5 Port Solenoid Valve Plug-in Type S0700 Series

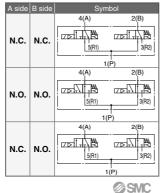
The connection cable and various units for PLC connection in PC wiring systems have been discontinued by the manufacturer. Therefore, while they can no longer be provided, the valve manifold (manifold with built-in valves) can still be ordered. For details, refer to the Web Catalog. 0.35w C[dm³/(s·bar)]: 0.39 Flow rate Power characteristics consumption b: 0.39 Possible to drive cylinders Cv: 0.11 Up to ø25 (At 300 mm/s) Plug-in Type Stacking Base **Slim Compact Bar Base** Maintenance Fieldbus System (Serial Transmission) Compatible Protocols Easy replacement only propp^e with two mounting screws DeviceNet Height CC-Link Ether**CAT** EtherNet/IP Reduced by 20 mm POWERLINK (Compared with plug-in ■ EtherNet/IP[™] and PROFINET are compatible with manifold stacking base wireless systems. • D-sub connector Flat ribbon cable Terminal block box Lead wire Circular connector Installation volume Installation area Approx. 45% reduction Approx. 18% reduction *: 4-station manifold Plug-in manifold Slim compact bar base stacking base [mm]

Plug-in Manifold Variations

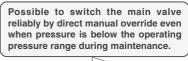
				Serial Tra	Kit nsmission s System)			
		EX180	EX260	EX250	EX600	EX500	EX510	
		For Output	For Output	For Input/Output	For Input/Output	Gateway-type	Gateway-type	
	m Compact r Base	Page 974	<u>-</u>			_	Page 976	1
	ıg-in Type ıcking Base							
			Page 992	Page 994	Page 996	Page 1000		
	DeviceNet	٢	۲	۲	۲		۲	
	PROFII [®] INETI		0		۲			
rk	PROFI [®] TBUST		۲		۲	۲	۲	
two	CC-Link	٢	٢		۲		۲	
Ne	EtherNet/IP		۲	۲	۲	۲		
able	Ether CAT		٢					
Applicable Network	25			٢				
Ap			٢					
	EtherNet/IP™ compatible wireless base				٢			
	PROFINET compatible wireless base				۲			

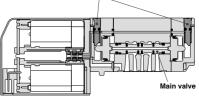
4-Position Dual 3-Port Valve

- •Two 3-port valves in one body.
- Independently operating 3-port valve at each side of A and B.
- Number of stations occupied for 3-port valve halved.
- Available as 4-position 5-port valve.



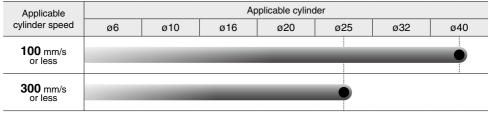
Adopted Direct Manual.



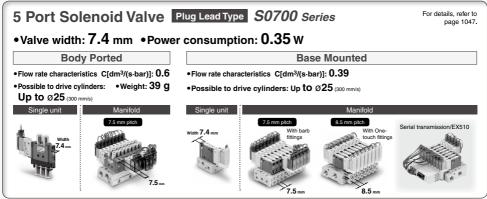


F Kit D-sub Connector	P Kit Flat Ribbon Cable	T Kit Terminal Block Box	L Kit Lead Wire	M Kit Circular Connector
MIL Standard	MIL Standard •26 pins, 20 pins			
		_	_	_
 Page 980 Page 1006	Page 984	Page 1014	Page 1018	Page 1022

Optimum Actuation Size Chart of Air Cylinder



For horizontal operation. Refer to page 972 for calculation conditions.



Variations/Options

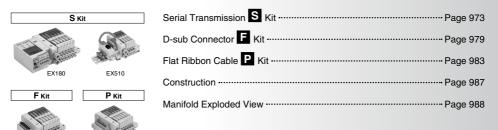
				Slim Compact Bar Base	Plug-in Type Stacking Base						
		Base n	nodel	Page 973	Page 991						
Piping spec.	Port size	1	(P), 3(R)	ø6, ø8, ø1/4", ø5/16"							
Pipi	P	4	(A), 2(B)	ø2, ø3.2, ø4, i	ø1/8", ø5/32"						
			EX510	•	_						
			EX180	٩	_						
		S Kit	EX500		•						
			EX250 EX260	_	•						
ç	_ □		EX260		<u> </u>						
Type of wiring	5	F Kit	D-sub connector	•							
Tune	adki	P Kit	Flat ribbon cable	0	0						
		T Kit	Terminal block box	_	0						
		L Kit	Lead wire	_	۵						
		M Kit	Circular connector	-	۵						
	Blar	nking plate	9	Page 1030	Page 1030						
		ernal pilot		Page 1030	Page 1030						
		Direct EXH outlet with built-in ilencer [-S]		Page 1030	Page 1030						
	Indi	ividual SU	P/EXH spacer	—	Page 1031						
	Indi	ividual SU	P spacer	Page 1031	_						
	Indi	ividual EX	H spacer	Page 1031	—						
	SUF	P block pla	ate	—	Page 1031						
		H block pla		—	Page 1032						
s	Bac [-B]		e check valve	-	Page 1032						
Options			e with output	Page 1032	Page 1032						
	Por	t plug		Page 1033	Page 1033						
			ting bracket	Page 1033	Page 1033						
	mou	olicable to unting		Page 1033	Page 1033						
	Blan KJF	nking plug (F P-02 KQ2	or One-touch fitting) P-23/04/06	Page 1034	Page 1034						
		encer (For		Page 1034	Page 1034						
		me plate[-I 700-N-Statio	N] n (1 to Max. stations)	_	Page 1034						
		al flow fittir		_	Page 1035						
		P/EXH blo		_	Page 1035						
		uble check	block (Separated)	Page 1036	Page 1036						



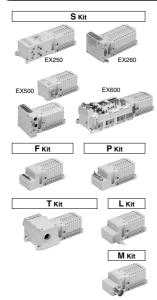
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Manifold Specifications	Page 971
Cylinder Speed Chart, Symbol	······ Page 972

Slim Compact Bar Base



Plug-in Type Stacking Base



Serial Transmission S Kit Page 991
D-sub Connector 🖪 Kit Page 1005
Flat Ribbon Cable P Kit Page 1009
Terminal Block Box T Kit Page 1013
Lead Wire L Kit Page 1017
Circular Connector M Kit Page 1021
Construction Page 1025
Manifold Exploded View Page 1026
Manifold Optional Parts Page 1030
Specific Product Precautions Page 1037



S0700 Series Valve Specifications

Valve Specifications

Model

Time						Flow rate ch	naracteristics			Response *1	
Туре		Type of actuation	Model	1	→4/2 (P→A/E	3)	4/2-	→5/3 (A/B→R1/R2)		time	Weight [g]
		actuation		C[dm3/(s·bar)]	b	Cv	C[dm3/(s·bar)]	b	Cv	[msec]	[9]
	2-position	Single	S0711	0.39	0.39	0.11	0.37	0.39	0.10	18 or less	36
Slim compact Bar base	2-po;	Double	S0721	0.39	0.39	0.11	0.37	0.39	0.10	10 or less	41
Page 973	4-pos.	Dual 3-port valve	S07 ^A C	0.34	0.34	0.09	0.33	0.33	0.08	18 or less	41
	-position	Single	S0710	0.39	0.39	0.11	0.37	0.39	0.10	18 or less	30
Plug-in type Stacking base	2-po	Double	S0720	0.39	0.39	0.11	0.37	0.39	0.10	10 or less	38
Page 991	4-pos.	Dual 3-port valve	S07 ^A C	0.34	0.34	0.09	0.33	0.33	0.08	18 or less	38

*: Values for cylinder port fitting port size C6.

*1: Based on JIS B 8419-2010 (Supply pressure: 0.5 MPa, with indicator light and surge voltage suppressor, clean air. This will change depending on pressure and air quality.) The value when ON for the double type.

Specifications

	Valve construction	Rubbe	er seal						
	Fluid	Air							
	Maximum operating pressure	0.7 MPa							
	Minimum operating pressure	0.2	MPa						
suc	Ambient and fluid temperature	-10 to	50°C*1						
atic	Maximum operating cycle	5	Hz						
Valve specifications	Pilot valve exhaust method	Slim compact Bar base	Plug-in type Stacking base						
Val		Common exhaust*2							
	Pilot valve manual override	Push type							
	Lubrication	Not re	quired						
	Impact/Vibration resistance*3	30/10	0 m/s ²						
	Enclosure	IP	40						
L ns	Coil rated voltage	24 \	/DC						
catic	Allowable voltage fluctuation	±10% of ra	ted voltage						
Electrical specifications	Coil insulation type	Class B or equivalent							
spe	Power consumption (Current) 24 VDC	DC 0.35 \	V (15 mA)						

*1: Use dry air to prevent condensation when operating at low temperatures.

*2: Valves with the external pilot specifications have a pilot EXH with individual exhaust specifications.

*3: Impact resistance: No malfunction occurred when it is tested with a drop tester in the axial direction and at the right angles to the main valve and armature in both energized and deenergized states every once for each condition.

Vibration resistance: No malfunction occurred in a one-sweep test between 8.3 and 2000 Hz. Test was performed at both energized and de-energized states in the axial direction and at the right angles to the main valve and armature.

S0700 Series Manifold Specifications

Manifold Specifications

Model

		Piping spe	cifications		*1	*3	*3
	Base model	Port		Type of connection	Applicable stations	5-station weight [g]	Addition per station [g]
		1(P), 3(R)	4(A), 2(B)		314110113	weigin [g]	per station [g]
	SS0751-0000	C6 (ø6)		S kit: Serial transmission (EX510)	Max. 16 stations	270* ²	19* ⁵
Slim compact Bar base		C8 (ø8) N7 (ø1/4") N9 (ø5/16")	C2 (ø2) C3 (ø3.2) C4 (ø4)	S kit: Serial transmission (EX180)	Max. 32 stations	230* ²	17
		Option (Direct EXH outlet with built-in	N1 (ø1/8") N3 (ø5/32")	F kit: D-sub connector	Max. 24 stations	185	17
	Page 973	silencer)		P kit: Flat ribbon cable	Max. 24 stations	181	17
				S kit: Serial transmission (EX500)	Max. 16 stations	260* ²	20
				S kit: Serial transmission (EX250/260/600)	Max. 24 stations	260*2	20
pe ase		C6 (ø6) C8 (ø8) N7 (ø1/4")	C2 (ø2)	F kit: D-sub connector	Max. 24 stations	330	20
Plug-in type Stacking base	SS0750-000	N9 (ø1/4) N9 (ø5/16") Option (Direct EXH outlet	C3 (ø3.2) C4 (ø4) N1 (ø1/8")	P kit: Flat ribbon cable	Max. 24 stations	325	20
Sta		with built-in silencer)	N3 (ø5/32")	T kit: Terminal block box	Max. 20 stations	660	20
	- (and the second	J		L kit: Lead wire	Max. 24 stations	455* ⁴	20
	Page 991			M kit: Circular connector	Max. 24 stations	390	20

*1: Maximum stations in the case of mixed single and double wiring (special wiring specifications)

*2: Differs depending on the serial unit type.
*3: Weight excluding valve. Refer to page 970 for valve weight.

*4: Weight with lead wire length 0.6 m

*5: Including DIN rail weight

S0700 Series

Cylinder Speed Chart

Applicable	Applicable cylinder												
cylinder speed	ø 6	ø10	ø 16	ø 20	ø 25	ø 32	ø 40	ø 50					
100 mm/s or less							•						
300 mm/s or less					•								
500 mm/s or less		•											

[Common conditions] •Pressure: 0.5 MPa •Piping length: 1 m •Load ratio: 50% •Stroke: 200 mm

*: Use as a guide for selection.

Please confirm the actual conditions with SMC Model Selection Software.

Symbol

Model	Type of actuation	Symbol
S0710 S0711	2-position single	(R1)513(R2) (P)
S0720 S0721	2-position double	(A)(B) 4 2 (R1)513(R2) (P)
S07A0 S07A1	4-position dual 3-port N.C. + N.C. (Exhaust center)	4(A) 2(B) 5(R1) 1(P)
S07B0 S07B1	4-position dual 3-port N.O. + N.O. (Pressure center)	4(A) 2(B) 4(A) 5(R1) 1(P) 2(B) 3(R2)
S07C0 S07C1	4-position dual 3-port N.C. + N.O.	4(A) 2(B) 5(R1) 1(P) 2(B) 3(R2)



Serial Transmission

S Kit

For Output Serial Transmission System **EX180**

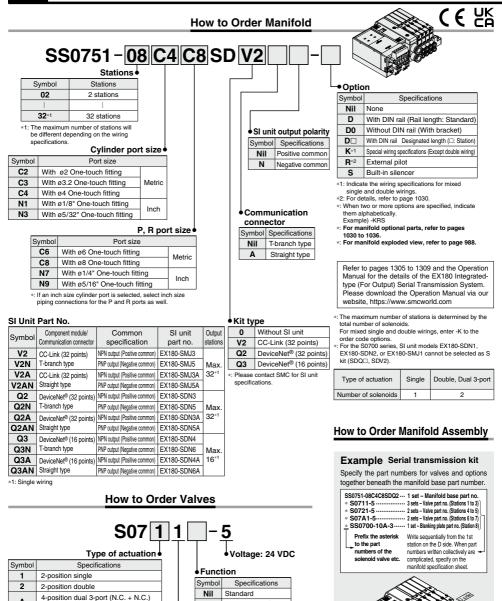
Page 974

Gateway-type Serial Transmission System

EX510

▲ Page 976

S0700 Series Slim Compact Bar Base Kit (Serial Transmission) EX180 (For Output) Serial Transmission System



R External pilot*1 *1: Not compatible with dual 3-port valves. 4-position dual 3-port (N.O. + N.O.)

The 3(R) port is open to the atmosphere (Cannot be used for applying pressure or vacuum)

ÌSMC

Base mounted plug-in

Α

в

С

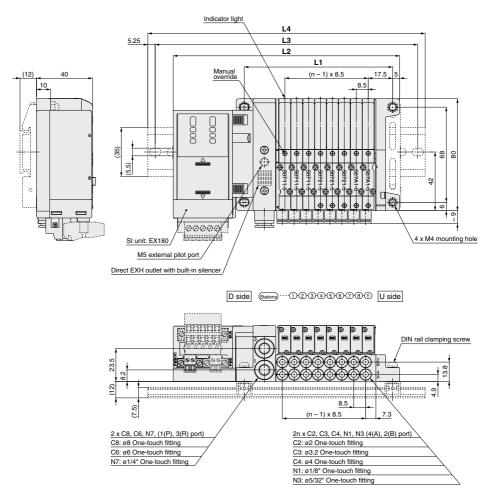
[Exhaust center]

[Pressure center]

*: For symbol, refer to page 972

4-position dual 3-port (N.C. + N.O.)

Slim Compact Bar Base **S0700** Series



*: Dotted line indicates DIN rail mounting bracket (-D).

Dimens	sions								Formula	L1 = 8.5	n + 38, L	2 = 8.5r	ı + 93.7	n: Stati	on (Maxi	mum 32	stations)
L	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
L1	55	63.5	72	80.5	89	97.5	106	114.5	123	131.5	140	148.5	157	165.5	174	182.5	191
L2	110.7	119.2	127.7	136.2	144.7	153.2	161.7	170.2	178.7	187.2	195.7	204.2	212.7	221.2	229.7	238.2	246.7
L3	137.5	150	150	162.5	175	175	187.5	200	200	212.5	225	225	237.5	250	250	262.5	275
L4	148	160.5	160.5	173	185.5	185.5	198	210.5	210.5	223	235.5	235.5	248	260.5	260.5	273	285.5
L	19	20	21	22	23	24	25	26	27	28	29	30	31	32			
L n	19 199.5	20 208	21 216.5	22 225	23 233.5	24 242	25 250.5	26 259	27 267.5	28 276	29 284.5	30 293	31 301.5	32 310			
L	19	-					-			-			-	-			
	199.5	208	216.5	225	233.5	242	250.5	259	267.5	276	284.5	293	301.5	310			
L L1 L2	199.5 255.2	208 263.7	216.5 272.2	225 280.7	233.5 289.2	242 297.7	250.5 306.2	259 314.7	267.5 323.2	276 331.7	284.5 340.2	293 348.7	301.5 357.2	310 365.7			

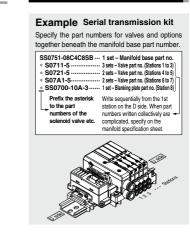


*: If an inch size cylinder port is selected, select inch size piping connections for the P and R ports as well.

