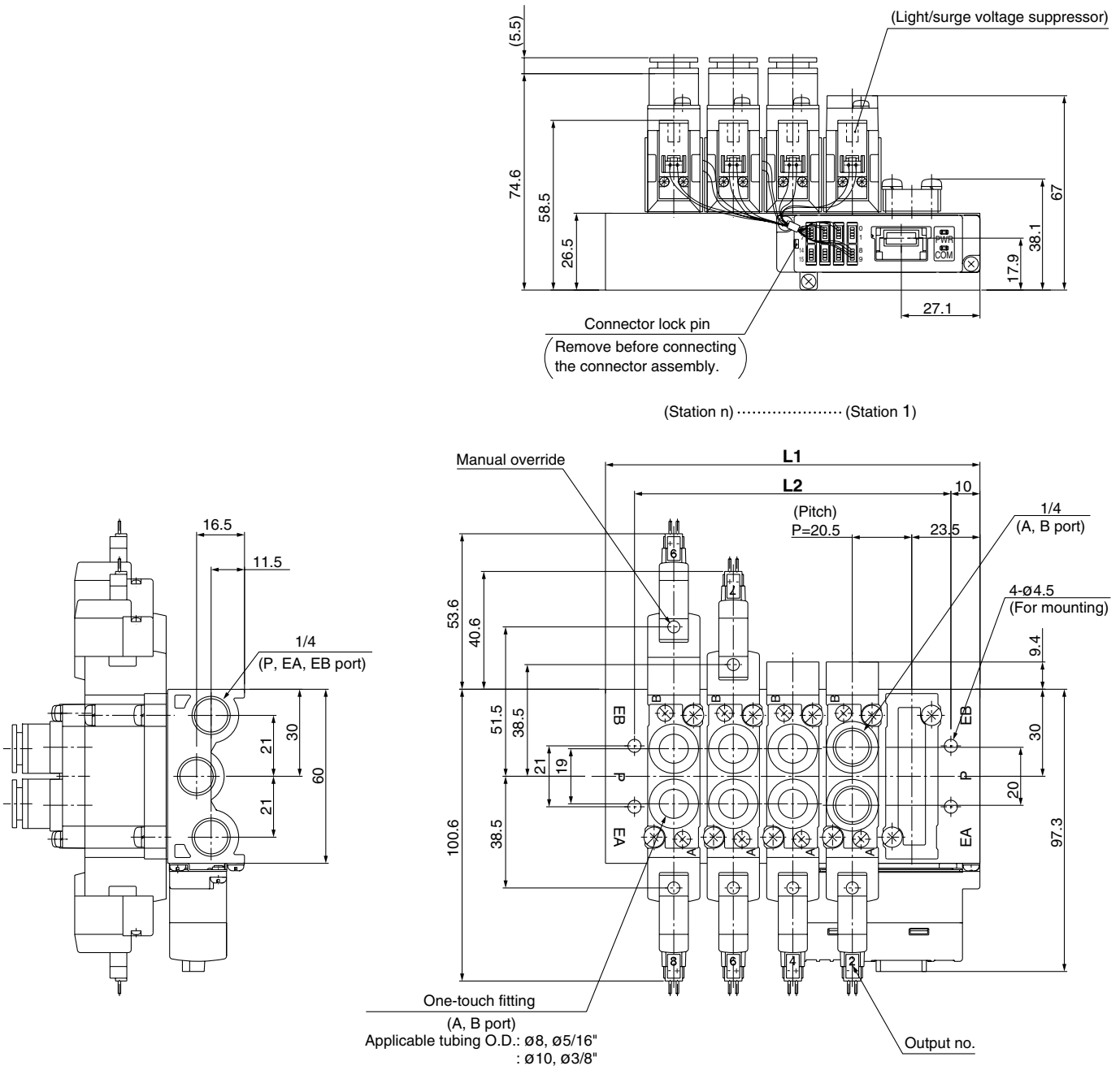


Stations n	3 stations	4	5	6	7	8	9	10	11	12	13	14	15	16 stations
L1	77	94.5	112	129.5	147	164.5	182	199.5	217	234.5	252	269.5	287	304.5
L2	67	84.5	102	119.5	137	154.5	172	189.5	207	224.5	242	259.5	277	294.5

Series SY3000/5000/7000

Dimensions

SY7000: SS5Y7-20SA□ - Stations - □ -Q



Stations n	3 stations	4	5	6	7	8	9	10	11	12	13	14	15	16 stations
L1	88	108.5	129	149.5	170	190.5	211	231.5	252	272.5	293	313.5	334	354.5
L2	68	88.5	109	129.5	150	170.5	191	211.5	232	252.5	273	293.5	314	334.5

Type **23SA**

EX510 Serial Wiring

Series SY9000

Body Ported/Stacking Type

How to Order Manifold

SS5Y9—23SA 03 **-Q**

SI unit COM.

-	+COM.
N	-COM.

• Option

-	Direct mounting
D	DIN rail mounting (with DIN rail)
D0	DIN rail mounting (without DIN rail)
D*	When a longer DIN rail is desired than the specified stations, specify the station number to be required into * mark.

Stations

Symbol	No. of stations	Note
03	3 stations	Double wiring specifications Note 1)
⋮	⋮	
08	8 stations	
03	3 stations	Specified layout Note 2) (Up to 16 solenoids possible.)
⋮	⋮	
16	16 stations	

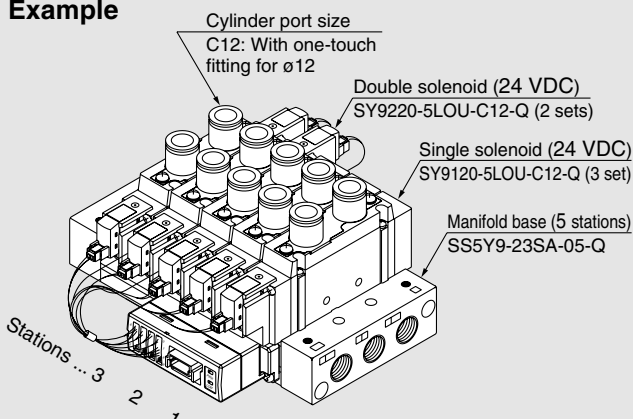
• P, R thread type

-	Rc
00F	G
00N	NPT
00T	NPTF

- This also includes the number of blanking plate assemblies.
- Note 1) Double wiring specification: Use of a single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.
- Note 2) Specified layout: Indicate wiring specifications on a manifold specification sheet. (Note that double and 3 position valves cannot be used where single solenoid wiring has been specified.)

How to Order Valve Manifold Assembly (Example)

Example



SS5Y9-23SA-05-Q 1 set (Type 23SA, 5 station manifold base part no.)
 * SY9120-5LOU-C12-Q .. 3 sets (Single solenoid part no.)
 * SY9220-5LOU-C12-Q .. 2 sets (Double solenoid part no.)

→ The asterisk denotes the symbol for assembly.
 Prefix it to the part nos. of the solenoid valve, etc.

Add the valve and option part number under the manifold base part number. In the case of complex arrangement, specify them on the manifold specification sheet. For a manifold for an EX510, the length of the lead wire for a connector assembly depends on the number of stations. Therefore, the manifold assembly is shipped with the valves (including blanking plates) and connector assembly mounted on it, as the standard specification. Be sure to specify the part nos. of the solenoid valves to be mounted.

How to Order Valve

SY9 1 20 - 5 LO Z - 02 - Q

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 specifications •

-	Internal pilot
R	External pilot

Rated voltage: 24 VDC •

Light/surge voltage suppressor •

Z	With light/surge voltage suppressor
U	With light/surge voltage suppressor (Non-polar type)

Manual override •

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

Thread type

-	Rc
F	G
N	NPT
T	NPTF

A, B port size

Thread piping

02	1/4
03	3/8

One-touch fitting (Metric size)