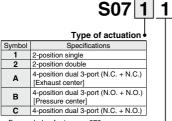


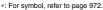
of the EX510 Gateway-type Serial Transmission System. Please down-

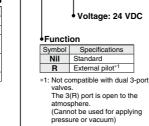
load the Operation Manual via our website, https://www.smcworld.com



How to Order Valves



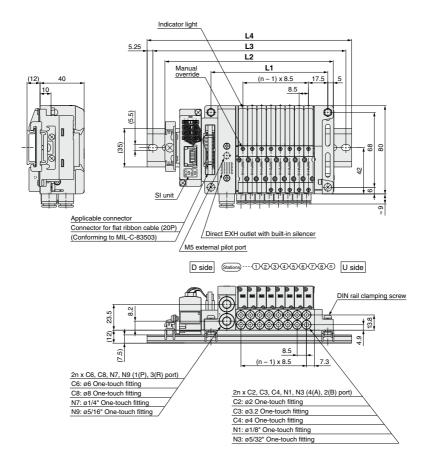




Base mounted plug-in

@SMC

Slim Compact Bar Base **S0700** Series



Dimen	Dimensions Formula L1 = 8.5n + 38, L2 = 8.5n + 84.7 n: Station (Maximum 16 stations														
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L1	55	63.5	72	80.5	89	97.5	106	114.5	123	131.5	140	148.5	157	165.5	174
L2	101.7	110.2	118.7	127.2	135.7	144.2	152.7	161.2	169.7	178.2	186.7	195.2	203.7	212.2	220.7
L3	125	137.5	150	150	162.5	175	175	187.5	200	200	212.5	225	225	237.5	250
L4	135.5	148	160.5	160.5	173	185.5	185.5	198	210.5	210.5	223	235.5	235.5	248	260.5

Slim Compact Bar Base

D-sub Connector

F Kit

(€ ĽŔ

MIL Standard

25 pinsCable length: 1.5 m, 3 m, 5 m

▶ Page 980

S0700 Series Slim Compact Bar Base Kit (D-sub Connector)

- The D-sub connector reduces installation labor for electrical connections.
- Using the D-sub connector (25P), conforming to MIL standard permits the use of connectors put on the market and gives a wide interchangeability.

Electrical Wiring Specifications

Connector

0

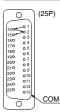
D-sub connector As the standard electrical wiring specifications, double wiring (connected to SOL. A and SOL. B) is adopted for the internal wiring of each station for 12 stations or less, regardless of valve and option types. Mixed single and double wiring is available as an option. For details, refer to Special Wiring Specifications (Option) below.

D-sub connector assembly

	Connector		wire color (AXT100-DS25-030)								
$\left(\circ \right)$	terminal no.	wire	color	AXI100	-DS25-030						
	Terminal r	no. Pol	arity	Lead wire color	Dot marking						
0	SOL.A 1	(-)	(+)	Black	None						
Station 1		(-)	(+)	Yellow	Black						
c	SOL.A 2	(-)	(+)	Brown	None						
Station 2		()	(+)	Pink	Black						
	SOL.A 3	(-)	(+)	Red	None						
Station 3		(-)	(+)	Blue	White						
	SOL.A 4	(-)	(+)	Orange	None						
Station 4		(-)	(+)	Purple	None						
	SOL.A 5	()	(+)	Yellow	None						
Station 5		()	(+)	Gray	None						
o	SOL.A 6	()	(+)	Pink	None						
Station 6		(-)	(+)	Orange	Black						
01-11-2	SOL.A7	(-)	(+)	Blue	None						
Station 7		()	(+)	Red	White						
	SOL.A 8	(-)	(+)	Purple	White						
Station 8		(-)	(+)	Brown	White						
Station 9	SOL.A 9	(-)	(+)	Gray	Black						
Station 9 [()	(+)	Pink	Red						
Station 10		(-)	(+)	White	Black						
Station 10	SOL.B_o 23	(-)	(+)	Gray	Red						
Station 11		()	(+)	White	Red						
Station 11		()	(+)	Black	White						
Station 12		()	(+)	Yellow	Red						
Station 12		()	(+)	White	None						
	COM. o 13	(+)	(-)	Orange	Red						
		Positive COM	Negative COM	e ¹							

*1: Mounting valve has no polarity. It can also be used as a negative common

Special Wiring Specifications (Option) [-K]



Mixed single and double wiring are available as an option. The maximum number of manifold stations is determined by the number of solenoids. Count one point for a single solenoid type and two points for a double solenoid type. The total number of solenoids (points) must not exceed 24 1. How to Order valves

Indicate an option symbol, -K, for the manifold part number and be sure to specify the mounting position and number of stations of the single and double wiring on the manifold specification sheet.

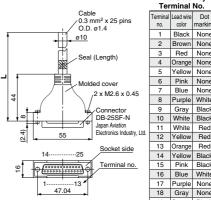
2. Wiring specifications

Connector terminal numbers are connected from solenoid station 1 on the A side in the order indicated by the arrows without skipping any terminal numbers.

Cable Assembly



015



2 Brown None Red 3 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 Black 14 Yellow 15 Pink Black Blue White 16 17 None Purple 18 Gray None 19 Orange Black Red White 20 21 White Brown Pink Red 22 23 Gray Red Black White 24 25 White None

Terminal No.

color marking

Black None

no

1

D-sub Connector Cable Assembly (Option)

Cable length (L)	Assembly part no.	Note		
1.5 m	AXT100-DS25-015	Cable		
3 m	AXT100-DS25-030	0.3 mm ² x		
5 m	AXT100-DS25-050	25 cores		

*: For other commercial connectors, use a 25pin type with female connector conforming

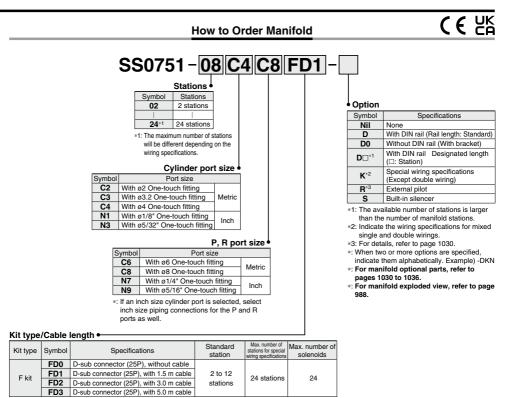
to MIL-C-24308 *: Cannot be used for movable wiring

Electrical Characteristics							
Item	Property						
Conductor resistance Ω/km, 20°C	65 or less						
Voltage limit V, 1 min, AC	1000						
Insulation resistance MΩ/km, 20°C	5 or more						

- Connector manufacturers' example
- Fuiitsu Limited
- Japan Aviation Electronics
- Industry, Limited.
- . J.S.T. Mfg. Co., Ltd. • HIROSE ELECTRIC CO., LTD.

*: The minimum bending inner radius of D-sub connector cable is 20 mm.

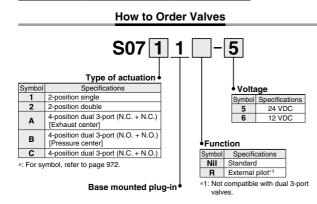




*: The maximum number of stations is determined by the total number of solenoids. For mixed single and double wirings, enter -K to the order code options.

 Type of actuation
 Single
 Double, Dual 3-port

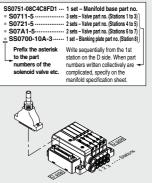
 Number of solenoids
 1
 2



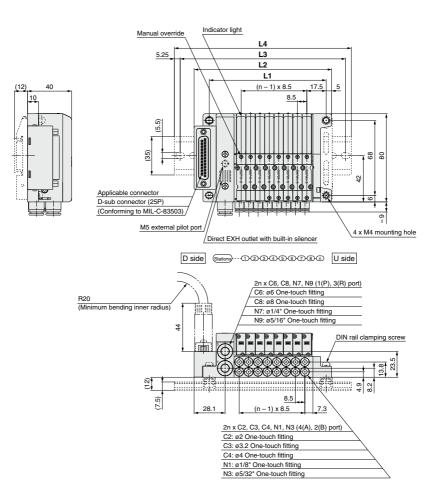
How to Order Manifold Assembly

Example D-sub connector kit

Specify the part numbers for valves and options together beneath the manifold base part number.







Dimen	Dimensions										Formula L1 = 8.5n + 38, L2 = 8.5n + 56.7 n: Station (Maximum 24 stations)												
L _	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	55	63.5	72	80.5	89	97.5	106	114.5	123	131.5	140	148.5	157	165.5	174	182.5	191	199.5	208	216.5	225	233.5	242
L2	73.7	82.2	90.7	99.2	107.7	116.2	124.7	133.2	141.7	150.2	158.7	167.2	175.7	184.2	192.7	201.2	209.7	218.2	226.7	235.2	243.7	252.2	260.7
L3	100	112.5	112.5	125	137.5	137.5	150	162.5	162.5	175	187.5	187.5	200	212.5	212.5	225	237.5	237.5	250	262.5	275	275	287.5
L4	110.5	123	123	135.5	148	148	160.5	173	173	185.5	198	198	210.5	223	223	235.5	248	248	260.5	273	285.5	285.5	298

SMC

Slim Compact Bar Base

Flat Ribbon Cable

P Kit

(€ ^{UK}

MIL Standard

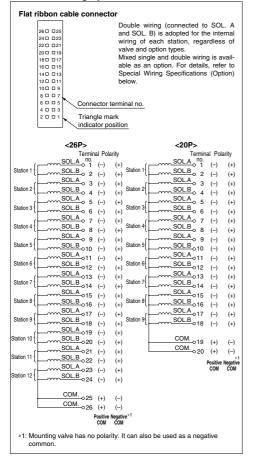
26 pins, 20 pinsCable length: 1.5 m, 3 m, 5 m

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S0700 Series Slim Compact Bar Base Kit (Flat Ribbon Cable)

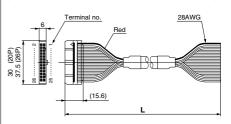
- Flat ribbon cable connector reduces installation labor for electrical connection.
- Using the connector for flat ribbon cable (26P, 20P) conforming to MIL standard permits the use of connectors put on the market and gives a wide interchangeability.

Electrical Wiring Specifications



Cable Assembly AXT100-FC²⁰₂₆

Type 26P flat ribbon cable connector assemblies can be ordered with manifolds. Refer to How to Order Manifold.



Flat Ribbon Cable Connector Assembly (Option)

Cable	Assembly part no.						
length (L)	26P	20P					
1.5 m	AXT100-FC26-1	AXT100-FC20-1					
3 m	AXT100-FC26-2	AXT100-FC20-2					
5 m	AXT100-FC26-3	AXT100-FC20-3					

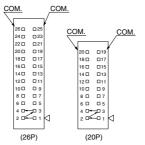
*: For other commercial connectors, use a 20- or 26-pin type with strain relief conforming to MIL-C-83503.

* Cannot be used for movable wiring

Connector manufacturers' example

- HIROSE ELECTRIC CO., LTD. 3M Japan Limited Fujitsu Limited
- Japan Aviation Electronics Industry, Limited • J.S.T. Mfg. Co., Ltd.
- Oki Electric Cable Co., Ltd

Special Wiring Specifications (Option) [-K]



Mixed single and double wiring are available as an option. The maximum number of manifold stations is determined by the number of solenoids. Count one point for a single solenoid type and two points for a double solenoid type. The total number of solenoids (points) must not exceed 24 for 26P, 18 for 20P

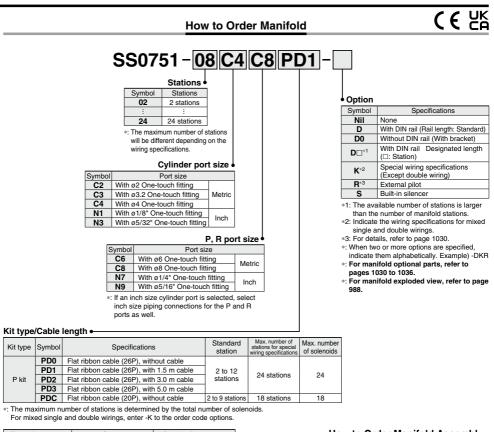
1 How to Order valves

Indicate an option symbol, -K, for the manifold part number and be sure to specify the mounting position and number of stations of the single and double wiring on the manifold specification sheet

2. Wiring specifications

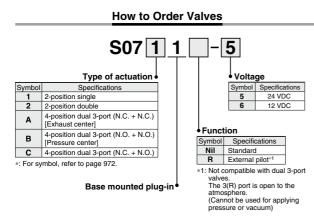
Connector terminal numbers are connected from solenoid station 1 on the A side in the order indicated by the arrows without skipping any terminal numbers.





SMC

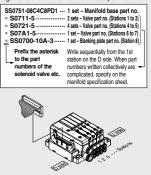
Type of actuation	Single	Double, Dual 3-port
Number of solenoids	1	2



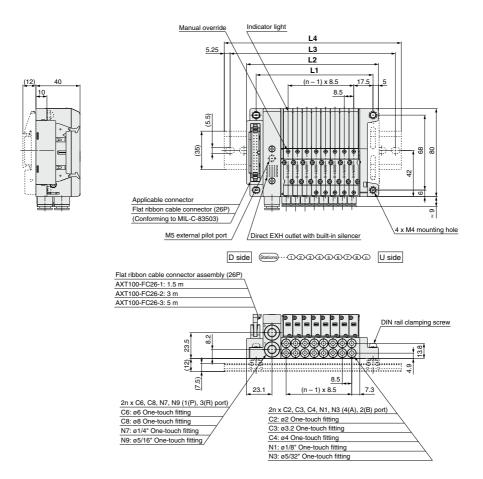
How to Order Manifold Assembly

Example Flat ribbon cable kit

Specify the part numbers for valves and options together beneath the manifold base part number.





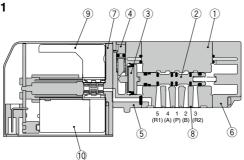


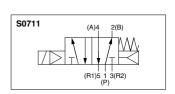
Dimen	Dimensions Formula L1 = 8.5n + 38, L2 = 8.5n + 51.7 n: Station (Maximum 24 station										ations)												
L n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	55	63.5	72	80.5	89	97.5	106	114.5	123	131.5	140	148.5	157	165.5	174	182.5	191	199.5	208	216.5	225	233.5	242
L2	68.7	77.2	85.7	94.2	102.7	111.2	119.7	128.2	136.7	145.2	153.7	162.2	170.7	179.2	187.7	196.2	204.7	213.2	221.7	230.2	238.7	247.2	255.7
L3	100	100	112.5	125	137.5	137.5	150	150	162.5	175	175	187.5	200	200	212.5	225	225	237.5	250	250	262.5	275	275
L4	110.5	110.5	123	135.5	148	148	160.5	160.5	173	185.5	185.5	198	210.5	210.5	223	235.5	235.5	248	260.5	260.5	273	285.5	285.5

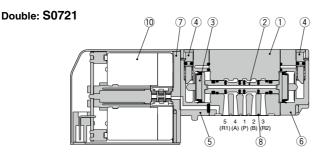
SMC

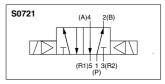
Construction

Single: S0711

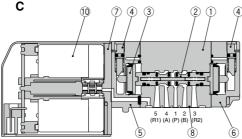








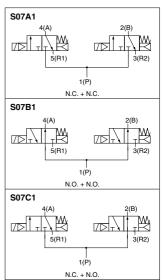
A Dual 3-Port: S07B1



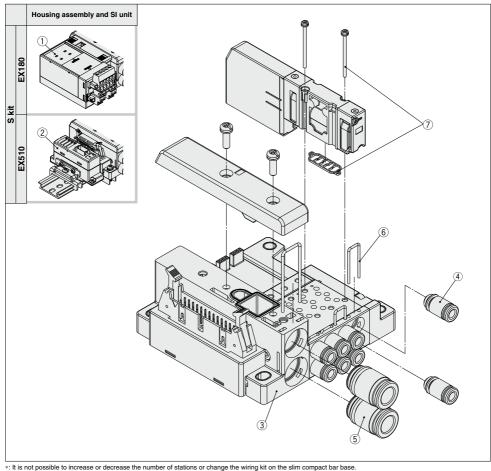
Component Parts

No.	Description	Material
1	Body	Zinc die-casted
2	Spool	Aluminum
3	Piston	Resin
4	Manual override	Resin
5	Adapter plate	Resin
6	End plate	Resin
7	Pilot spacer	Resin
8	Interface gasket	HNBR
9	Plate	Resin
10	Pilot valve assembly *1	—

*1: Please consult with SMC for pilot valve replacement.