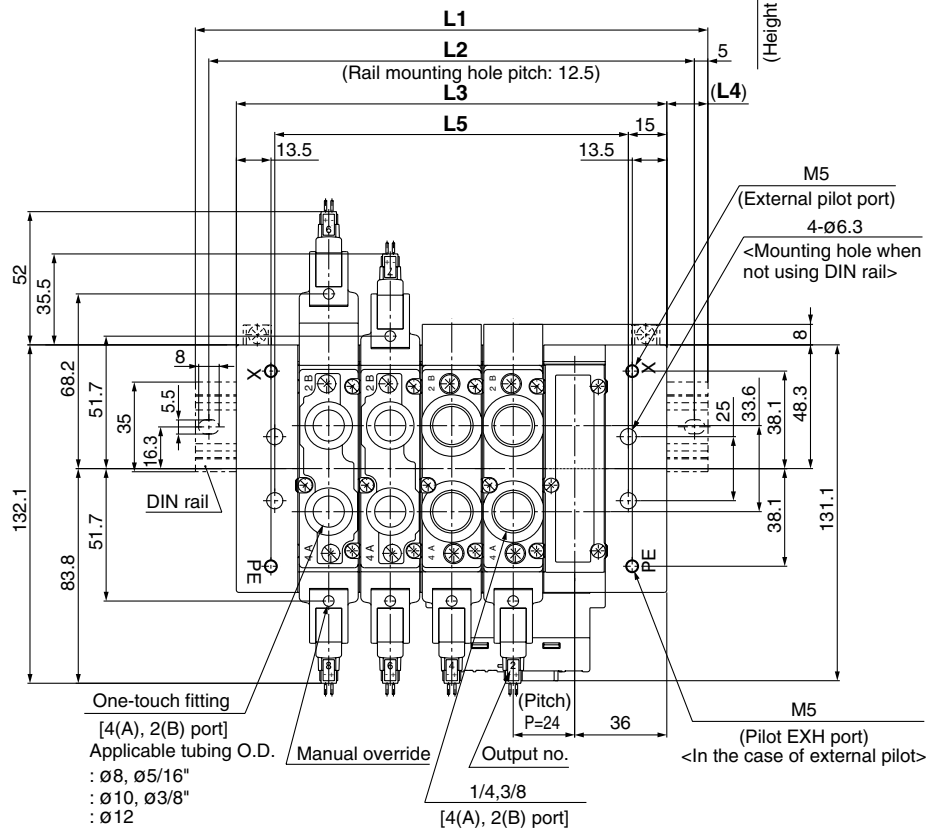
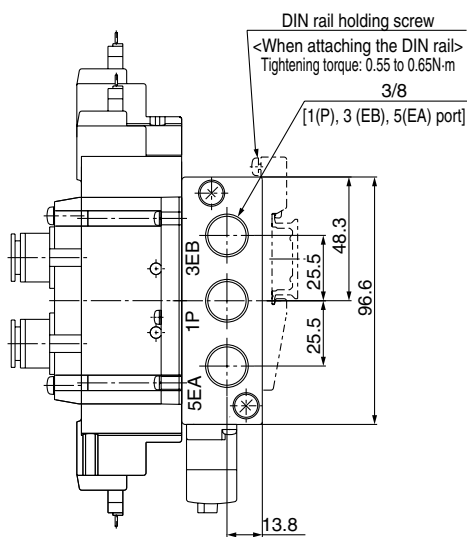
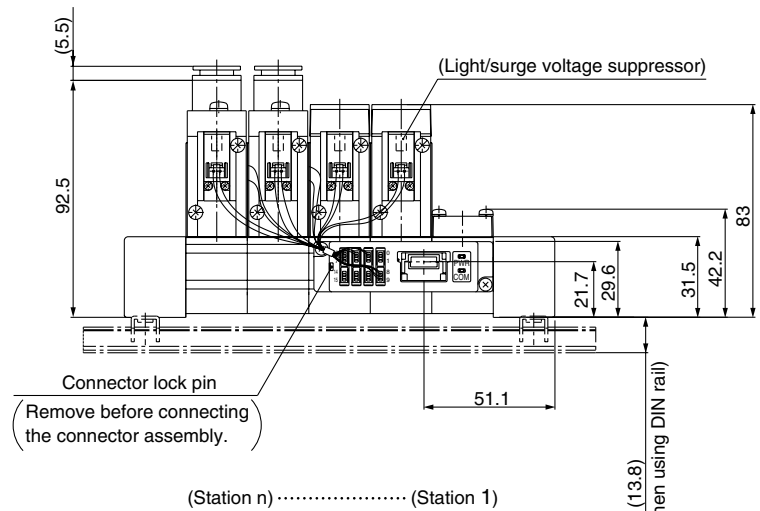
C8	One-touch fitting for ø8
C10	One-touch fitting for ø10
C12	One-touch fitting for ø12

One-touch fitting (Inch size)

N9	One-touch fitting for ø5/16"
N11	One-touch fitting for ø3/8"

Dimensions

SY9000: SS5Y9-23SA - **Stations** - (-D)-Q



Stations n	3 stations	4	5	6	7	8	9	10	11	12	13	14	15	16 stations
L1	148	173	198	223	248	273	298	323	335.5	360.5	385.5	410.5	435.5	460.5
L2	137.5	162.5	187.5	212.5	237.5	262.5	287.5	312.5	325	350	375	400	425	450
L3	120	144	168	192	216	240	264	288	312	336	360	384	408	432
L4	14	14.5	15	15.5	16	16.5	17	17.5	12	12.5	13	13.5	14	14.5
L5	90	114	138	162	186	210	234	258	282	306	330	354	378	402

Note) In the case of direct mounting without DIN rail, total width of manifold is L3.

EX510 Serial Wiring

Series SY3000/5000/7000

Base Mounted/Bar Stock Type

How to Order Manifold

SS5Y 3-42SA-03-01-Q

Manifold series

3	SY3000
5	SY5000
7	SY7000

SI unit COM.

-	+COM.
N	-COM.

Stations

Symbol	No. of stations	Note
03	3 stations	Double wiring specifications ^{Note 1)}
⋮	⋮	
08	8 stations	Specified layout ^{Note 2)} (Up to 16 solenoids possible.)
03	3 stations	
⋮	⋮	
16	16 stations	

- SS5Y3 has 4 to 16 stations.
- This also includes the number of blanking plate assemblies.

Note 1) Double wiring specification: Use of a single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.

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

Thread type

-	Rc
F	G
N	NPT
T	NPTF

A, B port size

Thread piping

01	1/8	SY3000
02	1/4	SY5000/7000

One-touch fitting (Metric size)

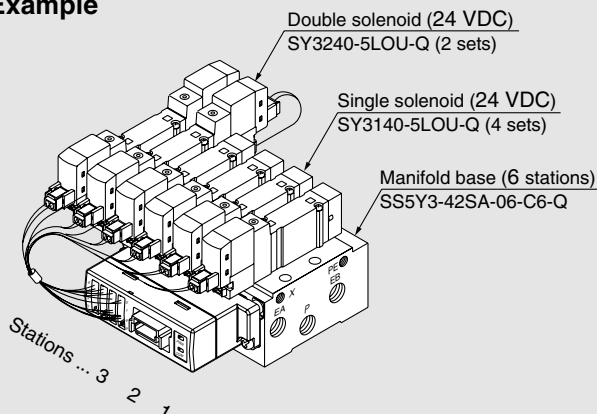
C4	One-touch fitting for ø4	SY3000
C6	One-touch fitting for ø6	
C6	One-touch fitting for ø6	SY5000
C8	One-touch fitting for ø8	
C10	One-touch fitting for ø10	SY7000

One-touch fitting (Inch size)

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

How to Order Valve Manifold Assembly (Example)

Example



SS5Y3-42SA-06-C6-Q... 1 set (Type 42SA, 6 station manifold base part no.)
 * SY3140-5LOU-Q... 4 sets (Single solenoid part no.)
 * SY3240-5LOU-Q... 2 sets (Double solenoid part no.)

→ The asterisk denotes the symbol for assembly.
 Prefix it to the part nos. of the solenoid valve, etc.

Add the valve and option part number under the manifold base part number. In the case of complex arrangement, specify them on the manifold specification sheet. For a manifold for an EX510, the length of the lead wire for a connector assembly depends on the number of stations. Therefore, the manifold assembly is shipped with the valves (including blanking plates) and connector assembly mounted on it, as the standard specification. Be sure to specify the part nos. of the solenoid valves to be mounted.

How to Order Valve

SY 3 1 40 □ — 5 LO Z □ -Q

• **Series**

3	SY3000
5	SY5000
7	SY7000

• **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 specifications**

-	Internal pilot
R	External pilot

• **Manual override**

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

• **Light/surge voltage suppressor**

Z	With light/surge voltage suppressor
U	With light/surge voltage suppressor (Non-polar type)