S0700 Series Slim Compact Bar Base Manifold Exploded View

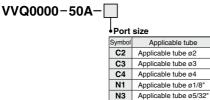


To change them, please change the entire base unit

Manifold Assembly Part No.

		2.1			
No.	Description	Part no.	Note		
		EX180-SDN3	DeviceNet® 32 outputs NPN (positive common) T-branch type communication connector		
		EX180-SDN3A	DeviceNet® 32 outputs NPN (positive common) Straight type communication connector		
		EX180-SDN4	DeviceNet® 16 outputs NPN (positive common) T-branch type communication connector		
		EX180-SDN4A	DeviceNet® 16 outputs NPN (positive common) Straight type communication connector		
		EX180-SMJ3	CC-Link 32 outputs NPN (positive common) T-branch type communication connector		
	SI unit	EX180-SMJ3A	CC-Link 32 outputs NPN (positive common) Straight type communication connector		
\cup	Si unit	EX180-SDN5	DeviceNet® 32 outputs PNP (negative common) T-branch type communication connector		
		EX180-SDN5A	DeviceNet® 32 outputs PNP (negative common) Straight type communication connector		
		EX180-SDN6	DeviceNet® 16 outputs PNP (negative common) T-branch type communication connector		
		EX180-SDN6A	DeviceNet® 16 outputs PNP (negative common) Straight type communication connector		
		EX180-SMJ5	CC-Link 32 outputs PNP (negative common) T-branch type communication connector		
		EX180-SMJ5A	CC-Link 32 outputs PNP (negative common) Straight type communication connector		
0	Chumit	EX510-S002A	NPN (Positive common)		
2	SI unit	EX510-S102A	PNP (Negative common)		
3	Base unit	SS0751-			

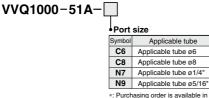
④ Fitting assembly part number for cylinder port



*: Purchasing order is available in units of 10 pieces.

*: For One-touch fittings replacement, refer to Specific Product Precautions 2.

5 Fitting assembly part number for P, R port



- *: Purchasing order is available in units of 10 pieces.
- *: For One-touch fittings replacement, refer to Specific Product Precautions 2.

No.	Description	Part no.
6	Clip	SS0700-80A-5

*: 1 set includes 10 pieces.

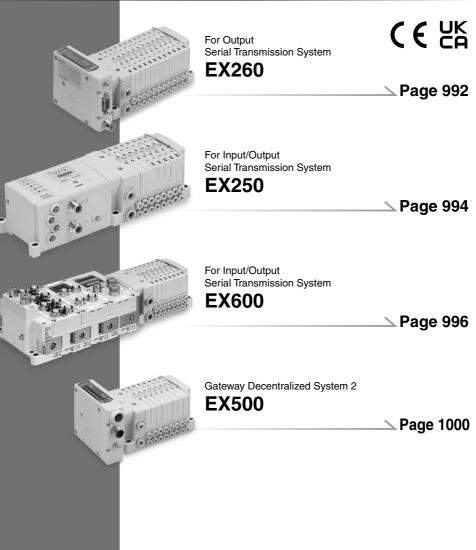
No.	Description	Part no.
\bigcirc	Gasket, Screw	S0700-GS-3

*: 1 set includes 10 pieces. (1 gasket, 2 screws)

Plug-in Type Stacking Base

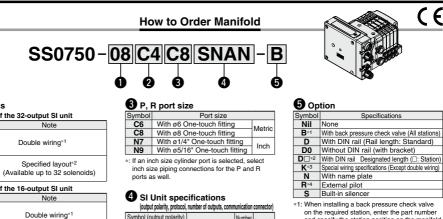
Serial Transmission

S Kit



Plug-in Type

S0700 Series Stacking Base Kit (Serial Transmission) EX260 (For Output) Serial Transmission System



Stations

In the case of the 32-output SI unit										
Symbol	Stations	Note								
01	1 station									
1	:	Double wiring ^{*1}								
16	16 stations	-								
01	1 station	Specified layout*2								
1	:	(Available up to 32 solenoids)								
24	24 stations	(Available up to 32 soleholds)								

In the case of the 16-output SI unit

Symbol	Stations	
01	1 station	
:	:	Double wiring ^{*1}
08	8 stations	
01	1 station	Specified layout*2
:	:	(Available up to 16 solenoids)
16	16 stations	(Available up to 16 solenoids)

*1: Double wiring : single, double, 3-position and 4-position solenoid valves can be used on all manifold stations.

Up to 24 stations due to the structure of the manifold. Please note the maximum number of stations is 24 for single wiring, too.

- *2: Specified layout: Indicate the wiring specifications with the manifold specification sheet. (Note that double,3-position and 4-position valves cannot be used where single solenoid wiring has been specified.)
- *: This also includes the number of blanking plate assembly.

2 Cylinder port size

Symbol	Port size	
C2	With ø2 One-touch fitting	
C3	With ø3.2 One-touch fitting	Metric
C4	With ø4 One-touch fitting	weulc
CM	Mixed sizes and with port plug*1	
N1	With ø1/8" One-touch fitting	
N3	With ø5/32" One-touch fitting	Inch
NM	Mixed sizes and with port plug*1	

*1: Specify Mixed sizes and with port plug on the manifold specification sheet.

(onthat b	ioiarity, protocol,	number of outputs, comm	unication	connector	
Symbol (out Positive common (NPN)	put polarity) Negative common (NPN)	Protocol	Number of outputs	Communication connector	
SD	0 *1	Without	SI unit		
SQA	SQAN	DeviceNet®	32	M12	
SQB	SQAN	Devicemet	16	IVI 12	
SNA	SNAN		32	M12	
SNB	SNBN	PROFIBUS	16	IVITZ	
SNC	SNCN	DP	32	*4	
SND	SNDN		16	D-sub	
SVA	SVAN	CC-Link	32	M12	
SVB	SVBN	00-Link	16	IVITZ	
SDA	SDAN	EtherCAT	32	M12	
SDB	SDBN	LUIGIOAT	16		
SFA	SFAN	PROFINET	32	M12	
SFB	SFBN		16	IVITZ	
SEA	SEAN	EtherNet/IP™	32	M12	
SEB	SEBN		16	10112	
*3	SGAN	Ethernet	32	M12	
*3	SGBN	POWERLINK	16	1112	

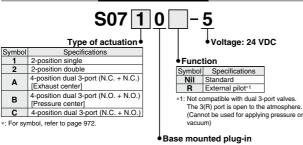
*1: Without SI Unit, the output polarity is decied by the SL unit used

- *2: DIN rail cannot be mounted without SI Unit.
- *3: Positive common (NPN) type is not applicble. *4: IP40 for the D-sub applicable communication
- connector specification. *5: The maximum number of stations is
- determined by the total number of solenoids. For mixed single and double wirings, enter -K to the order code options.

*6: For SI unit part number, refer to page 1027.				
Type of actuation		Double, Dual 3-port		
Number of solenoids	1	2		

≥ SMC

How to Order Valves



Symbol	Specifications
Nil	None
B *1	With back pressure check valve (All stations)
D	With DIN rail (Rail length: Standard)
D0	Without DIN rail (with bracket)
D []*2	With DIN rail Designated length (: Station)
K*3	Special wiring specifications (Except double wiring)
N	With name plate
R *4	External pilot
S	Built-in silencer

and specify the station position on the manifold specification sheet

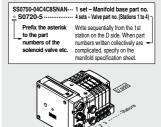
- *2: The available number of stations is larger than the number of manifold stations.
- *3: Indicate the wiring specifications for mixed single and double wirings.
- *4: For details, refer to page 1030.
- *: When two or more options are specified, indicate them alphabetically. Example) -BKN
- *: For manifold optional parts, refer to pages 1030 to 1036.
- * For manifold exploded view refer to page 1026
- * When the SD0 (Without SI unit) is specified. -D. -D cannot be selected.

Refer to pages 1311 to 1339 and the Operation Manual for the details of the EX260 Integratedtype (For Output) Serial Transmission System. Please download the Operation Manual via our website, https://www.smcworld.com

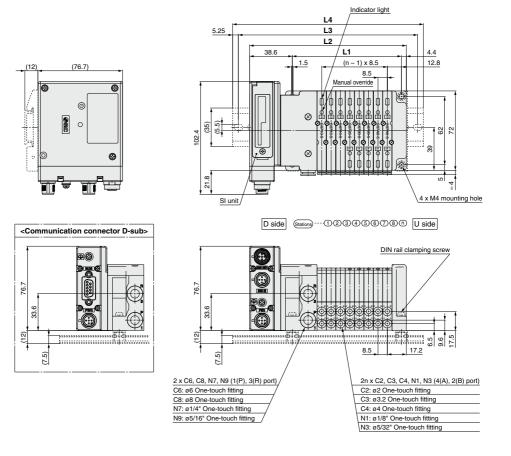
How to Order Manifold Assembly

Example Serial transmission kit

Specify the part numbers for valves and options together beneath the manifold base part number.



Plug-in Type Stacking Base EX260 (For Output) Serial Transmission System S0700 Series



Dimensions

Formula L1 = 8.5n + 31, L2 = 8.5n + 74 n: Station (Maximum 24 stations)

Ln	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L1	39.5	48	56.5	65	73.5	82	90.5	99	107.5	116	124.5	133	141.5	150	158.5	167
L2	82.5	91	99.5	108	116.5	125	133.5	142	150.5	159	167.5	176	184.5	193	201.5	210
L3	112.5	112.5	125	137.5	137.5	150	162.5	162.5	175	187.5	187.5	200	212.5	212.5	225	237.5
L4	123	123	135.5	148	148	160.5	173	173	185.5	198	198	210.5	223	223	235.5	248

L	17	18	19	20	21	22	23	24
L1	175.5	184	192.5	201	209.5	218	226.5	235
L2	218.5	227	235.5	244	252.5	261	269.5	278
L3	250	250	262.5	275	275	287.5	300	300
L4	260.5	260.5	273	285.5	285.5	298	310.5	310.5

Plug-in Type

S0700 Series Stacking Base

Kit (Serial Transmission) EX250 (For Input/Output) Serial Transmission System





SS0750-08 C4 C8 SDQ

Stations

Symbol	Stations
01	1 station
:	:
24 *1	24 stations

*1: The maximum number of stations will be different depending on the wiring specifications.

2 Cylinder port size

Symbol	Port size	
C2	With ø2 One-touch fitting	
C3	With ø3.2 One-touch fitting	Metric
C4	With ø4 One-touch fitting	weinc
СМ	Mixed sizes and with port plug*1	
N1	With ø1/8" One-touch fitting	
N3	With ø5/32" One-touch fitting	Inch
NM	Mixed sizes and with port plug*1	

*1: Specify "Mixed sizes and with port plug" on the manifold specification sheet

3 P. R port size

A Kit type

Symbol	Port size	
C6	With ø6 One-touch fitting	Metric
C8	With ø8 One-touch fitting	weinc
N7	With ø1/4" One-touch fitting	Inch
N9	With ø5/16" One-touch fitting	men

*: If an inch size cylinder port is selected, select inch size piping connections for the P and R ports as well.

5 SI unit output polarity

SI unit common		EX250						
		DeviceNet [®]	AS-Interface	EtherNet/IP™				
Nil	Positive common	—	—	—				
Ν	N Negative common O O O							
*· W	ithout SL unit (SD0) th	e symbol is nil						

Input block (for I/O unit only)

Symbol	Specifications
Nil	SI unit/Input block: None (SD0)
0	Input block: None
1	Input block: 1 pc.
:	:
8	Input block: 8 pcs.

*: Without SI unit (SD0), the symbol is nil.

Input block type (for I/O unit only)

Symbol	Specifications
Nil	Input block: None
1	M12 2 inpute

1	M12 2 inputs
2	M12 4 inputs

*: Without SI unit (SD0), the symbol is nil

3

Input block specification (for I/O unit only)

M8 4 inputs (3 pins)

Symbol	Specifications
Nil	PNP sensor input or without input block
N	NPN sensor input

SMC

*: Without SI unit (SD0), the symbol is nil.

	Kit type	*1 Symbol	Specifications	Standard station	Max. number of stations for special wiring specifications	Max. number of solenoids
		SD0	Without SI unit	4 1- 40	24*2	
		SDQ	DeviceNet [®]	1 to 16 stations	24°2 stations	32
	For I/O	SDZEN	EtherNet/IP™	Stations	Stations	
S kit	serial	SDTA	AS-Interface, 8 in/8 out, 2 isolated common type	1 to 4 stations	8 stations	8
	transmission	SDTB	AS-Interface, 4 in/4 out, 2 isolated common type	1 to 2 stations	4 stations	4
		SDTC	AS-Interface, 8 in/8 out, 1 common type	1 to 4 stations	8 stations	8
		SDTD	AS-Interface, 4 in/4 out, 1 common type	1 to 2 stations	4 stations	4

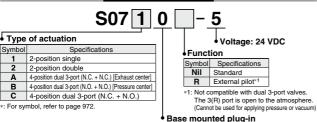
*1: For SI unit part number, refer to page 1027.

*2: Up to 24 stations due to the structure of the manifold. Please note the maximum number of stations is 24 for single wiring, too. *: The maximum number of stations is determined by the total number of solenoids.

For mixed single and double wirings, enter -K to the order code options.

Type of actuation	Single	Double, Dual 3-port
Number of solenoids	1	2





Option

Symbol	Specifications
Nil	None
B *1	With back pressure check valve (All stations)
D *5	With DIN rail (Rail length: Standard)
D0*5	Without DIN rail (With bracket)
D □*2 *5	With DIN rail Designated length (: Station)
K ∗3	Special wiring specifications (Except double wiring)
N	With name plate
R *4	External pilot
S	Built-in silencer

- *1: When installing a back pressure check valve on the required station, enter the part number and specify the station position on the manifold specification sheet
- *2: The available number of stations is larger than the number of manifold stations. *3: Indicate the wiring specifications for mixed single
- and double wirings
- *4: For details, refer to page 1030.
 *5: When the SD0 (Without SI unit) is specified, -D,
- -D cannot be selected.
- *: When two or more options are specified, indicate them alphabetically. Example) -BKN
- *: For manifold optional parts, refer to pages 1030 to 1036. *: For manifold exploded view, refer to page 1026.
- Refer to pages 1341 to 1364 and the Operation Manual for the details of the EX250 Integrated-type (For Output) Serial Transmission System, Please download the Operation Manual via our website. https://www.smcworld.com

How to Order Manifold Assembly

Example Serial transmission kit

Specify the part numbers for valves and options together beneath the manifold base part number.

* S0710-5 * S0720-5 * S07A0-5	1 set – Manifold base part no. 3 sets – Valve part no. (Stations 1 to 3) 2 sets – Valve part no. (Stations 4 to 5) 2 sets – Valve part no. (Stations 6 to 7) 1 set – Blanking plate part no. (Station 8)
Prefix the asterisk to the part numbers of the solenoid valve etc.	Write sequentially from the 1st station on the D side. When part numbers written collectively are - complicated, specify on the manifold specification sheet.