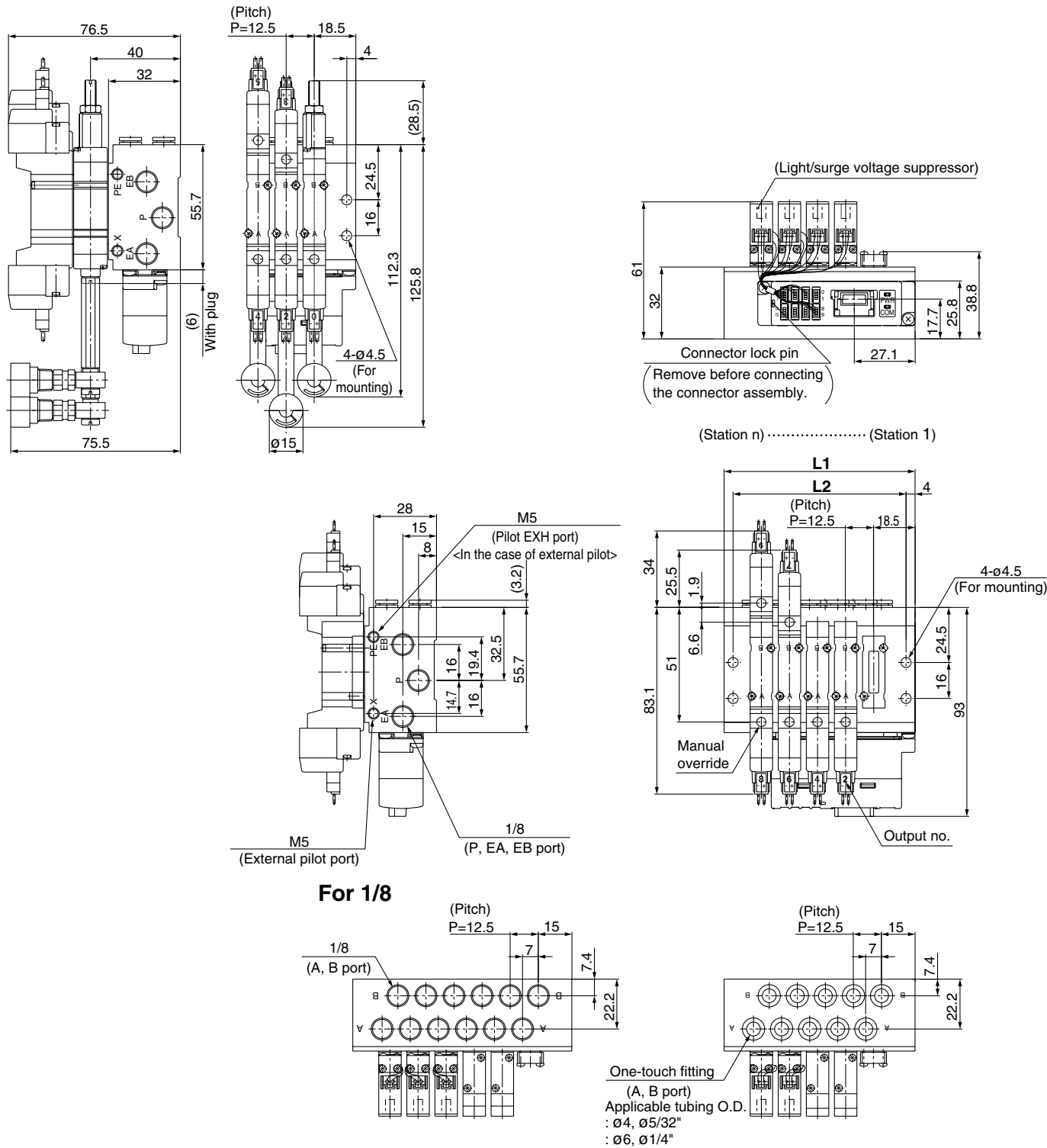
Rated voltage: 24 VDC •

Series SY3000/5000/7000

Dimensions

SY3000: SS5Y3-42SA□□-Stations-01□□, C4, N3, C6, N7 -Q

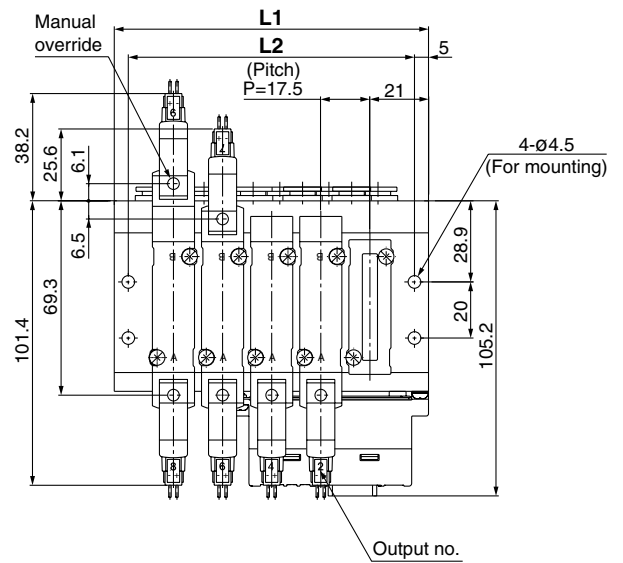
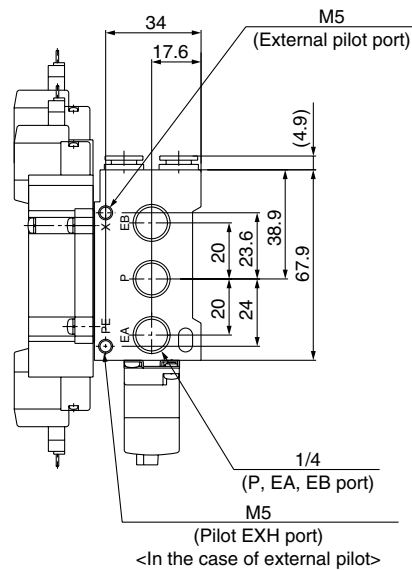
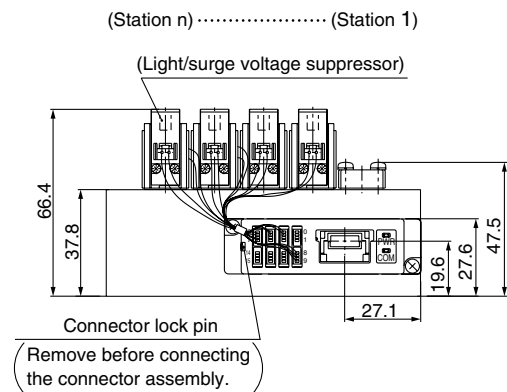
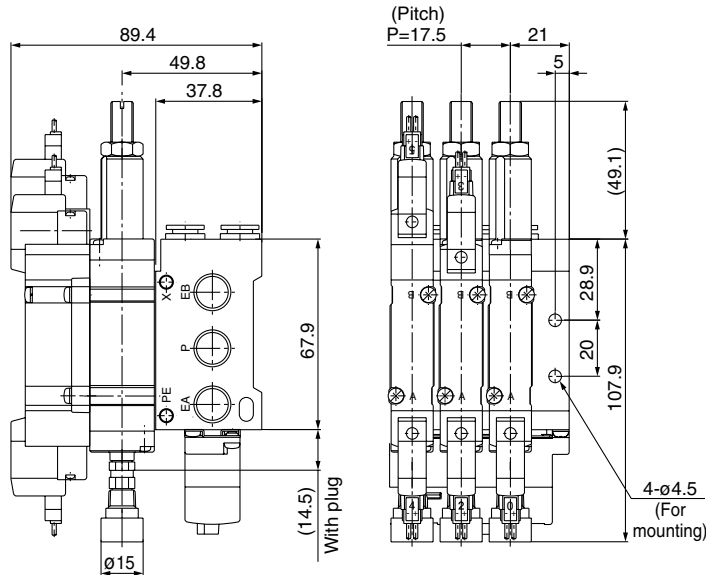
With interface regulator (with gauge)



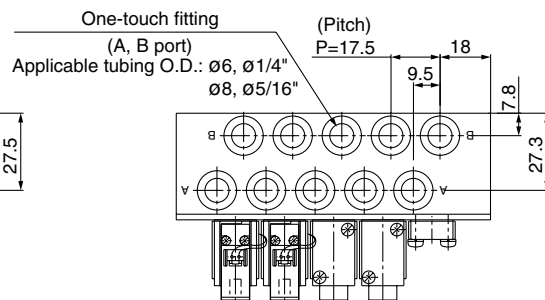
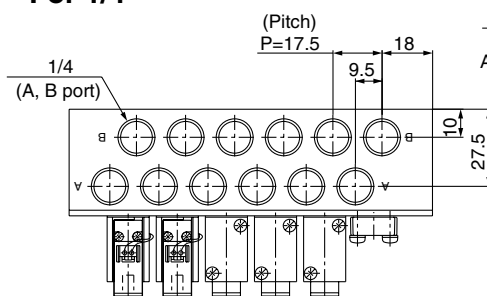
Stations n	4 stations	5	6	7	8	9	10	11	12	13	14	15	16 stations
L1	72.5	85	97.5	110	122.5	135	147.5	160	172.5	185	197.5	210	222.5
L2	64.5	77	89.5	102	114.5	127	139.5	152	164.5	177	189.5	202	214.5

SY5000: SS5Y5-42SA **Stations** **-02** , C6, N7, C8, N9 **-Q**

With interface regulator (with gauge)



For 1/4



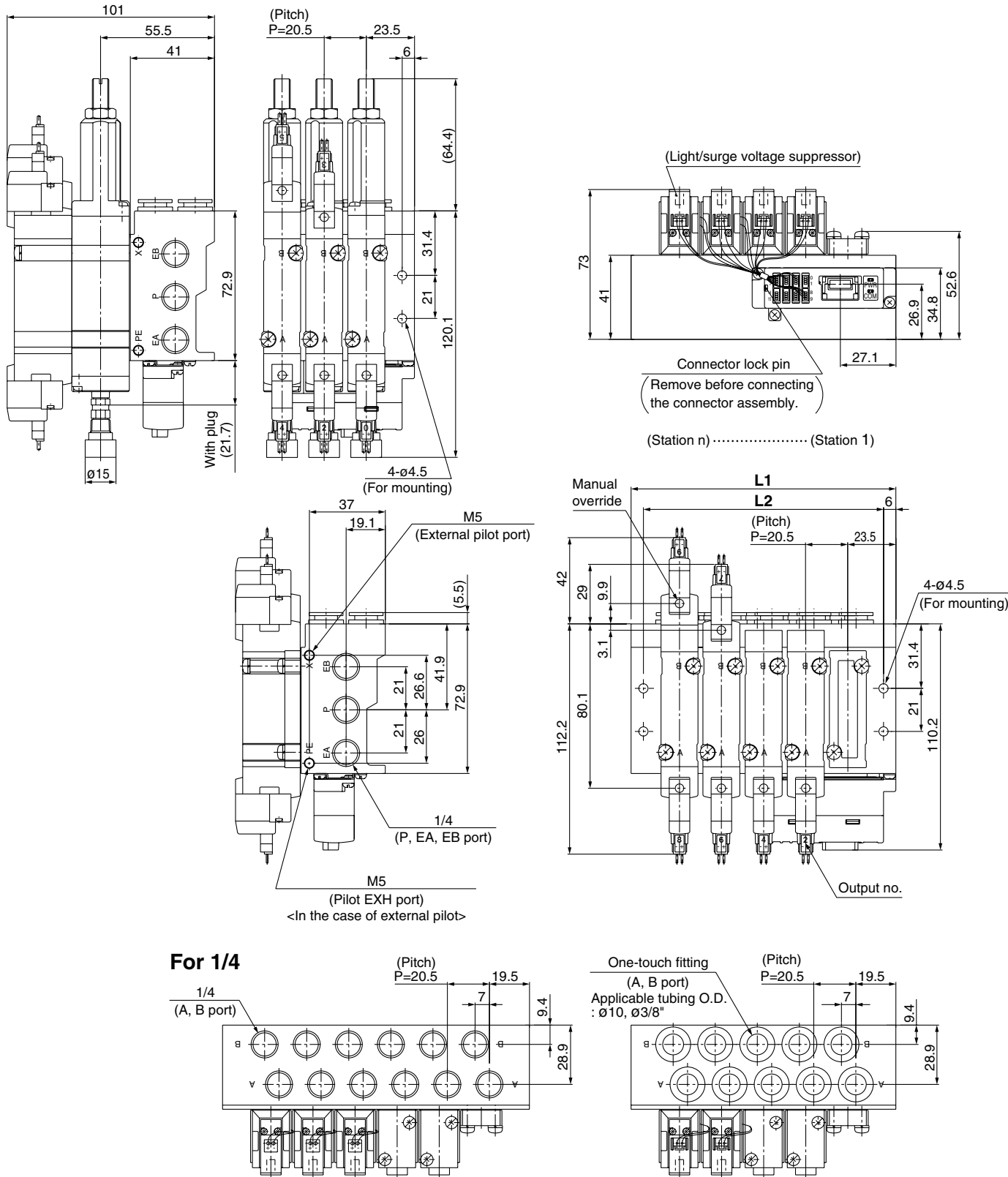
Stations n	3 stations	4	5	6	7	8	9	10	11	12	13	14	15	16 stations
L1	77	94.5	112	129.5	147	164.5	182	199.5	217	234.5	252	269.5	287	304.5
L2	67	84.5	102	119.5	137	154.5	172	189.5	207	224.5	242	259.5	277	294.5