Symbol

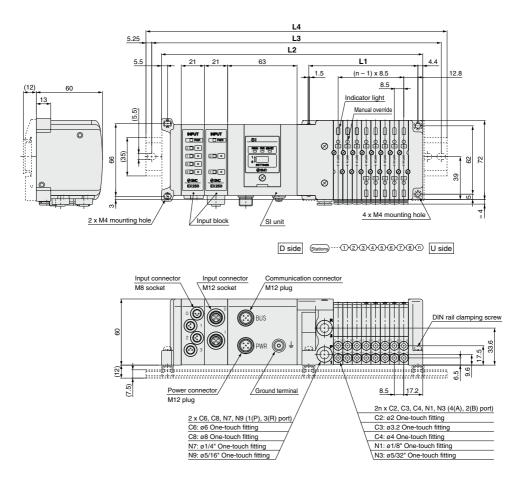
2

A

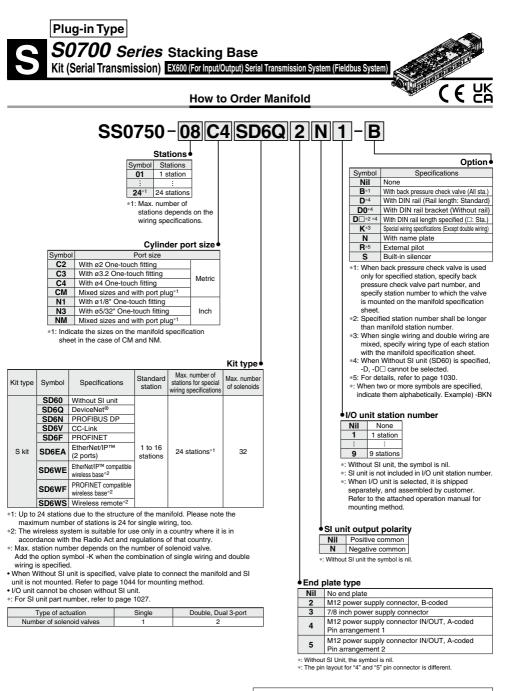
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C

Plug-in Type Stacking Base EX250 (For Input/Output) Serial Transmission System S0700 Series



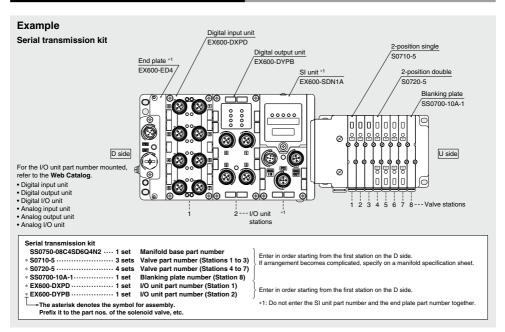
Dimen	sions	Fo	ormula L1	= 8.5n + 3	31, L2 = 8.	5n + 169 (In the cas	e of 2 inpu	t blocks, 2	21 mm is a	dded per	1 pc.) n: \$	Station (M	aximum 2	4 stations)
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L1	48	56.5	65	73.5	82	90.5	99	107.5	116	124.5	133	141.5	150	158.5	167
L2	186	194.5	203	211.5	220	228.5	237	245.5	254	262.5	271	279.5	288	296.5	305
L3	212.5	225	225	237.5	250	250	262.5	275	275	287.5	300	300	312.5	325	325
L4	223	235.5	235.5	248	260.5	260.5	273	285.5	285.5	298	310.5	310.5	323	335.5	335.5
_	r	r	r	r	r	r	r	r							
L n	17	18	19	20	21	22	23	24							
L1	175.5	184	192.5	201	209.5	218	226.5	235							
L2	313.5	322	330.5	339	347.5	356	364.5	373							
L3	337.5	350	350	362.5	375	387.5	387.5	400							
L4	348	360.5	360.5	373	385.5	398	398	410.5							



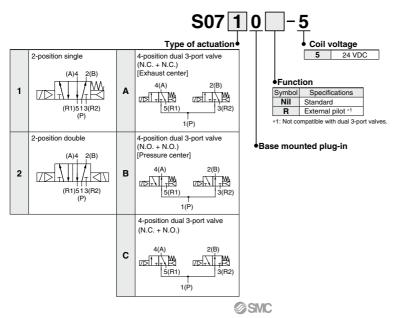
Refer to pages 1393 to 1440 and the Operation Manual for the details of the EX600 Integrated-type (For Output) Serial Transmission System. Please download the Operation Manual via our website, https://www.smcworld.com



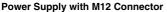
How to Order Manifold Assembly (Example)

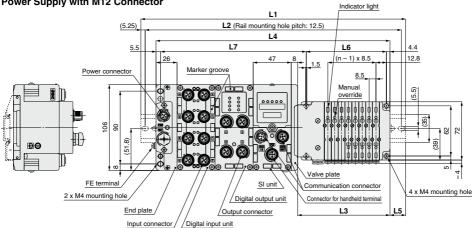


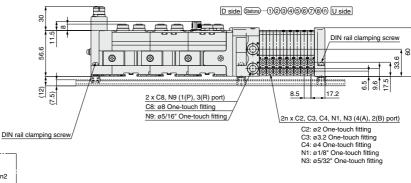




Plug-in Type S0700 Series Stacking Base Kit (Serial Transmission) EX600 (For Input/Output) Serial Transmission System (Fieldbus System)







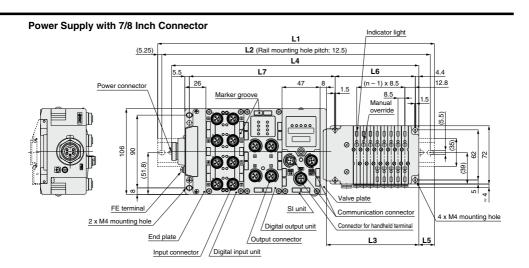
L2 = L1 - 10.5
L3 = 8.5 x n1 + 46
L4 = L3 + 81 + 47 x n2
L5 = (L1 - L4)/2
L6 = 8.5 x n1 + 31
L7 = 47 x n2 + 86.1

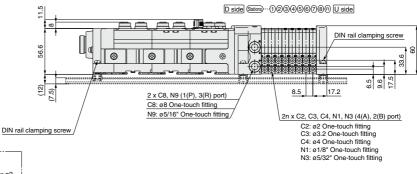
L1: DIN Rail Overall Length

I/O stations unit (n1) stations (n2)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	173	185.5	185.5	198	210.5	210.5	223	235.5	235.5	248	260.5	260.5	273	285.5	285.5	298	310.5	310.5	323	335.5	335.5	348	360.5	373
1	223	223	235.5	248	248	260.5	273	273	285.5	298	298	310.5	323	323	335.5	348	360.5	360.5	373	385.5	385.5	398	410.5	410.5
2	260.5	273	285.5	285.5	298	310.5	310.5	323	335.5	348	348	360.5	373	373	385.5	398	398	410.5	423	423	435.5	448	448	460.5
3	310.5	323	335.5	335.5	348	360.5	360.5	373	385.5	385.5	398	410.5	410.5	423	435.5	435.5	448	460.5	460.5	473	485.5	485.5	498	510.5
4	360.5	373	373	385.5	398	398	410.5	423	423	435.5	448	448	460.5	473	473	485.5	498	498	510.5	523	535.5	535.5	548	560.5
5	410.5	410.5	423	435.5	435.5	448	460.5	460.5	473	485.5	485.5	498	510.5	523	523	535.5	548	548	560.5	573	573	585.5	598	598
6	448	460.5	473	473	485.5	498	510.5	510.5	523	535.5	535.5	548	560.5	560.5	573	585.5	585.5	598	610.5	610.5	623	635.5	635.5	648
7	498	510.5	523	523	535.5	548	548	560.5	573	573	585.5	598	598	610.5	623	623	635.5	648	648	660.5	673	673	685.5	698
8	548	560.5	560.5	573	585.5	585.5	598	610.5	610.5	623	635.5	635.5	648	660.5	660.5	673	685.5	698	698	710.5	723	723	735.5	748
9	598	598	610.5	623	623	635.5	648	648	660.5	673	685.5	685.5	698	710.5	710.5	723	735.5	735.5	748	760.5	760.5	773	785.5	785.5

SMC

Plug-in Type Stacking Base **S0700** Series **EX600** (For Input/Output) Serial Transmission System (Fieldbus System)





L2 = L1 - 10.5
L3 = 8.5 x n1 + 46
L4 = L3 + 97.5 + 47 x n2
L5 = (L1 - L4)/2
L6 = 8.5 x n1 + 31
L7 = 47 x n2 + 86.1

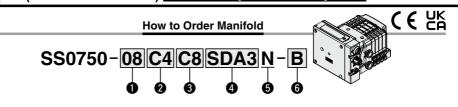
L1: DIN Rail Overall Length

Valve I/O stations unit (n1) stations (n2)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0	185.5	198	210.5	210.5	223	235.5	235.5	248	260.5	260.5	273	285.5	285.5	298	310.5	310.5	323	335.5	335.5	348	360.5	360.5	373	385.5
1	235.5	248	248	260.5	273	273	285.5	298	298	310.5	323	323	335.5	348	348	360.5	373	385.5	385.5	398	410.5	410.5	423	435.5
2	285.5	285.5	298	310.5	310.5	323	335.5	335.5	348	360.5	373	373	385.5	398	398	410.5	423	423	435.5	448	448	460.5	473	473
3	323	335.5	348	360.5	360.5	373	385.5	385.5	398	410.5	410.5	423	435.5	435.5	448	460.5	460.5	473	485.5	485.5	498	510.5	510.5	523
4	373	385.5	398	398	410.5	423	423	435.5	448	448	460.5	473	473	485.5	498	498	510.5	523	523	535.5	548	560.5	560.5	573
5	423	435.5	435.5	448	460.5	460.5	473	485.5	485.5	498	510.5	510.5	523	535.5	548	548	560.5	573	573	585.5	598	598	610.5	623
6	473	473	485.5	498	498	510.5	523	535.5	535.5	548	560.5	560.5	573	585.5	585.5	598	610.5	610.5	623	635.5	635.5	648	660.5	660.5
7	523	523	535.5	548	548	560.5	573	573	585.5	598	598	610.5	623	623	635.5	648	648	660.5	673	673	685.5	698	698	710.5
8	560.5	573	585.5	585.5	598	610.5	610.5	623	635.5	635.5	648	660.5	660.5	673	685.5	685.5	698	710.5	723	723	735.5	748	748	760.5
9	610.5	623	623	635.5	648	648	660.5	673	673	685.5	698	710.5	710.5	723	735.5	735.5	748	760.5	760.5	773	785.5	785.5	798	810.5
																								000

Plug-in Type

S0700 Series Stacking Base

Kit (Serial Transmission) EX500 Gateway Decentralized System 2



Valve stations						
	Stations	Note				
01	1 station	Double wiring				
1	:					
16	16 stations					
01 1 station	0					
1	:	Specified layout*1 (Available up to 32 solenoids)				
24	24 stations	(Available up to 32 soleriolds)				

*1: Specified layout: Indicate the wiring specifications on the manifold specification sheet. (Note that 2-position double, 3-position and 4-position valves cannot be used where single wiring has been specified.) In addition, select the option K.

2 A, B port size

WELLIC SIZE				
C2	ø2 One-touch fitting			
C3	ø3.2 One-touch fitting			
C4	ø4 One-touch fitting			
CM*1	Mixed sizes and port plug			
Inch size				
N1	ø1/8" One-touch fitting			
N3	ø5/32" One-touch fitting			
NM *1	Mixed sizes and port plug			

*1: Indicate the sizes on the manifold specification sheet.

B P, R port size Metric size

C6	ø6 One-touch fitting		
C8	ø8 One-touch fitting		
Inch size			
N7	ø1/4" One-touch fitting		
N9	ø5/16" One-touch fitting		

*: If an inch size cylinder port is selected, select inch size piping connections for the P and R ports as well.

SI unit (Number of outputs, Max. number of valve stations)

SD0

- Without SI unit
- SDA3 32 outputs*1, 2, 1 to 16 stations (24 stations*3)
- *1: When using the SI unit with 32 outputs, use the GW unit compatible with the EX500 Gateway Decentralized System 2 (128 points).
- *2: 16 outputs can be set by switching the built-in setting switch.
- *3: (): Maximum number of stations for mixed single and double wiring.
- *: For SI unit part number, refer to page 1028.

5 SI unit (Output polarity)

Nil	(Without SI unit)
N	Negative common

6 Option

• • • • • • • • • • • • • • • • • • • •		
Nil	None	
B *1	With back pressure check valve (All stations)	
D *5	With DIN bracket, DIN rail with standard length	
D0*5	With DIN bracket, without DIN rail	
D □*2 *5	With DIN bracket, DIN rail for stations	
K *3	Special wiring specification (Except double wiring)	
N	With name plate	
R *4	External pilot	
S	Built-in silencer	

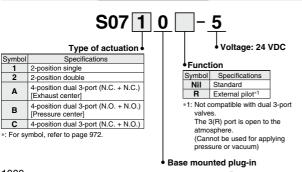
- *1: When a back pressure check valve is used only for specified station, specify the back pressure check valve part number, and specify the station number to which the valve is mounted, on the manifold specification sheet.
- *2:
 Specify a longer rail than the length of valve stations. Example) -D08

- In this case, the valves will be mounted on the DIN rail for 8 stations, regardless of the number of manifold stations. *3: When single wiring and double wiring are mixed, specify wiring type of each station on the manifold
- specification sheet. *4: For details, refer to page 1030.
- *5: When the SD0 (Without SI unit) is specified, -D, -D cannot be selected.
- *: When multiple symbols are specified, indicate them alphabetically. Example) -BKN
- *: For manifold optional parts, refer to pages 1030 to 1036.
- *: For manifold exploded view, refer to page 1026.

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How to Order Manifold Assembly

Specify the part numbers for valves and options together beneath the manifold base part number.



How to Order Valves

Symbol

1

2

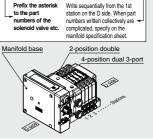
Δ

в

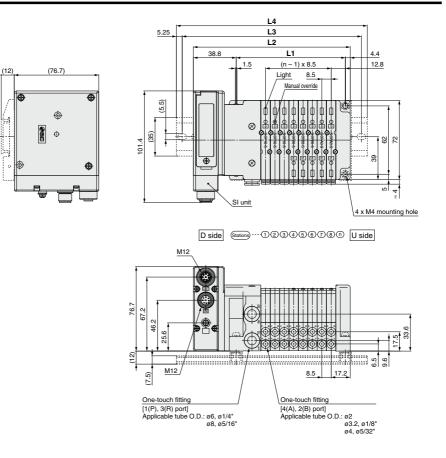
С

Example Serial transmission kit

SS0750-04C4C8SDA3 ··· 1 set - Manifold base part no. * S0720-5 2 sets - 2-position double part no. ······ 2 sets - 4-position dual 3-port part no. S07A0-5----



Plug-in Type Stacking Base EX500 Gateway Decentralized System 2 S0700 Series



Formula L1 = 8.5n + 31, L2 = 8.5n + 74 n: Station (Maximum 24 stations)

																,
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L1	39.5	48	56.5	65	73.5	82	90.5	99	107.5	116	124.5	133	141.5	150	158.5	167
L2	82.5	91	99.5	108	116.5	125	133.5	142	150.5	159	167.5	176	184.5	193	201.5	210
L3	112.5	112.5	125	137.5	137.5	150	162.5	162.5	175	187.5	187.5	200	212.5	212.5	225	237.5
L4	123	123	135.5	148	148	160.5	173	173	185.5	198	198	210.5	223	223	235.5	248
L	17	18	19	20	21	22	23	24								
L1	175.5	184	192.5	201	209.5	218	226.5	235								
L2	218.5	227	235.5	244	252.5	261	269.5	278								
L3	250	250	262.5	275	275	287.5	300	300								
L4	260.5	260.5	273	285.5	285.5	298	310.5	310.5								
							(© SM	С							1001

Plug-in Type Stacking Base

D-sub Connector

F Kit



MIL Standard

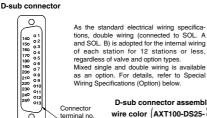
25 pins
 Cable length: 1.5 m, 3 m, 5 m
 Connector mounting direction: top or side selectable

▲Page 1006

Plug-in Type S0700 Series Stacking Base Kit (D-sub Connector)

- The D-sub connector reduces installation labor for electrical connections.
- Using the D-sub connector (25P), conforming to MIL standard permits the
- use of connectors put on the market and gives a wide interchangeability. Top or side receptacle position can be selected in accordance with the
- available mounting space.

Electrical Wiring Specifications

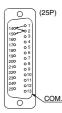


D-sub connector assembly wire color (AXT100-DS25- 030

		ninal	no. Pola	arity	Lead wire color	Dot marking	
0	SOL.A	1	(-)	(+)	Black	None	
Station 1 {	SOL.B	14	(-)	(+)	Yellow	Black	
c	SOL.A	2	(-)	(+)	Brown	None	
Station 2 {	SOL.B	15	(-)	(+)	Pink	Black	
c	SOL.A	3	(-)	(+)	Bed	None	
Station 3	SOL.B	16	(-)	(+)	Blue	White	
	SOL.A	4	(-)	(+)	Orange	None	
Station 4	SOL.B	17	(-)	(+)	Purple	None	
c.	SOL.A	5	(-)	(+)	Yellow	None	
Station 5 {	SOL.B	18	(-)	(+)	Grav	None	
, C	SOL.A	6	(-)	(+)	Pink	None	
Station 6	SOL.B	19	(-)	(+)	Orange	Black	
	SOL.A	7	(-)	(+)	Blue	None	
Station 7	SOL.B	20	(-)	(+)	Bed	White	
c.	SOL.A	8	(-)	(+)	Purple	White	
Station 8 {	SOL.B	21	(-)	(+)	Brown	White	
c	SOL.A	9	(-)	(+)	Gray	Black	
Station 9	SOL.B	22	(-)	(+)	Pink	Red	
		10	(-)	(+)	White	Black	
Station 10	SOI D	23	(-)	(+)	Grav	Red	
c	SOL.A	11	(-)	(+)	White	Red	
Station 11	SOL.B	24	(-)	(+)	Black	White	
c		12	(-)	(+)	Yellow	Red	
Station 12	SOL.B	25	(-)	(+)	White	None	
	COM	13	(+)	(-)	Orange	Red	
			• • •	. ,	•		
			Positive COM	Negative COM			
+1. Mounting			It can als	o ho u		antivo	

*1: Mounting valve has no polarity. It can also be used as a negative common.

Special Wiring Specifications (Option) [-K]



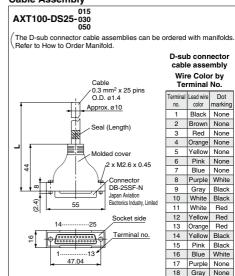
Mixed single and double wiring are available as an option The maximum number of manifold stations is determined by the number of solenoids. Count one point for a single solenoid type and two points for a double solenoid type. The total number of solenoids (points) must not exceed 24. 1. How to Order valves

Indicate an option symbol, -K, for the manifold part number and be sure to specify the mounting position and number of stations of the single and double wiring on the manifold specification sheet.

2. Wiring specifications

Connector terminal numbers are connected from solenoid station 1 on the A side in the order indicated by the arrows without skipping any terminal numbers.





D-sub Connector Cable Assembly (Option)

Cable length (L)	Assembly part no.	Note
1.5 m	AXT100-DS25-015	Cable
3 m	AXT100-DS25-030	0.3 mm ² x
5 m	AXT100-DS25-050	25 cores

*: For other commercial connectors, use a 25pin type with female connector conforming to MIL-C-24308

*: Cannot be used for movable wiring.

Electrical Characteristics

Property
65 or less
1000
5 or more

Connector manufacturers' example

19 Orange Black

20 Red White

21 Brown White

22 Pink Red Gray Red

23 24 Black White White None

25

Dot

marking

None

None

None

None

None

None

None White

Black

Black

Red

Red

Red

Black

Black

White

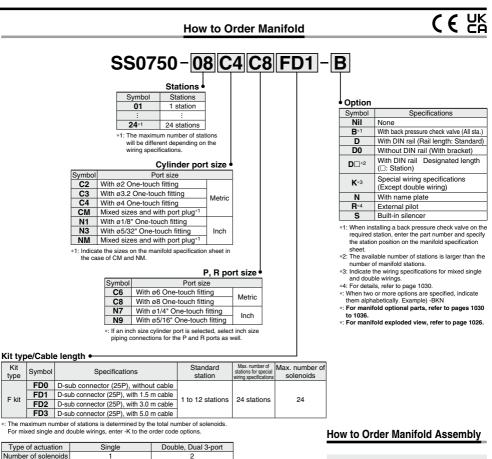
None

None

· Fujitsu Limited

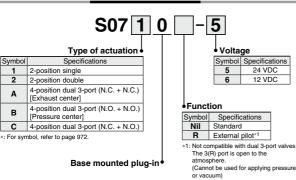
- Japan Aviation Electronics
- Industry, Limited
- J.S.T. Mfg. Co., Ltd.
- HIROSE ELECTRIC CO., LTD.
- *: The minimum bending inner radius of D-sub connector cable is 20 mm





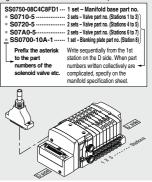
@SMC

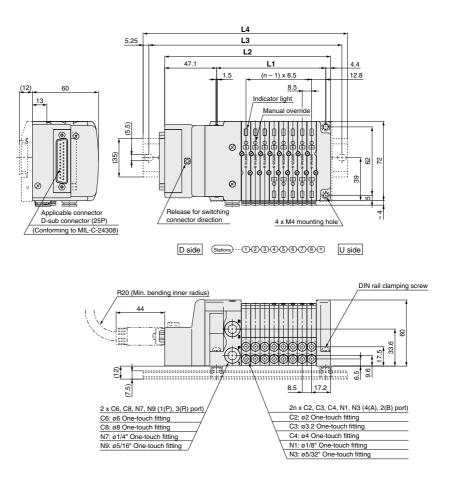
How to Order Valves



Example D-sub connector kit

Specify the part numbers for valves and options together beneath the manifold base part number.





Dimen	Dimensions Formula L1 = 8.5n + 31, L2 = 8.5n + 82.5 n: Station (Maximum 24 stations)											ations)											
L n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	48	56.5	65	73.5	82	90.5	99	107.5	116	124.5	133	141.5	150	158.5	167	175.5	184	192.5	201	209.5	218	226.5	235
L2	99.5	108	116.5	125	133.5	142	150.5	159	167.5	176	184.5	193	201.5	210	218.5	227	235.5	244	252.5	261	269.5	278	286.5
L3	125	137.5	137.5	150	162.5	162.5	175	187.5	187.5	200	212.5	212.5	225	237.5	250	250	262.5	275	275	287.5	300	300	312.5
L4	135.5	148	148	160.5	173	173	185.5	198	198	210.5	223	223	235.5	248	260.5	260.5	273	285.5	285.5	298	310.5	310.5	323

SMC

Plug-in Type Stacking Base

Flat Ribbon Cable

P Kit

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26 pins, 20 pins
 Cable length: 1.5 m, 3 m, 5 m
 Connector mounting direction: top or side selectable

▶Page 1010

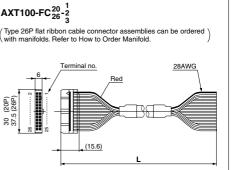
Plug-in Type S0700 Series Stacking Base Kit (Flat Ribbon Cable)

- Flat ribbon cable connector reduces installation labor for electrical connection.
- Using the connector for flat ribbon cable (26P, 20P) conforming to MIL standard permits the use of connectors put on the market and gives a wide interchangeability
- Top or side receptacle position can be selected in accordance with the available mounting space.

Electrical Wiring Specifications

Flat ribbon cable connector Double wiring (connected to SOL, A and 26 П П 26 SOL. B) is adopted for the internal wiring of 240 023 each station, regardless of valve and option 220 021 types 200 019 Mixed single and double wiring is available 180 017 as an option. For details, refer to Special 160 015 Wiring Specifications (Option) below 14 0 0 13 120 011 100 0 9 8007 6005 Connector terminal no. 4003 2001 Triangle mark indicator position <26P> <20P> Terminal Polarity Terminal Polarity SOL.A 0 1 SOLA 0 1 (--) (+)(--) (+) SOL.B 0 2 (-) SOL.B 0 2 Station 1 Station 1 (+)(+) (-) SOL.A 3 SOL.A 3 (-) (+) (+) (-) SOL.B 4 SOL.B 0 4 Station 2 Station 2 (-) (+) (+) (-) SOL.A 5 SOL.A 0 5 (-) (+)(-) (+)SOL.B 6 Station 3 SOL B Station 3 (-) (+)0 6 (--) (+) SOL.A 0 7 (-) SOL.A -07 (+) (-) (+) SOL.B 8 SOL.B 8 Station 4 (-) (+)(-) (+) SOL.A 9 SOL.A 9 (-) (+)(-)(+)SOL.B 010 Station 5 SOL B Station 5 (-) -010 (+) (-) (+) SOL.A 011 (-) SOL.A o11 (+)(-) (+)SOL.B 012 (-) SOL.B o12 Station 6 Station 6 (+) (-) (+) SOL.A 013 (-) SOL.A 013 (+)(-)(+)SOL.B 014 Station 3 SOL.B 014 Station 7 (-) (+)(--) (+) <u>SOL.A</u>o15 (-) SOL.A 015 (+)(-) (+)SOL.B_o16 SOL.B 016 Station 8 Station 8 (-) (+) (-) (+) SOL.A 017 SOL.A 017 (-) (+)(-) (+)SOL.B 018 SOL.B 018 Station 9 Station 9 (-) (+)(--) (+) SOL.A 019 (-) (+)SOL.B 020 Station 10 COM. 019 (+) (-) (+)(-) SOL.A 021 (-) COM. 020 (+) (+)(-) SOL.B 022 Station 11 (--) (+) SOL.A 023 (-) COM COM (+)SOL.B 024 (-) Station 12 (+)COM. 025 (+) (-) COM. 026 (+) (-) Positive Negative COM COM *1: Mounting valve has no polarity. It can also be used as a negative common.

Cable Assembly



Flat Ribbon Cable Connector Assembly (Option)

Cable	Assembly part no.							
length (L)	26P	20P						
1.5 m	AXT100-FC26-1	AXT100-FC20-1						
3 m	AXT100-FC26-2	AXT100-FC20-2						
5 m	AXT100-FC26-3	AXT100-FC20-3						

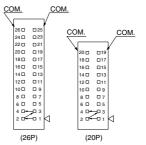
*: For other commercial connectors, use a 20- or 26-pin type with strain relief conforming to MIL-C-83503

*: Cannot be used for movable wiring

Connector manufacturers' example

- · HIROSE ELECTRIC CO., LTD. • 3M Japan Limited Fujitsu Limited
- · Japan Aviation Electronics Industry, Limited • J.S.T. Mfg. Co., Ltd.
- - Oki Electric Cable Co., Ltd

Special Wiring Specifications (Option) [-K]



Mixed single and double wiring are available as an option. The maximum number of manifold stations is determined by the number of solenoids. Count one point for a single solenoid type and two points for a double solenoid type. The total number of solenoids (points) must not exceed 24 for 26P, 18 for 20P.

1. How to Order valves

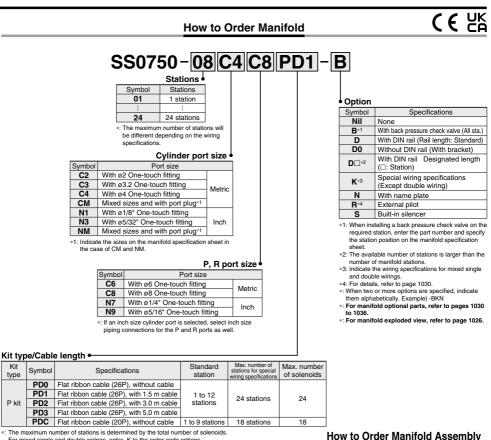
Indicate an option symbol, -K, for the manifold part number and be sure to specify the mounting position and number of stations of the single and double wiring on the manifold specification sheet.

2. Wiring specifications

Connector terminal numbers are connected from solenoid station 1 on the A side in the order indicated by the arrows without skipping any terminal numbers.

1010

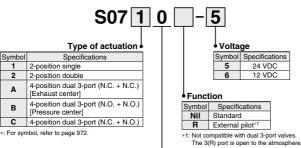




For mixed single and double wirings, enter -K to the order code options.

Type of actuation	Single	Double, Dual 3-port
Number of solenoids	1	2

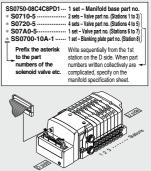




(Cannot be used for applying pressure or vacuum) SMC

Example Flat ribbon cable kit

Specify the part numbers for valves and options together beneath the manifold base part number.



Symbol

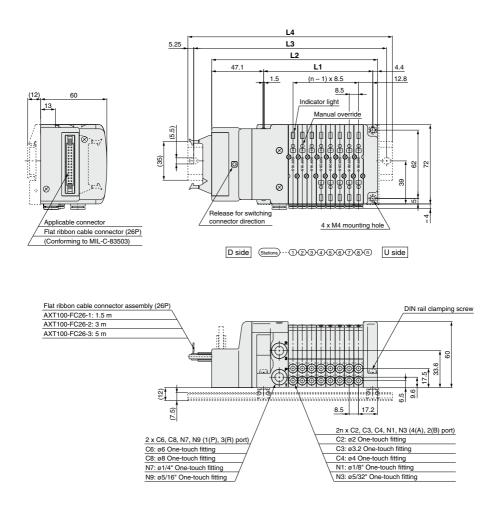
1 2

Δ

R

С

S0700 Series Kit (Flat Ribbon Cable)



Dimen	Formula L1 = 8.5n + 31, L2 = 8.5n + 82.5 n: Station (Maximum 24 stations)											ations)											
L n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	48	56.5	65	73.5	82	90.5	99	107.5	116	124.5	133	141.5	150	158.5	167	175.5	184	192.5	201	209.5	218	226.5	235
L2	99.5	108	116.5	125	133.5	142	150.5	159	167.5	176	184.5	193	201.5	210	218.5	227	235.5	244	252.5	261	269.5	278	286.5
L3	125	137.5	137.5	150	162.5	162.5	175	187.5	187.5	200	212.5	212.5	225	237.5	250	250	262.5	275	275	287.5	300	300	312.5
L4	135.5	148	148	160.5	173	173	185.5	198	198	210.5	223	223	235.5	248	260.5	260.5	273	285.5	285.5	298	310.5	310.5	323



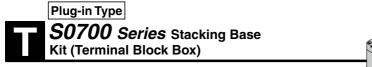
Plug-in Type Stacking Base

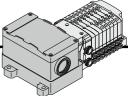
Terminal Block Box

Kit



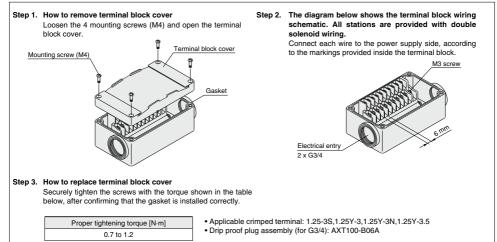
▲Page 1014



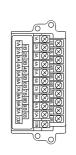


 This kit has a small terminal box inside a junction box. The electrical entry port (G3/4) permits connection of conduit fittings.

Terminal Block Connection



Electrical Wiring Specifications



Double wiring (connected to SOL. A and SOL. B) is adopted for the internal wiring of each station, regardless of valve and option types. Mixed single and double wiring is available as an option.

*1: Mounting valve has no polarity. It can also be used as a negative common.

Standard wiring	9	
Termina	l Pola	arity
Station 1 { SOL.A 0 1A	(-)	(+)
Station 2	(-) (-)	(+) (+)
Station 3	(-) (-)	(+) (+)
Station 4	(-) (-)	(+) (+)
Station 5 { SOL.B 5A 5A 5A	(-) (-)	(+) (+)
Station 6	(-) (-)	(+) (+)
SOL.A 7A	(-) (-)	(+) (+)
SOL.A 8A	(-) (-)	(+) (+)
SOL.A 9A	(-) (-)	(+) (+)
SOL.A 10A	(-) (-)	(+) (+)
Station 10 {	(-) (+)	(+) (-)
	Positive COM	Negative *1 COM

Special Wiring Specifications (Option) [-K]

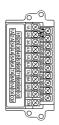
Mixed single and double wiring are available as an option. The maximum number of manifold stations is determined by the number of solenoids. Count one point for a single solenoid type and two points for a double solenoid type. The total number of solenoids (points) must not exceed 20.