Series SY3000/5000/7000

Dimensions

SY7000: SS5Y7-42SA□□-Stations-02□□, C10, N11-Q

With interface regulator (with gauge)



Stations n	3 stations	4	5	6	7	8	9	10	11	12	13	14	15	16 stations
L1	88	108.5	129	149.5	170	190.5	211	231.5	252	272.5	293	313.5	334	354.5
L2	76	96.5	117	137.5	158	178.5	199	219.5	240	260.5	281	301.5	322	342.5

Type **43SA**

EX510 Serial Wiring Series SY9000

Base Mounted/Stacking Type

How to Order Manifold

SS5Y9-43SA **03** **U** **02** **-Q**

SI unit COM.

-	+COM.
N	-COM.

Stations

Symbol	No. of stations	Note
03	3 stations	Double wiring specifications Note 1)
⋮	⋮	
08	8 stations	Specified layout Note 2) (Up to 16 solenoids possible.)
03	3 stations	
⋮	⋮	
16	16 stations	

• This also includes the number of blanking plate assemblies.

Note 1) Double wiring specification: Use of a single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.

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

Option

-	Direct mounting
D	DIN rail mounting (with DIN rail)
D0	DIN rail mounting (without DIN rail)
D*	When a longer DIN rail is desired than the specified stations, specify the station number to be required into * mark.

Thread type

-	Rc
F	G
N	NPT
T	NPTF

A, B port size

Thread piping

02	1/4
03	3/8

One-touch fitting (Metric size)

C8	One-touch fitting for ø8
C10	One-touch fitting for ø10
C12	One-touch fitting for ø12
M	Mixed

One-touch fitting (Inch size)

N9	One-touch fitting for ø5/16"
N11	One-touch fitting for ø3/8"
M	Mixed

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

SUP/EXH block assembly specifications

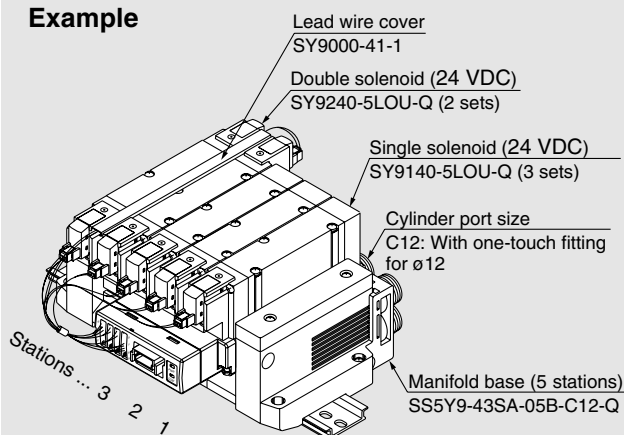
-	Standard/Internal pilot specification
R	External pilot specification
S	Internal pilot/Built-in silencer
RS	External pilot/Built-in silencer

P, R port outlets

U	U side	3 to 10 stations
D	D side	
B	Both sides	3 to 16 stations

How to Order Valve Manifold Assembly (Example)

Example



SS5Y9-43SA-05B-C12-Q ... 1 set (Type 43SA, 5 station manifold base part no.)
 * **SY9140-5LOU-Q** ... 3 sets (Single solenoid part no.)
 * **SY9240-5LOU-Q** ... 2 sets (Double solenoid part no.)
 * **SY9000-41-1** ... 1 set (Lead wire cover)

→ The asterisk denotes the symbol for assembly.
 Prefix it to the part nos. of the solenoid valve, etc.

Add the valve and option part number under the manifold base part number. In the case of complex arrangement, specify them on the manifold specification sheet. For a manifold for an EX510, the length of the lead wire for a connector assembly depends on the number of stations. Therefore, the manifold assembly is shipped with the valves (including blanking plates) and connector assembly mounted on it, as the standard specification. Be sure to specify the part nos. of the solenoid valves to be mounted.

How to Order Valve

SY9140-5LOZ-Q

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 specifications

-	Internal pilot
R	External pilot

Rated voltage: 24 VDC

Manual override

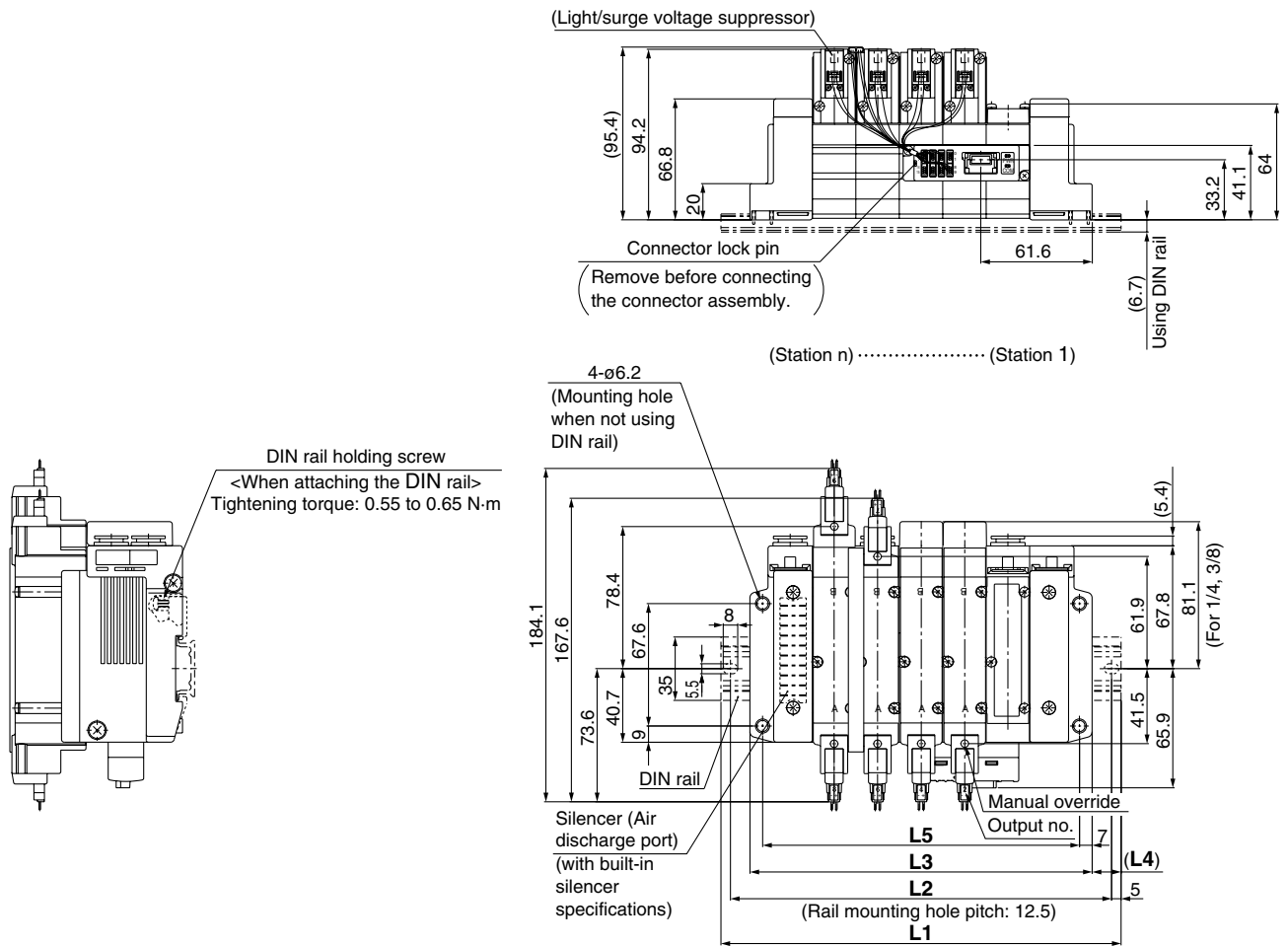
-	Non-locking push type
D	Push-turn locking slotted type
E	Push-turn locking lever type

Light/surge voltage suppressor

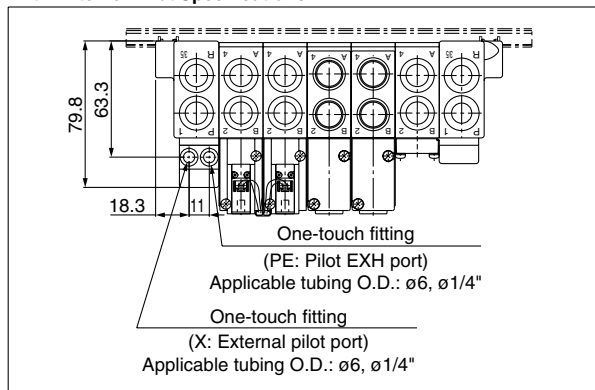
Z	With light/surge voltage suppressor
U	With light/surge voltage suppressor (Non-polar type)