1. How to Order valves

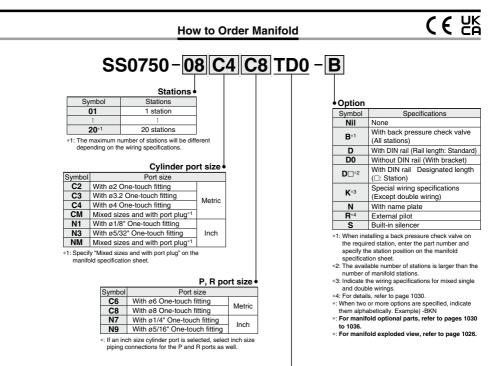
Indicate an option symbol, -K, for the manifold part number and be sure to specify the mounting position and number of stations of the single and double wiring on the manifold specification sheet.

2. Wiring specifications

Connector terminal numbers are connected from solenoid station 1 on the A side in the order indicated by the arrows without skipping any terminal numbers.







(Cannot be used for applying pressure

SMC

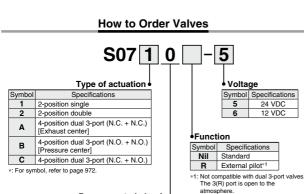
or vacuum)

Kit type •

Kit type	Symbol	Specifications	Standard station	Max. number of stations for special wiring specifications	Max. number of solenoids		
T kit	TD0	Terminal block	1 to 10 stations	20 stations	20		
the movi	The maximum number of stations is determined by the total number of colonaids						

For mixed single and double wirings, enter -K to the order code options.

Type of actuation	Single	Double, Dual 3-port
Number of solenoids	1	2

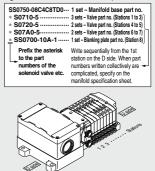


Base mounted plug-in

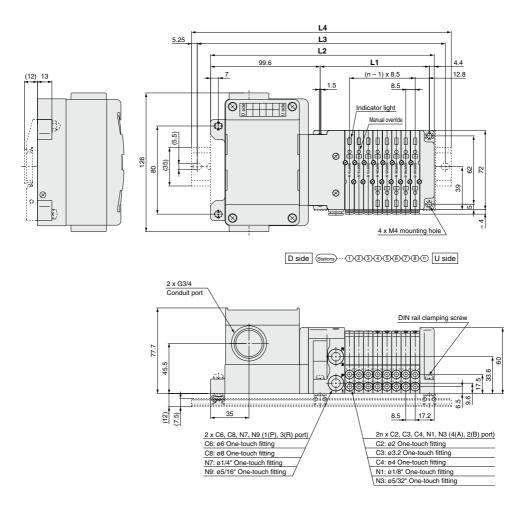


Example Terminal block box kit

Specify the part numbers for valves and options together beneath the manifold base part number.



S0700 Series Kit (Terminal Block Box)



Dimens	ions									Fo	ormula L	.1 = 8.5n	+ 31, L2	2 = 8.5n	+ 135	n: Statio	n (Maxir	num 20 :	stations)
L ^	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	48	56.5	65	73.5	82	90.5	99	107.5	116	124.5	133	141.5	150	158.5	167	175.5	184	192.5	201
L2	152	160.5	169	177.5	186	194.5	203	211.5	220	228.5	237	245.5	254	262.5	271	279.5	288	296.5	305
L3	175	187.5	200	200	212.5	225	225	237.5	250	250	262.5	275	275	287.5	300	300	312.5	325	325
L4	185.5	198	210.5	210.5	223	235.5	235.5	248	260.5	260.5	273	285.5	285.5	298	310.5	310.5	323	335.5	335.5



Plug-in Type Stacking Base

Lead Wire

_ Kit

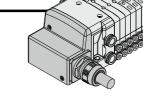
600



▲Page 1018



Direct electrical entry type



Electrical Wiring Specifications

Lead wire specifications

Lead wire

0.3 mm² x 25 cores

Color: White

regardless of valve and option types. Mixed single and double wiring is available as an option. For details, refer to Special Wiring Specifications (Option) below.

As the standard electrical wiring specifications, double wiring (connected to SOL. A

and SOL. B) is adopted for the internal wiring of each station for 12 stations or less,

T	erminal no.	Pola	arity	Lead wire color	Dot marking
CSOL.A	> 1	()	(+)	Black	None
Station 1 SOL.B	0 14	(-)	(+)	Yellow	Black
SOL.A	2	(-)	(+)	Brown	None
Station 2 SOL.B	5 15	(-)	(+)	Pink	Black
SOL.A	> 3	(-)	(+)	Red	None
Station 3 SOL.B	16	(-)	(+)	Blue	White
SOL.A	5 4	(-)	(+)	Orange	None
	17	(-)	(+)	Purple	None
SOL.A	5 5	()	(+)	Yellow	None
Station 5 SOL.B	18	()	(+)	Gray	None
SOL.A	6	(-)	(+)	Pink	None
	5 19	(-)	(+)	Orange	Black
SOL.A	7	(-)	(+)	Blue	None
	20	(-)	(+)	Red	White
SOL.A	8	(-)	(+)	Purple	White
Station 8 SOL.B	21	(-)	(+)	Brown	White
SOL.A	9	(-)	(+)	Gray	Black
Station 9 SOL.B	22	(-)	(+)	Pink	Red
	> 10	(-)	(+)	White	Black
Station 10 SOL.B	23	(-)	(+)	Gray	Red
	> 11	(-)	(+)	White	Red
	24	(-)	(+)	Black	White
	12	(-)	(+)	Yellow	Red
Station 12 SOL.B	25	(-)	(+)	White	None
COM.	13	(+)	(-)	Orange	Red
	ľ	Positive COM	Negative* COM	1	

*1: Mounting valve has no polarity. It can also be used as a negative common.

Special Wiring Specifications (Option) [-K]

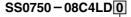
Mixed single and double wiring are available as an option. The maximum number of manifold stations is determined by the number of solenoids. Count one point for a single solenoid type and two points for a double solenoid type. The total number of solenoids (points) must not exceed 24.

1. How to Order valves

Indicate an option symbol, -K, for the manifold part number and be sure to specify the mounting position and number of stations of the single and double wiring on the manifold specification sheet. **2. Wiring specifications**

Connector terminal numbers are connected from solenoid station 1 on the A side in the order indicated by the arrows without skipping any terminal numbers.

Lead wire length



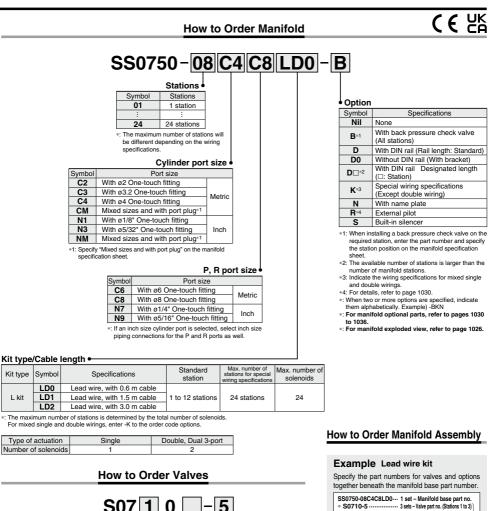


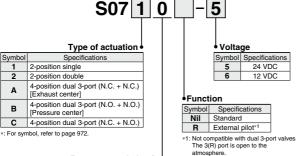
Electrical Characteristics

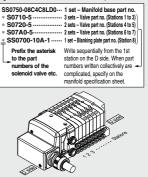
Item	Property
Conductor resistance Ω/km, 20°C	65 or less
Voltage limit V, 1 min, AC	1000
Insulation resistance MΩ/km, 20°C	5 or more
-	

 Cannot be used for movable wiring. The minimum bending inner radius of cable is 20 mm.









Base mounted plug-in

Symbol

1

2

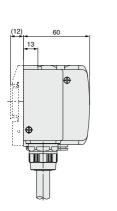
Α

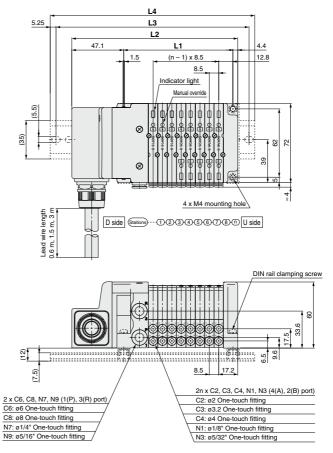
в

C

or vacuum)







Dimen	sion	S										Formu	la L1 =	= 8.5n	+ 31, L	.2 = 8.	5n + 8	2.5 r	: Stati	on (Ma	ximum	n 24 sta	ations)
L n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	48	56.5	65	73.5	82	90.5	99	107.5	116	124.5	133	141.5	150	158.5	167	175.5	184	192.5	201	209.5	218	226.5	235
L2	99.5	108	116.5	125	133.5	142	150.5	159	167.5	176	184.5	193	201.5	210	218.5	227	235.5	244	252.5	261	269.5	278	286.5
L3	125	137.5	137.5	150	162.5	162.5	175	187.5	187.5	200	212.5	212.5	225	237.5	250	250	262.5	275	275	287.5	300	300	312.5
L4	135.5	148	148	160.5	173	173	185.5	198	198	210.5	223	223	235.5	248	260.5	260.5	273	285.5	285.5	298	310.5	310.5	323



Plug-in Type Stacking Base

Circular Connector

M Kit

60



▲Page 1022



Simplification and labor savings for wiring work can be achieved by using a circular connector for the electrical connection.

Electrical Wiring Specifications

Circular connector 14 15

13

12

23 25 18

10 9 (1)

2) 20

(2 ⁴ 24 ¹⁶ 17

G

19 (5 26 22

(4

Double wiring (connected to SOL. A and SOL. B) is adopted for the internal wiring of each station, regardless of valve and option types. Mixed single and double wiring is

available as an option. For details, refer to Special Wiring Specifications (Option) below.

	Te	rminal	Pol	arity
		no.		
Station 1	SOL.A	1	(-)	(+)
	SOL.B	2	(-)	(+)
Station 2	SOL.A_o	3	(-)	(+)
Station 2 {	SOL.B	4	(-)	(+)
Station 3	SOL.A_o	5	(-)	(+)
Station 3 {	SOL.B_o	6	(-)	(+)
o	SOL.A	7	(-)	(+)
Station 4	SOL.B_o	8	(-)	(+)
	SOL.A_o	9	(-)	(+)
Station 5	SOL.B_o	10	(-)	(+)
	SOL.A_o	11	(-)	(+)
Station 6	SOL.B	12	(-)	(+)
	SOL.A	13	(-)	(+)
Station 7	SOL.B	14	(-)	(+)
	SOL.A	15	(-)	(+)
Station 8	COL B	16	(-)	(+)
	SOI 4	17	(-)	(+)
Station 9	001.0	18	(-)	(+)
ć	SOL 4	19	(-)	(+)
tation 10	201 B	20	(-)	(+)
		20	(-)	(+)
tation 11		22	(-)	(+) (+)
		22	() ()	(+) (+)
tation 12		23 24	. ,	. ,
	0014		(-)	(+)
İ	0011	25 26	(+)	(-)
			(+)	(-)
		F	Positive COM	Negative ^{® 1} COM

*1: Mounting valve has no polarity. It can also be used as a negative common

Special Wiring Specifications (Option) [-K]

Mixed single and double wiring are available as an option. The maximum number of manifold stations is determined by the number of solenoids. Count one point for a single solenoid type and two points for a double solenoid type. The total number of solenoids (points) must not exceed 24.

1. How to Order valves

Indicate an option symbol, -K, for the manifold part number and be sure to specify the mounting position and number of stations of the single and double wiring on the manifold specification sheet.

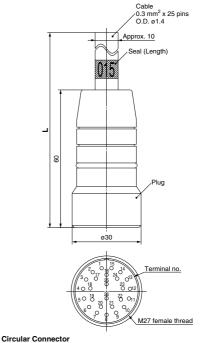
2. Wiring specifications

Connector terminal numbers are connected from solenoid station 1 on the A side in the order indicated by the arrows without skipping any terminal numbers 1022

Cable Assembly



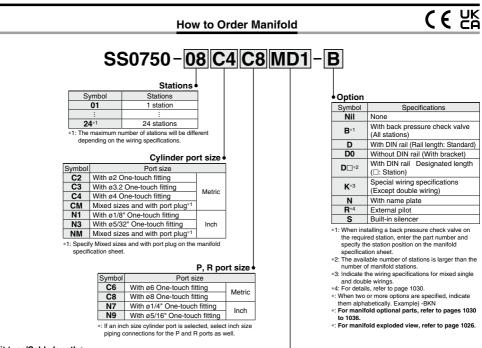
/ Circular connector assembly (26P type) can be included in a specific \ manifold model number. Refer to How to Order Manifold.



Cable Assembly (Option)

@SMC

	Cable	Assembly part no.
	length (L)	26P
	1.5 m	AXT100-MC26-015
	3 m	AXT100-MC26-030
	5 m	AXT100-MC26-050
*:	Cannot be use	d for movable wiring.



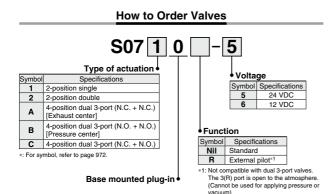
SMC

Kit type/Cable length -

Kit type	Symbol	Specifications	Standard station	Max. number of stations for special wiring specifications	Max. number of solenoids
	MD0	Circular connector (26P), without cable			
M kit	MD1	Circular connector (26P), with 1.5 m cable	1 to 12	24 stations	24
	MD2	Circular connector (26P), with 3.0 m cable	stations	24 stations	24
	MD3	Circular connector (26P), with 5.0 m cable			

*: The maximum number of stations is determined by the total number of solenoids For mixed single and double wirings, enter -K to the order code options.

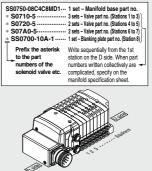
Type of actuation	Single	Double, Dual 3-port
Number of solenoids	1	2



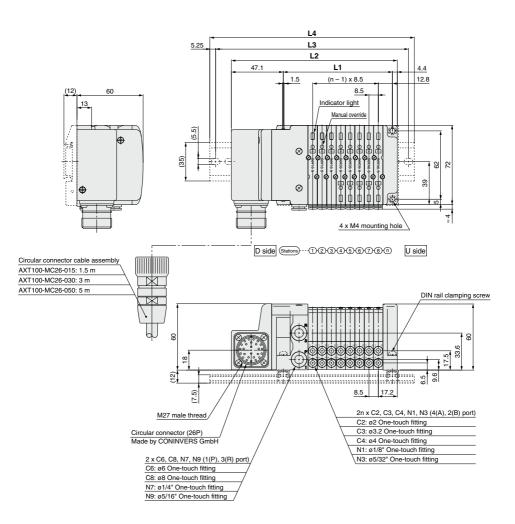
How to Order Manifold Assembly

Example Circular connector kit

Specify the part numbers for valves and options together beneath the manifold base part number.