Dimensions

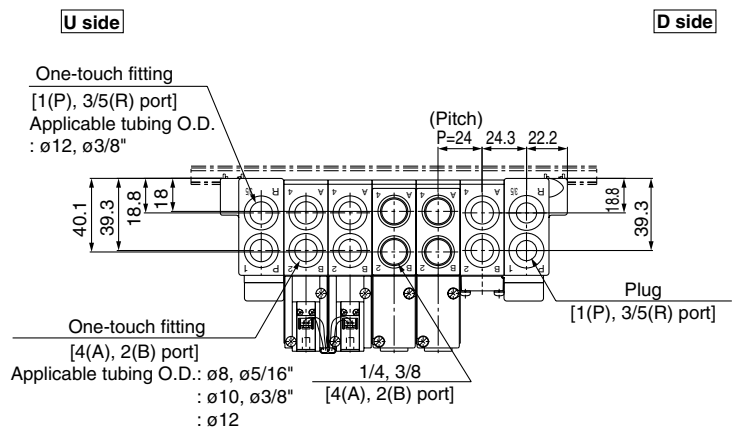
SY9000: SS5Y9-43SA □ — Stations U □ — □ ^{C8, N9}_{C10, N11} ^{C12} (-D)-Q



With External Pilot Specifications



- * When P and R port outlets are on the U side, the P and R ports on the opposite side are plugged.
- * Air discharge port on the built-in silencer type and the external pilot parts are on the U side.

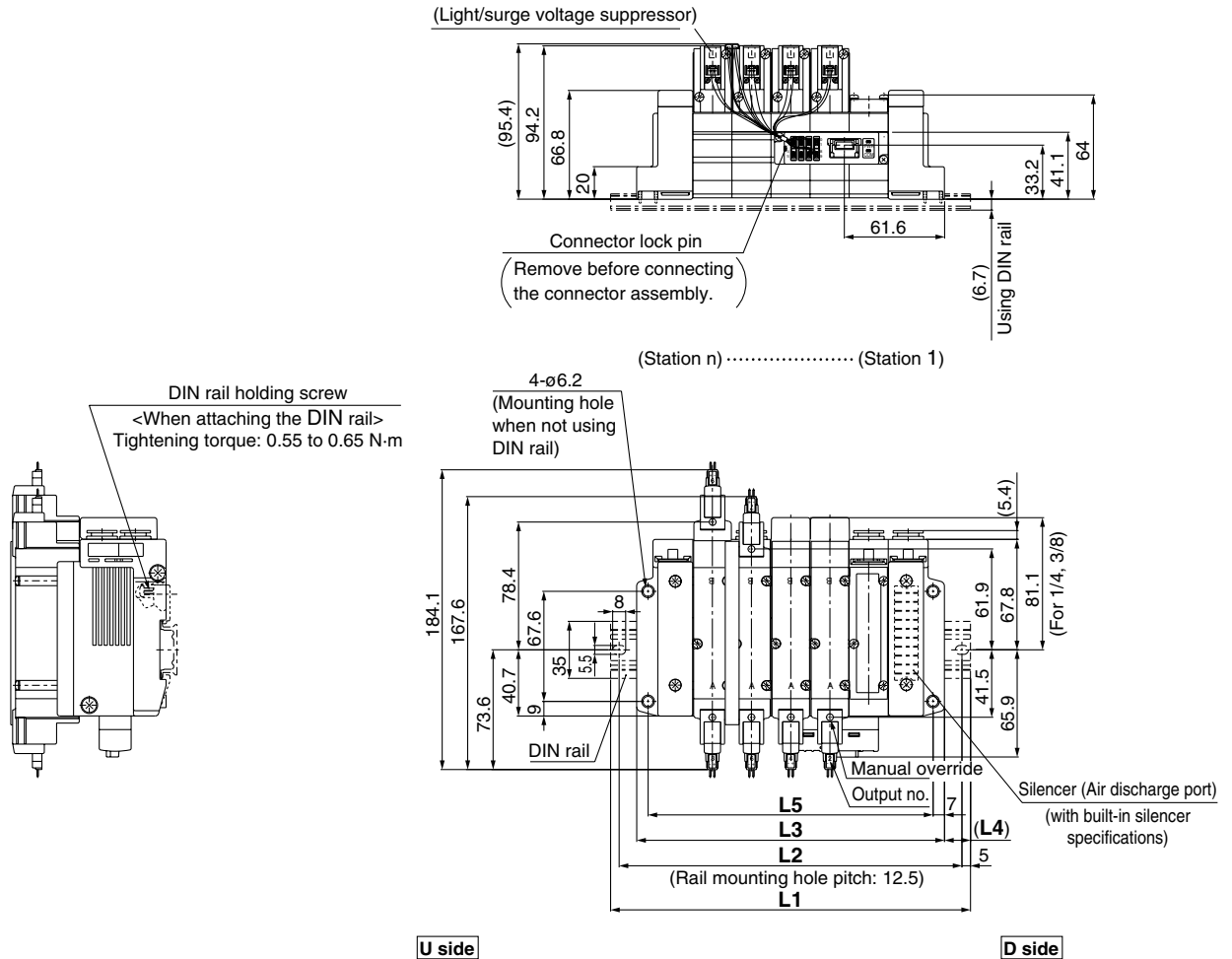


Stations n	3 stations	4	5	6	7	8	b	10 stations
L1	173	198	223	248	260.5	285.5	310.5	335.5
L2	162.5	187.5	212.5	237.5	250	275	300	325
L3	141	165	189	213	237	261	285	309
L4	16	16.5	17	17.5	12	12.5	13	13.5
L5	127	151	175	199	223	247	271	295

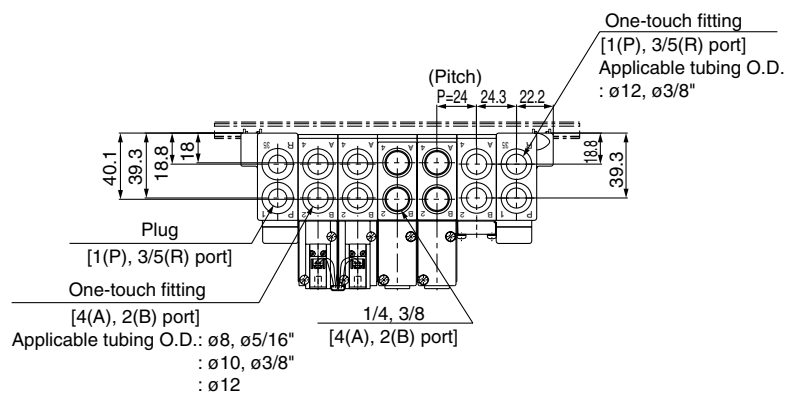
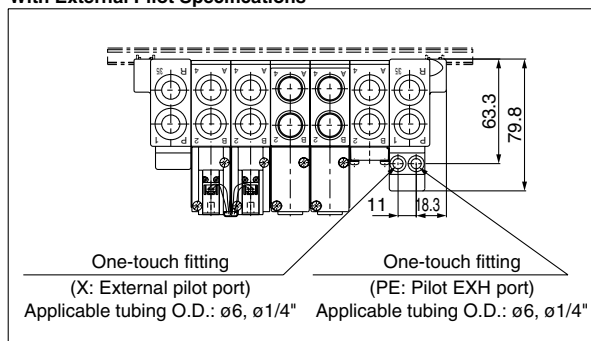
Series SY9000

Dimensions

SY9000: SS5Y9-43SA □ — Stations D □ — □ ^{C8, N9}_{C10, N11} ^{C12} (-D)-Q



With External Pilot Specifications



- * When P and R port outlets are on the D side, the P and R ports on the opposite side are plugged.
- * Air discharge port on the built-in silencer type and the external pilot parts are on the U side.

Stations n	3 stations	4	5	6	7	8	9	10 stations
L1	173	198	223	248	260.5	285.5	310.5	335.5
L2	162.5	187.5	212.5	237.5	250	275	300	325
L3	141	165	189	213	237	261	285	309
L4	16	16.5	17	17.5	12	12.5	13	13.5
L5	127	151	175	199	223	247	271	295

Type **45S6A**

EX510 Serial Wiring Series SY3000/5000

Base Mounted/Stacking Type

How to Order Manifold

SS5Y 3-45S6A U-02 U-C4-Q

Manifold series

3	SY3000
5	SY5000

SI unit COM.

-	+COM.
N	-COM.

SI unit mounting position

U	U side
D	D side

Stations

Symbol	No. of stations	Note
02	2 stations	Double wiring specifications Note 1)
:	:	
08	8 stations	
02	2 stations	Specified layout Note 2) (Up to 16 solenoids possible.)
:	:	
16	16 stations	

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

A, B port size
One-touch fitting (Metric size)

Symbol	One-touch fitting	
C4	One-touch fitting for ø4	SY3000
C6	One-touch fitting for ø6	
M	Mixed	
C4	One-touch fitting for ø4	SY5000
C6	One-touch fitting for ø6	
C8	One-touch fitting for ø8	
M	Mixed	

One-touch fitting (Inch size)

Symbol	One-touch fitting	
N3	One-touch fitting for ø5/32"	SY3000
N7	One-touch fitting for ø1/4"	
M	Mixed	
N3	One-touch fitting for ø5/32"	SY5000
N7	One-touch fitting for ø1/4"	
N9	One-touch fitting for ø5/16"	
M	Mixed	

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

Pilot specifications

-	Internal pilot specification
S	Internal pilot/Built-in silencer
R	External pilot specification
RS	External pilot/Built-in silencer

SUP/EXH block assembly specifications

U	U side	2 to 10 stations
D	D side	
B	Both sides	2 to 16 stations
M	Special specifications *	

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

Note 1) Double wiring specification: Use of a single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.

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

How to Order Valve Manifold Assembly (Example)

Example

SS5Y3-45S6AD-05D-C6-Q ... 1 set (Type 45S6A, 5 station manifold base part no.)

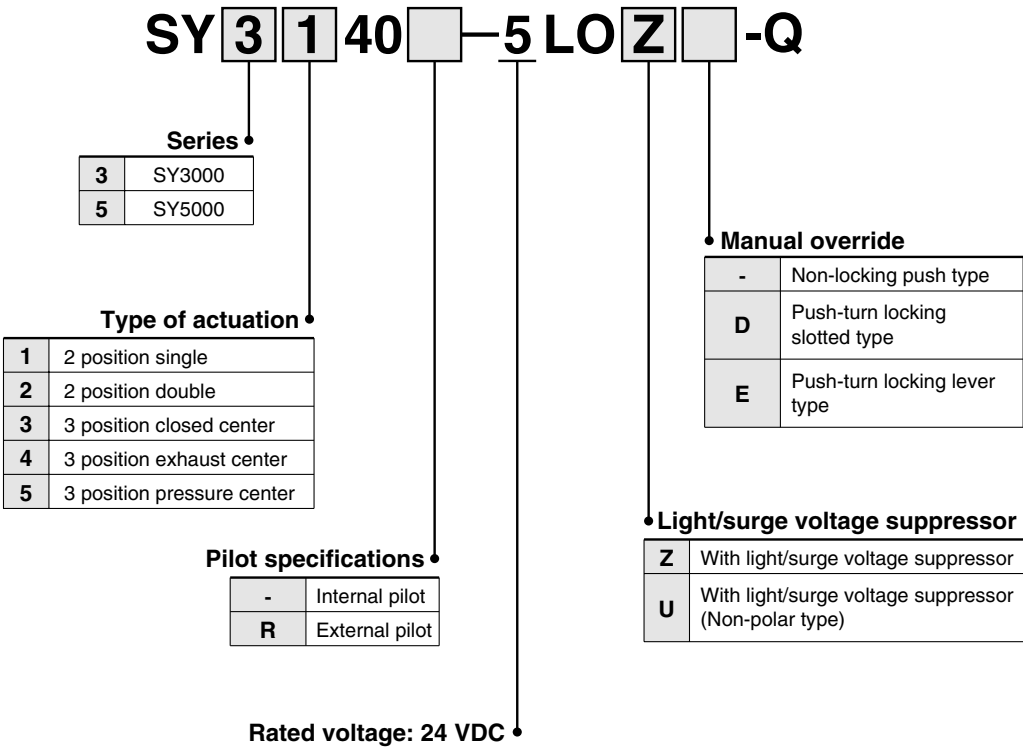
*** SY3140-5LOU-Q ... 3 sets (Single solenoid part no.)**

*** SY3240-5LOU-Q ... 2 sets (Double solenoid part no.)**

→ The asterisk denotes the symbol for assembly. Prefix it to the part nos. of the solenoid valve, etc.

Add the valve and option part number under the manifold base part number. In the case of complex arrangement, specify them on the manifold specification sheet. For a manifold for an EX510, the length of the lead wire for a connector assembly depends on the number of stations. Therefore, the manifold assembly is shipped with the valves (including blanking plates) and connector assembly mounted on it, as the standard specification. Be sure to specify the part nos. of the solenoid valves to be mounted.