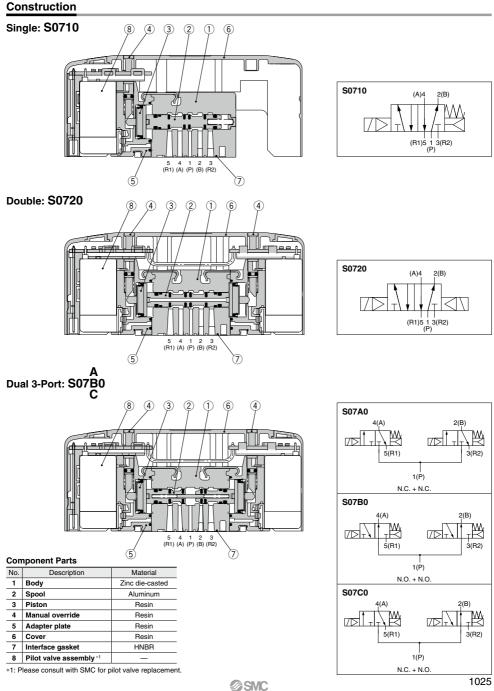
S0700 Series Kit (Circular Connector)



Dime	nsion	s										Formu	la L1 =	= 8.5n	+ 31, L	.2 = 8.	5n + 8	2.5 r	: Stati	on (Ma	ximum	n 24 sta	ations)
L _ n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	48	56.5	65	73.5	82	90.5	99	107.5	116	124.5	133	141.5	150	158.5	167	175.5	184	192.5	201	209.5	218	226.5	235
L2	99.5	108	116.5	125	133.5	142	150.5	159	167.5	176	184.5	193	201.5	210	218.5	227	235.5	244	252.5	261	269.5	278	286.5
L3	125	137.5	137.5	150	162.5	162.5	175	187.5	187.5	200	212.5	212.5	225	237.5	250	250	262.5	275	275	287.5	300	300	312.5
L4	135.5	148	148	160.5	173	173	185.5	198	198	210.5	223	223	235.5	248	260.5	260.5	273	285.5	285.5	298	310.5	310.5	323

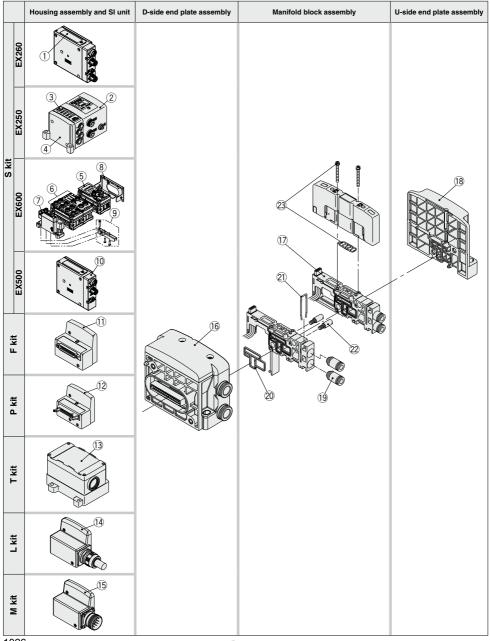
SMC

Plug-in Type Stacking Base **S0700** Series



1025

Plug-in Type Stacking Base S0700 Series Manifold Exploded View



SMC

Manifold Assembly Part No.