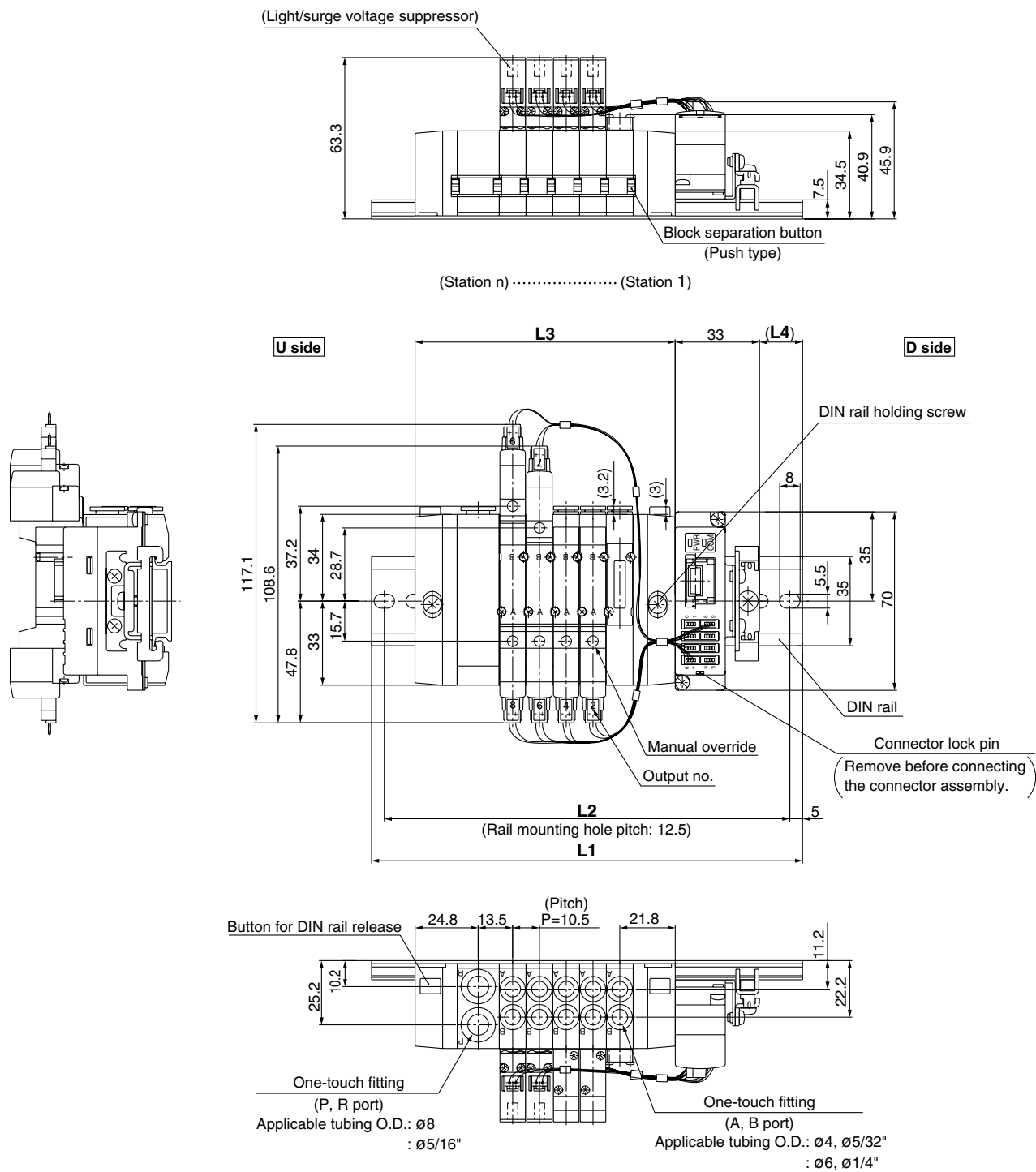
How to Order Valve



Series SY3000/5000

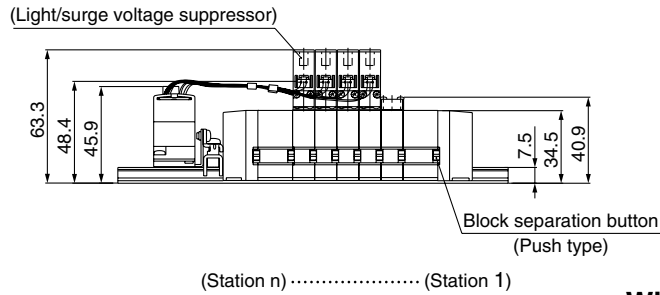
Dimensions

SY3000: SS5Y3-45S6A □ D—Stations U- ^{C4, N3}_{C6, N7}—Q

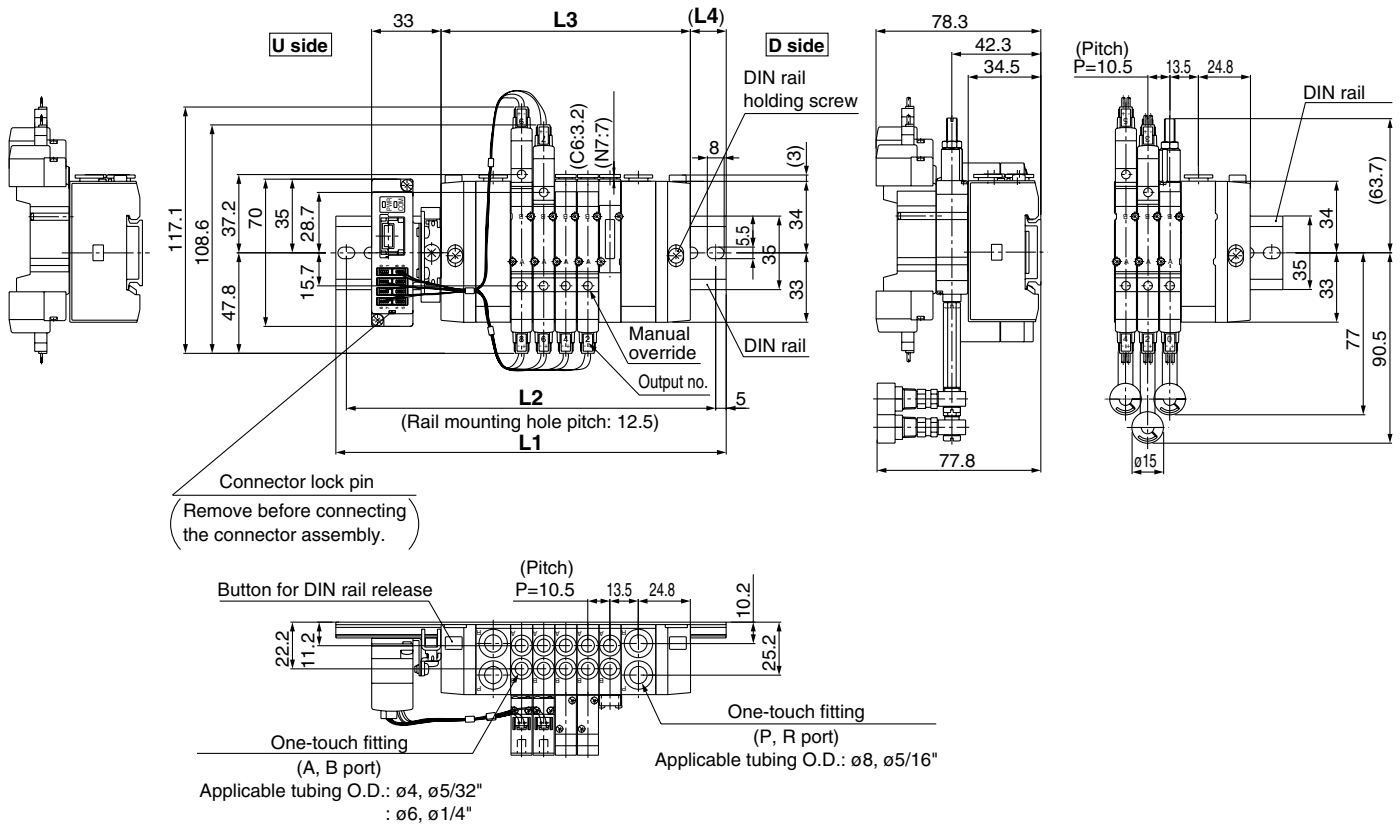


Stations n	2 stations	3	4	5	6	7	8	9	10 stations
L1	135.5	148	148	160.5	173	185.5	198	210.5	223
L2	125	137.5	137.5	150	162.5	175	187.5	200	212.5
L3	70.5	81	91.5	102	112.5	123	133.5	144	154.5
L4	16	17	12	13	14	15	16	17	18

SY3000: SS5Y3-45S6A ☐ **U**—Stations **B**—^{C4, N3}_{C6, N7}—**Q**



With interface regulator (with gauge)

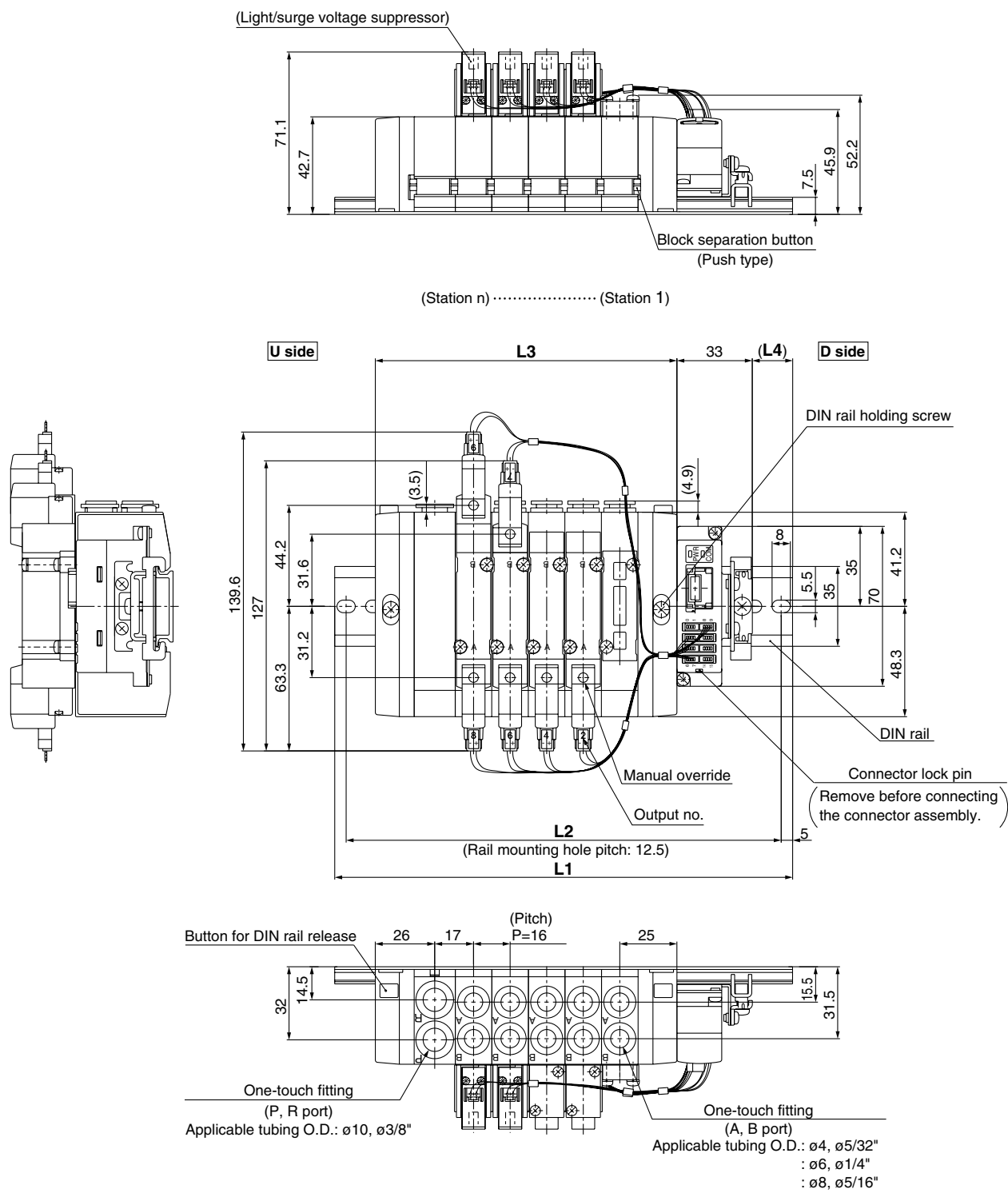


Stations n	2 stations	3	4	5	6	7	8	9	10	11	12	13	14	15	16 stations
L1	148	160.5	173	185.5	185.5	198	210.5	223	235.5	248	260.5	260.5	273	285.5	298
L2	137.5	150	162.5	175	175	187.5	200	212.5	225	237.5	250	250	262.5	275	287.5
L3	87	97.5	108	118.5	129	139.5	150	160.5	171	181.5	192	202.5	213	223.5	234
L4	14	15	16	17	12	13	14	15	16	17	18	12.5	13.5	14.5	15.5

Series SY3000/5000

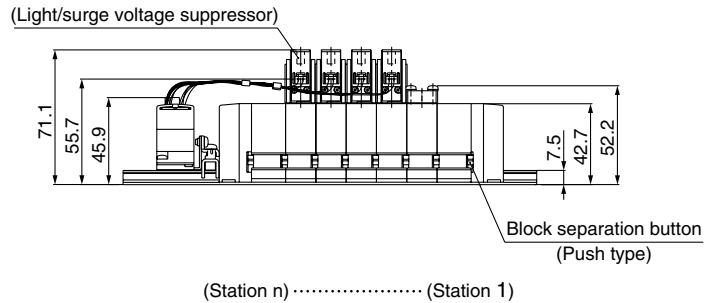
Dimensions

SY5000: SS5Y5-45S6A□D- Stations U-^{C4, N3}_{C6, N7}^{C8, N9}-Q

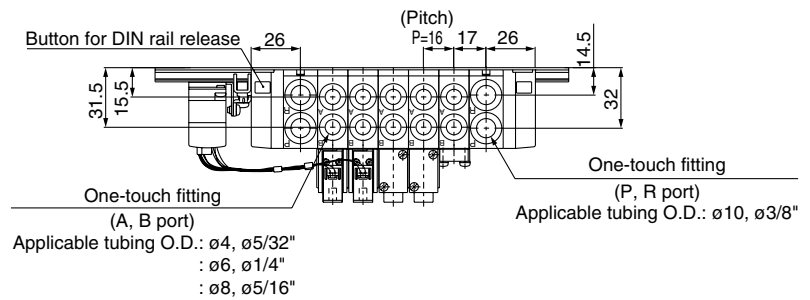
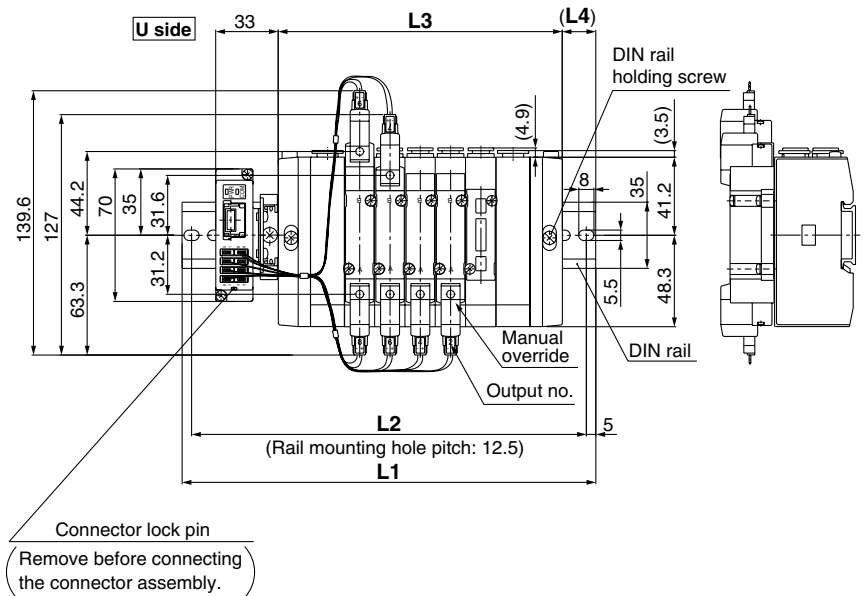
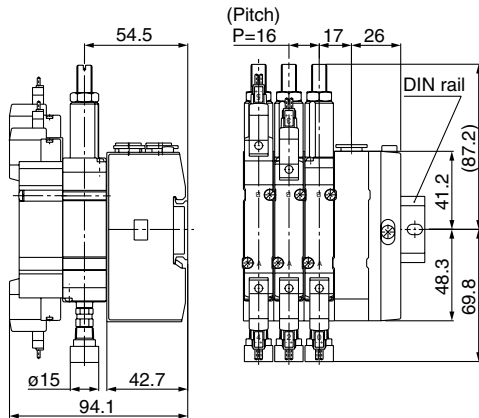


Stations n	2 stations	3	4	5	6	7	8	9	10 stations
L1	148	160.5	173	198	210.5	223	248	260.5	273
L2	137.5	150	162.5	187.5	200	212.5	237.5	250	262.5
L3	84	100	116	132	148	164	180	196	212
L4	15.5	14	12	16.5	15	13	17.5	16	14

SY5000: SS5Y5-45S6A ☐ U—Stations B—^{C4, N3}_{C6, N7}^{C8, N9}—Q



With interface regulator (with gauge)

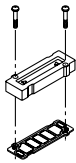


Stations n	2 stations	3	4	5	6	7	8	9	10	11	12	13	14	15	16 stations
L1	160.5	185.5	198	210.5	223	248	260.5	273	298	310.5	323	335.5	360.5	373	385.5
L2	150	175	187.5	200	212.5	237.5	250	262.5	287.5	300	312.5	325	350	362.5	375
L3	102	118	134	150	166	182	198	214	230	246	262	278	294	310	326
L4	13	17.5	15.5	14	12	16.5	15	13	17.5	16	14	12.5	17	15	13.5

Series SY3000/5000/7000/9000

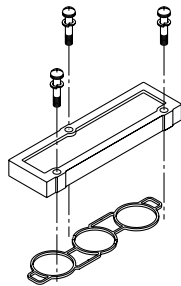
Manifold Option

■ Type SS5Y³₅₋₂₀ SA-Q Blanking plate assembly

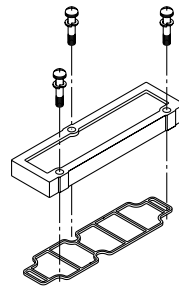


(Configuration varies from among the different Series)

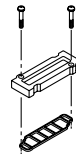
■ Type SS5Y9-23SA-Q Blanking plate assembly



■ Type SS5Y9-43SA-Q Blanking plate assembly



■ Type SS5Y³₅₋₄₅ S6A-Q Blanking plate assembly

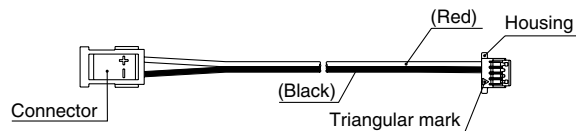


(Configuration varies from among the different Series)

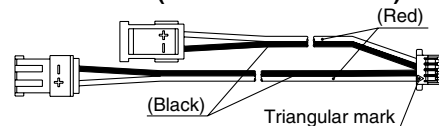
Series	Assembly part no.	Series	Assembly part no.
SS5Y3-20SA-Q	SY3000-26-19A-Q	SS5Y9-23SA-Q	SY9000-26-1A-Q
SS5Y3-42SA-Q	SY3000-26-9A-Q	SS5Y9-43SA-Q	SY9000-26-2A-Q
SS5Y5-20SA-Q	SY5000-26-1A-Q	SS5Y3-45S6A-Q	SX3000-75-1A-Q
SS5Y5-42SA-Q	SY5000-26-20A-Q	SS5Y5-45S6A-Q	SX5000-76-1A-Q
SS5Y7-20SA-Q	SY7000-26-1A-Q		
SS5Y7-42SA-Q	SY7000-26-22A-Q		

■ Connector assembly

For single solenoid (SY3000-37-81A-□-N)



For double solenoid (SY3000-37-81A-□-□)



How to Order Connector Assembly (for a manifold with 8 stations or less with an unspecified layout)

Bar stock type

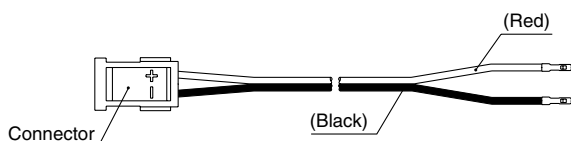
Model	Assembly part no.	Connector mounting position
SS5Y3-²⁰₄₂ SA	SY3000-37-81A-3-N	Single: for 1 to 4 stations
	SY3000-37-81A-3-6	Double/3 position: for 1 to 4 stations
	SY3000-37-81A-2-N	Single: for 5 to 8 stations
	SY3000-37-81A-2-4	Double/3 position: for 5 to 8 stations
SS5Y5-²⁰₄₂ SA	SY3000-37-81A-3-N	Single: for 1 to 8 stations
	SY3000-37-81A-3-6	Double/3 position: for 1 to 8 stations
	SY3000-37-81A-3-N	Single: for 1 to 4 stations
SS5Y7-²⁰₄₂ SA	SY3000-37-81A-3-6	Double/3 position: for 1 to 4 stations
	SY3000-37-81A-4-N	Single: for 5 to 8 stations
	SY3000-37-81A-4-7	Double/3 position: for 5 to 8 stations
	SY3000-37-81A-4-7	Double/3 position: for 5 to 8 stations

Stacking type

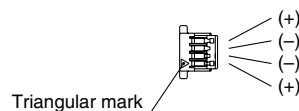
Model	Assembly part no.	Connector mounting position
SS5Y3-45S6A	SY3000-37-81A-3-N	From 1 to 4 station from SI unit side
	SY3000-37-81A-3-3	From 5 to 8 station from SI unit side
	SY3000-37-81A-4-N	From 9 to 12 station from SI unit side
	SY3000-37-81A-4-4	From 13 to 16 station from SI unit side
SS5Y5-45S6A	SY3000-37-81A-4-N	From 1 to 4 station from SI unit side
	SY3000-37-81A-4-4	From 5 to 8 station from SI unit side
	SY3000-37-81A-6-N	From 9 to 12 station from SI unit side
	SY3000-37-81A-6-6	From 13 to 16 station from SI unit side
SS5Y9-²³₄₃ SA	SY3000-37-81A-4-N	Single: for 1 to 4 stations
	SY3000-37-81A-4-9	Double/3 position: for 1 to 4 stations
	SY3000-37-81A-6-N	Single: for 5 to 8 stations
	SY3000-37-81A-6-11	Double/3 position: for 5 to 8 stations

Note) Since these connector assemblies are used when adding stations or for maintenance, there are no part nos. on them.

■ Connector assembly SY3000-37-80A-□



■ Housing (1 set 8 pieces) SY3000-44-3A



How to Order Connector Assembly (for a manifold with a specified layout)

Model	Assembly part no.	Connector mounting position	
SS5Y3- ²⁰ ₄₂ SA	SY3000-37-80A-3	A side	For 1 to 8 stations
	SY3000-37-80A-6	B side	
	SY3000-37-80A-4	A side	For 9 to 16 stations
	SY3000-37-80A-7	B side	
SS5Y5- ²⁰ ₄₂ SA	SY3000-37-80A-3	A side	For 1 to 8 stations
	SY3000-37-80A-6	B side	For 9 to 16 stations
	SY3000-37-80A-7	A side	
	SY3000-37-80A-9	B side	
SS5Y7- ²⁰ ₄₂ SA	SY3000-37-80A-4	A side	For 1 to 8 stations
	SY3000-37-80A-7	B side	For 9 to 16 stations
	SY3000-37-80A-8	A side	
	SY3000-37-80A-11	B side	
SS5Y9- ²³ ₄₃ SA	SY3000-37-80A-6	A side	For 1 to 8 stations
	SY3000-37-80A-11	B side	
	SY3000-37-80A-9	A side	For 9 to 12 stations
	SY3000-37-80A-14	B side	
	SY3000-37-80A-13	A side	For 13 to 16 stations
	SY3000-37-80A-18	B side	
SS5Y3-45S6A	SY3000-37-80A-3	From 1 to 4 station from SI unit side	
	SY3000-37-80A-4	From 5 to 8 station from SI unit side	
	SY3000-37-80A-6	From 9 to 12 station from SI unit side	
	SY3000-37-80A-7	From 13 to 16 station from SI unit side	
SS5Y5-45S6A	SY3000-37-80A-4	From 1 to 4 station from SI unit side	
	SY3000-37-80A-6	From 5 to 8 station from SI unit side	
	SY3000-37-80A-8	From 9 to 12 station from SI unit side	
	SY3000-37-80A-10	From 13 to 16 station from SI unit side	

Note 1) Since these connector assemblies are used when adding stations or for maintenance, there are no part nos. on them.

Note 2) After inserting the connector assembly into the housing, slightly pull the lead wire to make sure it does not pull out. Do not reuse the lead wire once it has been inserted.

Note 3) Please note that the wires are longer than the actual wiring distance.

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