<Housing Assembly and SI Unit, Input Block>

	Description	Part no.	Note
		EX260-SDN1	DeviceNet® M12 connector, 32 outputs, PNP (Negative commo
		EX260-SDN2	DeviceNet [®] M12 connector, 32 outputs, NPN (Positive common
		EX260-SDN3	DeviceNet® M12 connector, 16 outputs, PNP (Negative common
		EX260-SDN4	DeviceNet [®] M12 connector, 16 outputs, NPN (Positive common
		EX260-SPR1	PROFIBUS DP M12 connector, 32 outputs, PNP (Negative comm
		EX260-SPR2	PROFIBUS DP M12 connector, 32 outputs, NPN (Positive commo
		EX260-SPR3	PROFIBUS DP M12 connector, 16 outputs, PNP (Negative comm
		EX260-SPR4	
			PROFIBUS DP M12 connector, 16 outputs, NPN (Positive commo
		EX260-SPR5	PROFIBUS DP D-sub connector, 32 outputs, PNP (Negative commo
		EX260-SPR6	PROFIBUS DP D-sub connector, 32 outputs, NPN (Positive commo
		EX260-SPR7	PROFIBUS DP D-sub connector, 16 outputs, PNP (Negative common)
		EX260-SPR8	PROFIBUS DP D-sub connector, 16 outputs, NPN (Positive commo
		EX260-SMJ1	CC-Link M12 connector, 32 outputs, PNP (Negative common)
		EX260-SMJ2	CC-Link M12 connector, 32 outputs, NPN (Positive common)
		EX260-SMJ3	CC-Link M12 connector, 16 outputs, PNP (Negative common)
1	EX260 SI unit		
~		EX260-SMJ4	CC-Link M12 connector, 16 outputs, NPN (Positive common)
		EX260-SEC1	EtherCAT M12 connector, 32 outputs, PNP (Negative common)
		EX260-SEC2	EtherCAT M12 connector, 32 outputs, NPN (Positive common)
		EX260-SEC3	EtherCAT M12 connector 16 outputs, PNP (Negative common)
		EX260-SEC4	EtherCAT M12 connector, 16 outputs, NPN (Positive common)
		EX260-SPN1	PROFINET M12 connector, 32 outputs, PNP (Negative common
		EX260-SPN2	PROFINET M12 connector, 32 outputs, NPN (Positive common)
		EX260-SPN3	PROFINET M12 connector, 16 outputs, PNP (Negative common
		EX260-SPN4	PROFINET M12 connector, 16 outputs, NPN (Positive common)
		EX260-SEN1	EtherNet/IP™ M12 connector, 32 outputs, PNP (Negative comm
		EX260-SEN2	EtherNet/IP™ M12 connector, 32 outputs, NPN (Positive commo
		EX260-SEN3	EtherNet/IP™ M12 connector 16 outputs, PNP (Negative commo
		EX260-SEN4	EtherNet/IP™ M12 connector, 16 outputs, NPN (Positive commo
		EX260-SPL1	Ethernet POWERLINK M12 connector, 32 outputs, PNP (Negative commo
		EX260-SPL3	Ethernet POWERLINK M12 connector, 16 outputs, PNP (Negative comm
		EX250-SDN1	DeviceNet [®] PNP (Negative common)
		EX250-SAS3	AS-Interface, 8 in/8 out, 2 isolated common type, PNP (Negative comm
_	EX450 01	EX250-SAS5	AS-Interface, 4 in/4 out, 2 isolated common type, PNP (Negative comm
2	EX250 SI unit	EX250-SAS7	AS-Interface, 8 in/8 out, 1 common type, PNP (Negative commo
		EX250-SAS9	AS-Interface, 4 in/4 out, 1 common type, PNP (Negative commo
		EX250-SEN1	EtherNet/IP TM PNP (Negative common)
~		EX250-IE1	M12 2 inputs
	EX250 input block	EX250-IE2	M12 4 inputs
3			
9	-	EX250-IE3	M8 4 inputs
-	EV050 and plate accombly		
-	EX250 end plate assembly	EX250-IE3 EX250-EA1	M8 4 inputs Direct mounting
-	EX250 end plate assembly	EX250-IE3 EX250-EA1 EX250-EA2	M8 4 inputs Direct mounting DIN rail mounting
-	EX250 end plate assembly	EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A	M8 4 inputs Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common)
-	EX250 end plate assembly	EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A	M8 4 inputs Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] NPN (Positive common)
-	EX250 end plate assembly	EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1	M8 4 inputs Direct mounting DIN rail mounting DeviceNet® PNP (Negative common) DeviceNet® NPN (Positive common) CC-Link PNP (Negative common) CC-Link PNP (Negative common)
-	EX250 end plate assembly	EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SMJ2	M8 4 inputs Direct mounting DIN rail mounting DeviceNet® PNP (Negative common) DeviceNet® NPN (Positive common) CC-Link PNP (Negative common) CC-Link NPN (Positive common)
-	EX250 end plate assembly	EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SMJ2 EX600-SPR1A	M8 4 inputs Direct mounting DiviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link NPN (Positive common) PROFIBUS DP PNP (Negative common)
-	EX250 end plate assembly	EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SMJ2 EX600-SPR1A EX600-SPR1A	M8 4 inputs Direct mounting Diversite mounting DaviceNet® PNP (Negative common) DeviceNet® NPN (Positive common) CC-Link NPN (Negative common) CC-Link NPN (Negative common) PROFIBUS DP PROFIBUS DP PNP (Negative common) PROFIBUS DP PNP (Negative common)
-	EX250 end plate assembly	EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SMJ2 EX600-SPR1A	M8 4 inputs Direct mounting DirviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) PROFIBUS DP PNP (Negative common) PROFIBUS DP PNP (Negative common) EtherNet/IPM (2 ports) PNP (Negative common)
4		EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SMJ2 EX600-SPR1A EX600-SPR1A	M8 4 inputs Direct mounting DirviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) PROFIBUS DP PNP (Negative common) PROFIBUS DP PNP (Negative common) EtherNet/IPM (2 ports) PNP (Negative common)
4	EX250 end plate assembly EX600 SI unit	EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SPR1A EX600-SPR1A EX600-SPR2A EX600-SEN3 EX600-SEN4	M8 4 inputs Direct mounting Dival mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] NPN (Positive common) CC-Link PNP (Negative common) CC-Link NPN (Negative common) PROFIBUS DP PNP (Negative common) PROFIBUS DP NPN (Negative common) PROFIBUS DP NPN (Negative common) EtherNet/IP™ (2 ports) PNP (Negative common) EtherNet/IP™ (2 ports) NPN (Negative common) EtherNet/IP™ (2 ports) NPN (Negative common)
4		EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SPR1A EX600-SPR1A EX600-SPR2A EX600-SPN3 EX600-SEN3 EX600-SEN4 EX600-SPN1	M8 4 inputs Direct mounting Div rail mounting DeviceNet® PNP (Negative common) DeviceNet® NPN (Positive common) CC-Link PNP (Negative common) CC-Link NPN (Negative common) PROFIBUS DP NPP (Negative common) PROFIBUS DP NPP (Negative common) EtherNet/IP™ (2 ports) PNP (Negative common) EtherNet/IP™ (2 ports) NPN (Positive common) PROFIBUS DP NPP (Negative common) PROFIBUS PP NPP (Negative common)
4		EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SMJ2 EX600-SPR1A EX600-SPR2A EX600-SEN3 EX600-SEN4 EX600-SEN4 EX600-SPN1 EX600-SPN1	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Positive common) CC-Link PNP (Negative common) CC-Link NPN (Positive common) PROFIBUS DP PNP (Negative common) PROFIBUS DP NPN (Positive common) EtherNet/IP™ (2 ports) PNP (Negative common) EtherNet/IP™ (2 ports) PNP (Negative common) PROFINET PNP (Negative common) PROFINET FNPN (Positive common) PROFINET PNP (Negative common)
4		EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SPR1A EX600-SPR1A EX600-SPR3 EX600-SEN4 EX600-SEN4 EX600-SPN1 EX600-SPN2 EX600-SPN2	M8 4 inputs Direct mounting DirviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) CC-Link DNP (Negative common) PROFIBUS DP PNP (Negative common) PROFIBUS DP NPN (Negative common) EtherNet/IP™ (2 ports) PNP (Negative common) EtherNet/IP™ (2 ports) PNP (Negative common) PROFIBUS DP NPN (Negative common) PROFINET NPN (Negative common) Wireless base module EtherNet/IP™ (PNPT) PNP (Negative common)
4		EX250-E3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SPR1A EX600-SPR1A EX600-SPR2A EX600-SEN3 EX600-SEN4 EX600-SPN1 EX600-SPN1 EX600-SPN2 EX600-WEN1*1 EX600-WEN1*1	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link NPN (Positive common) CC-Link NPN (Negative common) CC-Link NPN (Positive common) PROFIBUS DP NPN (Negative common) EtherNet/IP TM (2 ports) PNP (Negative common) EtherNet/IP TM (2 ports) NPN (Positive common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) PROFINET NPN (Positive common) PROFINET PNP (Negative common) PROFINET ENPN (Positive common) PROFINET ENPN (Positive common) PROFINET ENPN (Desitive common) PROFINET NPN (Positive common) PROFINET ENPN (Desitive common) PROFINET ENPN (Positive common)
4		EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SPR1A EX600-SPR1A EX600-SPR1A EX600-SEN3 EX600-SEN4 EX600-SEN4 EX600-SPN1 EX600-SPN2 EX600-WEN1 ⁺¹	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Positive common) CC-Link PNP (Negative common) CC-Link NPN (Positive common) PROFIBUS DP PNP (Negative common) PROFIBUS DP NPN (Negative common) EtherNet/IP™ (2 ports) PNP (Negative common) EtherNet/IP™ (2 ports) NPN (Positive common) PROFIBUET PNP (Negative common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) PROFINET NPN (Positive common) Wireless base module EtherNet/IP™ NPN (Negative common) Wireless base module PROFINET PNP (Negative common) Wireless base module PROFINET PNP (Negative common) Wireless base module PROFINET PNP (Negative common)
4		EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SPR1A EX600-SPR1A EX600-SPR3 EX600-SEN4 EX600-SEN4 EX600-SPN1 EX600-SPN2 EX600-WEN1 ⁺¹ EX600-WEN2 ⁺¹ EX600-WEN1 ⁺¹	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) PROFIBUS DP PNP (Negative common) PROFIBUS DP PNP (Negative common) EtherNet/IP™ (2 ports) PNP (Negative common) EtherNet/IP™ (2 ports) PNP (Negative common) PROFIBUS DP PNP (Negative common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) PROFINET NPN (Positive common) PROFINET PNP (Negative common) Wireless base module EtherNet/IP™ PNP (Negative common) Wireless base module PROFINET PNP (Negative common) Wireless base module PROFINET PNP (Negative common) Wireless base module PROFINET NPN (Negative common) Wireless base module PROFINET NPN (Negative common) Wireless base module PROFINET NPN (Negative common)
4		EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SPR1A EX600-SPR1A EX600-SPR3 EX600-SEN4 EX600-SEN4 EX600-SPN1 EX600-SPN2 EX600-WEN1 ⁺¹ EX600-WEN2 ⁺¹ EX600-WEN1 ⁺¹	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet® PNP (Negative common) DeviceNet® PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) PROFIBUS DP PNP (Negative common) PROFIBUS DP PNP (Negative common) EtherNet/IP™ (2 ports) PNP (Negative common) EtherNet/IP™ (2 ports) PNP (Negative common) PROFIBUS DP PNP (Negative common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) PROFINET NPN (Positive common) PROFINET NPN (Positive common) Wireless base module EtherNet/IP™ PNP (Negative common) Wireless base module PROFINET PNP (Negative common) Wireless base module PROFINET PNP (Negative common) Wireless base module PROFINET PNP (Negative common)
4		EX250-E3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SMJ2 EX600-SPR1A EX600-SPR3 EX600-SEN3 EX600-SEN3 EX600-SEN4 EX600-SPN1 EX600-SPN1 EX600-WEN1 ⁺¹ EX600-WEN1 ⁺¹ EX600-WEN1 ⁺¹	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) PROFIBUS DP PNP (Negative common) EtherNet/IP [™] (2 ports) PNP (Negative common) EtherNet/IP [™] (2 ports) PNP (Negative common) PROFINET PNP (Negative common) PROFINET NPN (Positive common) PROFINET NPN (Positive common) Wireless base module EtherNet/IP [™] NPN (Negative common) Wireless base module EtherNet/IP [™] NPN (Negative common) Wireless base module EtherNet/IP [™] NPN (Negative common) Wireless base module DROFINET PNP (Negative common) Wireless base module DROFINET NPN (Positive common) Wireless base module PROFINET NPN (Positive common)
4		EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SNJ1 EX600-SPR1A EX600-SPR1A EX600-SPR2A EX600-SEN4 EX600-SEN4 EX600-SEN4 EX600-SPN1 EX600-WEN11 EX600-WEN11 EX600-WEN11 EX600-WEN11 EX600-WEN11 EX600-WEN11	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link NPN (Positive common) PROFIBUS DP PNP (Negative common) PROFIBUS DP PNP (Negative common) EtherNet/IP [™] (2 ports) PNP (Negative common) EtherNet/IP [™] (2 ports) NPN (Positive common) PROFINET PNP (Negative common) PROFINET NPN (Positive common) Wireless base module EtherNet/IP [™] PNP (Negative common) Wireless base module EtherNet/IP [™] NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless seme to module NPN (Positive common) Wireless seme to module NPN (Positive common)
4		EX250-E3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SMJ2 EX600-SPR1A EX600-SPR1A EX600-SEN3 EX600-SEN3 EX600-SEN4 EX600-SPN1 EX600-SPN1 EX600-SPN2 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link NPN (Positive common) CC-Link NPN (Positive common) PROFIBUS DP PNP (Negative common) EtherNet/IP [™] (2 ports) PNP (Negative common) EtherNet/IP [™] (2 ports) NPN (Positive common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) Wireless base module EtherNet/IP TM PNP (Negative common) Wireless base module EtherNet/IP TM NPN (Positive common) Wireless base module PROFINET PNP (Negative common) Wireless base module PROFINET PNP (Negative common) Wireless remote module PROFINET PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common)
4		EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SMJ2 EX600-SPR1A EX600-SPR1A EX600-SPN3 EX600-SEN4 EX600-SEN4 EX600-SPN1 EX600-SPN1 EX600-WPN1 ⁻¹ EX600-WPN1 ⁻¹ EX600-WPN1 ⁻¹ EX600-WPN1 ⁻¹ EX600-WSV1 ⁻¹ EX600-WSV2 ⁻¹ EX600-WSV2 ⁻¹ EX600-WSV2 ⁻¹ EX600-DXNB	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Rositive common) CC-Link PNP (Negative common) CC-Link NPN (Positive common) PROFIBUS DP PNP (Negative common) PROFIBUS DP NPN (Positive common) EtherNet/IP™ (2 ports) PNP (Negative common) PROFIBUS DP NPN (Positive common) PROFIBUS DP NPN (Positive common) PROFINET PNP (Negative common) PROFINET NPN (Positive common) PROFINET NPN (Positive common) Wireless base module EtherNet/IP™ NPN (Negative common) Wireless base module EtherNet/IP™ NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless base module PNP (Negative common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common) NPN input, M12 connector, 5 pins (4 pos.), 8 inputs PNP input, M12 connector, 5 pins (4 pcs.), 8 inputs PNP input, M12 connector, 5 pins (4 pcs.), 8 inputs
4		EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SPR1A EX600-SPR1A EX600-SPR1A EX600-SPR3 EX600-SPN1 EX600-SPN1 EX600-SPN2 EX600-WPN2 ⁻¹ EX600-WPN2 ⁻¹ EX600-WPN2 ⁻¹ EX600-WV1 ⁻¹ EX600-DXNB EX600-DXNB	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) PROFIBUS DP PNP (Negative common) PROFIBUS DP PNP (Negative common) PROFIBUS DP PNP (Negative common) PROFIBUS DP NPN (Positive common) EtherNet/IP [™] (2 ports) NPN (Positive common) PROFINET PNP (Negative common) PROFINET NPN (Positive common) PROFINET NPN (Positive common) Wireless base module EtherNet/IP [™] NPN (Positive common) Wireless base module EtherNet/IP [™] NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless base module NPN (Positive common) Wireless base module NPN (Positive common) Wireless seme te module NPN (Positive common) Wireless the module NPN (Positive common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common) NPN input, M12 connector, 5 pins (4 pcs.), 8 inputs PNP input, M8 connector, 3 pins (4 pcs.), 8 inputs NPN input, M8 connector, 3 pins (4 pcs.), 8 inputs
4		EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SDN2A EX600-SMJ2 EX600-SPR1A EX600-SPR1A EX600-SPR3 EX600-SEN3 EX600-SEN4 EX600-SPN1 EX600-SPN1 EX600-WEN1 ⁺¹ EX600-WEN1 ⁺¹ EX600-DNNB EX600-DNNC	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) PROFIBUS DP PNP (Negative common) EtherNet/IP [™] (2 ports) PNP (Negative common) EtherNet/IP [™] (2 ports) PNP (Negative common) PROFINET PNP (Negative common) PROFINET NPN (Positive common) PROFINET NPN (Negative common) Wireless base module EtherNet/IP [™] NPN (Negative common) Wireless base module EtherNet/IP [™] NPN (Positive common) Wireless base module EtherNet/IP [™] NPN (Positive common) Wireless base module EtherNet/IP [™] NPN (Positive common) Wireless base module EtherNet/IP [™] NPN (Positive common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) PNP input, M12 connector, 5 pins (4 pcs.), 8 inputs PNP input, M8 connector, 5 pins (4 pcs.), 8 inputs PNP input, M8 connector, 3 pins (8 pcs.), 8 inputs PNP input, M8 connector, 3 pins (8 pcs.), 8 inputs
4		EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SPR1A EX600-SPR1A EX600-SPR1A EX600-SPR3 EX600-SPN1 EX600-SPN1 EX600-SPN2 EX600-WPN2 ⁻¹ EX600-WPN2 ⁻¹ EX600-WPN2 ⁻¹ EX600-WV1 ⁻¹ EX600-DXNB EX600-DXNB	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet® PNP (Negative common) DeviceNet® PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) PROFIBUS DP PNP (Negative common) PROFIBUS DP PNP (Negative common) PROFIBUS DP PNP (Negative common) PROFIBUS DP PNP (Negative common) EtherNet/IP™ (2 ports) NPN (Positive common) PROFINET PNP (Negative common) PROFINET NPN (Positive common) PROFINET NPN (Positive common) Wireless base module EtherNet/IP™ PNP (Negative common) Wireless base module EtherNet/IP™ PNP (Negative common) Wireless base module EtherNet/IP™ NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless base module NPN (Positive common) Wireless seme te module NPN (Positive common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common) NPN input, M12 connector, 5 pins (4 pcs.), 8 inputs PNP input, M8 connector, 3 pins (4 pcs.), 8 inputs NPN input, M8 connector, 3 pins (4 pcs.), 8 inputs
4 5	EX600 SI unit	EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SMJ1 EX600-SPR1A EX600-SPR1A EX600-SPR1A EX600-SPR3 EX600-SEN4 EX600-SPN1 EX600-SPN2 EX600-SPN2 EX600-WR11 ⁻¹ EX600-WR11 ⁻¹ EX600-WR12 ⁻¹ EX600-DXNB EX600-DXNB	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link NPN (Positive common) CC-Link UPN (Negative common) PROFIBUS DP PNP (Negative common) PROFIBUS DP PNP (Negative common) EtherNet/IP™ (2 ports) PNP (Negative common) EtherNet/IP™ (2 ports) NPN (Positive common) PROFIBUS DP PNPN (Positive common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) PROFINET NPN (Positive common) Wireless base module EtherNet/IP™ MPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless remote module PROFINET NPN (Positive common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) NPN input, M12 connector, 5 pins (4 pcs), 8 inputs PNP input, M2 connector, 3 pins (8 pcs), 8 inputs NPN input, M8 connector, 3 pins (8 pcs), 8 inputs NPN input, M8 connector, 3 pins (8 pcs), 8 inputs NPN input, M8 connector, 3 pins (8 pcs), 8 inputs
4 5		EX250-E3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SDN2A EX600-SPR1A EX600-SPR1A EX600-SFN3 EX600-SEN3 EX600-SEN3 EX600-SEN4 EX600-SPN1 EX600-SPN1 EX600-SPN2 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-WEN1*1 EX600-DXNB EX600-DXNB	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) PROFIBUS DP PNP (Negative common) EtherNet/IP [™] (2 ports) PNP (Negative common) PROFIBUS DP NPN (Positive common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) Wireless base module EtherNet/IP TM PNP (Negative common) Wireless base module EtherNet/IP TM NPN (Positive common) Wireless base module PROFINET PNP (Negative common) Wireless base module PROFINET PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) PNP input, M12 connector, 5 pins (4 pcs.), 8 inputs NPN input, M8 connector, 3 pins (6 pcs.), 8 inputs NPN input, M8 connector, 3 pins (8 pcs.), 8 inputs NPN input, M8 connector, 3 pins (8 pcs.), 8 inputs <td< td=""></td<>
<u>(</u>)	EX600 SI unit	EX250-E3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SDN2A EX600-SMJ2 EX600-SPR1A EX600-SPR1A EX600-SPR3 EX600-SEN3 EX600-SEN3 EX600-SPN1 EX600-SPN1 EX600-WPN2 ⁻¹ EX600-WPN2 ⁻¹ EX600-WN1 ⁻¹ EX600-WN1 ⁻¹ EX600-WN1 ⁻¹ EX600-DXNB EX600-DXNB EX600-DXNB EX600-DXNC1 EX600-DXNC1 EX600-DXPC1 EX600-DXDPC1	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) PROFIBUS DP PNP (Negative common) EtherNet/IP [™] (2 ports) PNP (Negative common) EtherNet/IP [™] (2 ports) PNP (Negative common) PROFIBUS DP PNP (Negative common) PROFIBUS DP NPN (Positive common) PROFINET PNP (Negative common) PROFINET PNP (Negative common) PROFINET NPN (Positive common) Wireless base module EtherNet/IP [™] NPN (Negative common) Wireless base module EtherNet/IP [™] NPN (Positive common) Wireless base module PPOFINET NPN (Negative common) Wireless base module PPN (Positive common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) NPN input, M12 connector, 5 pins (4 pcs.), 8 inputs PNP input, M8 connector, 3 pins (8 pcs.), 8 inputs NPN input, M8 connector, 3 pins (8 pcs.), 8 inputs
6	EX600 SI unit	EX250-IE3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SDN2A EX600-SPR1A EX600-SPR1A EX600-SPR1A EX600-SPR3 EX600-SPN3 EX600-SPN4 EX600-SPN4 EX600-SPN2 EX600-WPN2 ⁻¹ EX600-WPN2 ⁻¹ EX600-WPN2 ⁻¹ EX600-WPN2 ⁻¹ EX600-WSV2 ⁻¹ EX600-WSV2 ⁻¹ EX600-DXNB EX600-DXNC EX600-DXNC EX600-DXNC EX600-DXNC EX600-DXNC EX600-DXND EX600-DXND	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link NPN (Positive common) CC-Link UPN (Positive common) PROFIBUS DP PNP (Negative common) PROFIBUS DP PNP (Negative common) EtherNet/IP™ (2 ports) PNP (Negative common) EtherNet/IP™ (2 ports) NPN (Positive common) PROFIBUS DP PNP (Negative common) PROFINET NPN (Positive common) PROFINET NPN (Positive common) Wireless base module EtherNet/IP™ NPN (Negative common) Wireless base module EROFINET NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless remote module PROFINET NPN (Positive common) Wireless base module PROFINET NPN (Positive common) Wireless remote module NPN (Positive common) Wireless base module PROFINET NPN (Solitive common) Wireless remote module NPN (Positive common) Wireless the module NPN (Positive common) Wireless the module RPN (Positive common) NPN input, M12 connector, 3 pins (4 pcs.), 8 inputs NPN input, M8 connector, 3 pins (6
6	EX600 SI unit	EX250-E3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SDN2A EX600-SMJ2 EX600-SPR1A EX600-SPR3 EX600-SEN3 EX600-SEN3 EX600-SEN4 EX600-SEN4 EX600-SPN1 EX600-SPN1 EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-DXNB EX600-DXNC EX600-DXNC EX600-DXNC	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) CC-Link PNP (Negative common) PROFIBUS DP PNP (Negative common) EtherNet/IP [™] (2 ports) PNP (Negative common) EtherNet/IP [™] (2 ports) PNP (Negative common) PROFIBUS DP PNP (Negative common) PROFINET PNP (Negative common) PROFINET NPN (Positive common) PROFINET NPN (Positive common) PROFINET NPN (Positive common) Wireless base module EtherNet/IP [™] NPN (Negative common) Wireless base module EtherNet/IP [™] NPN (Positive common) Wireless base module EtherNet/IP [™] NPN (Positive common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) Wireless remote module PNP (Negative common) PNP input, M12 connector, 5 pins (4 pcs.), 8 inputs NPN input, M8 connector, 3 pins (6 pcs.), 8 inputs PNP input, M8 connector, 3 pins (8 pcs.), 8 inputs PNP input, M8 connector, 5 pins (8 pcs.), 16 inputs PNP input, M12 connector, 5 pins (8 pcs.), 16 inputs PNP input, D-Sub connector, 5 pins (8 pcs.),
<u>(</u>)	EX600 SI unit	EX250-E3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SDN2A EX600-SPR1A EX600-SPR1A EX600-SPR1A EX600-SPR3 EX600-SPN3 EX600-SPN3 EX600-SPN4 EX600-SPN4 EX600-SPN2 EX600-WPN2 ⁻¹ EX600-WPN2 ⁻¹ EX600-WN1 ⁻¹ EX600-WN2 ⁻¹ EX600-DXNC EX600-DXNC EX600-DXNC EX600-DXNC EX600-DXNC EX600-DXND EX600-DXND EX600-DXND EX600-DXND EX600-DXND	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] PNP (Negative common) CC-Link PNP (Negative common) CC-Link NPN (Positive common) CC-Link NPN (Positive common) PROFIBUS DP NPN (Negative common) PROFIBUS DP PNP (Negative common) EtherNet/IP™ (2 ports) PNP (Negative common) EtherNet/IP™ (2 ports) NPN (Positive common) PROFIBUS DP PNP (Negative common) PROFIBUS DP Softwe common) PROFINET PNP (Negative common) PROFINET NPN (Positive common) Wireless base module EtherNet/IP™ NPN (Positive common) Wireless base module PROFINET NPN (Negative common) Wireless base module PROFINET NPN (Positive common) Wireless remote module PROFINET NPN (Positive common) Wireless remote module PROFINET NPN (Positive common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common) PNP input, M12 connector, 5 pins (4 pcs.), 8 inputs NPN input, M2 connector, 3 pins (8 pcs.), 8 inputs NPN input, M8 connector, 3 pins (8 pcs.), 8 inputs NPN input, M8 connector, 3 pins (8 pcs.), 16 inputs PNP input, M12 connector, 5 pins (6 pcs.), 16 inputs PNP input, D-sub connector, 25 pins, 16 input
(j) (d) (6) (6)	EX600 SI unit	EX250-E3 EX250-EA1 EX250-EA2 EX600-SDN1A EX600-SDN2A EX600-SDN2A EX600-SMJ2 EX600-SPR1A EX600-SPR3 EX600-SEN3 EX600-SEN3 EX600-SEN4 EX600-SEN4 EX600-SPN1 EX600-SPN1 EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-WEN1 ⁻¹ EX600-DXNB EX600-DXNC EX600-DXNC EX600-DXNC	M8 4 inputs Direct mounting Direct mounting DIN rail mounting DeviceNet [®] PNP (Negative common) DeviceNet [®] NPN (Positive common) CC-Link NPN (Positive common) CC-Link NPN (Positive common) CC-Link NPN (Positive common) PROFIBUS DP NPN (Negative common) EtherNet/IP [™] (2 ports) NPN (Positive common) EtherNet/IP [™] (2 ports) NPN (Positive common) PROFINET NPN (Positive common) PROFINET NPN (Positive common) PROFINET NPN (Positive common) PROFINET NPN (Positive common) PROFINET NPN (Positive common) Wireless base module EtherNet/IP [™] NPN (Positive common) Wireless base module EtherNet/IP [™] NPN (Positive common) Wireless base module EtherNet/IP [™] NPN (Positive common) Wireless remote module PNF (Negative common) Wireless remote module PNP (Negative common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common) Wireless remote module NPN (Positive common) PNP input, M12 connector, 5 pins (4 pcs.), 8 inputs NPN input, M8 connector, 3 pins (6 pcs.), 8 inputs PNP input, M8 connector, 3 pins (8 pcs.), 16 inputs PNP input, M8 connector, 5 pins (8 pcs.), 16 inputs PNP input, M12 connector, 5 pins (8 pcs.), 16 inputs PNP input, D-sub connector, 5 pins (6 pcs.), 1

*1. The wireless system is suitable for use only in a country where it is in accordance with the Radio Act and regulations of that country.

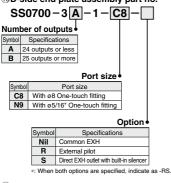
S0700 Series

Manifold Assembly Part No.

<Housing Assembly and SI Unit, Input Block>

No.	Description	Part no.	Note
		EX600-DYNB	NPN output, M12 connector, 5 pins (4 pcs.), 8 outputs
		EX600-DYPB	PNP output, M12 connector, 5 pins (4 pcs.), 8 outputs
	EX600 digital output unit	EX600-DYNE	NPN output, D-sub connector, 25 pins, 16 outputs
	Ex600 digital output unit	EX600-DYPE	PNP output, D-sub connector, 25 pins, 16 outputs
		EX600-DYNF	NPN output, Spring type terminal block, 32 pins, 16 outputs
		EX600-DYPE	PNP output, Spring type terminal block, 32 pins, 16 outputs
6		EX600-DMNE	NPN input/output, D-sub connector, 25 pins, 8 inputs/outputs
	EX600 digital I/O unit	EX600-DMPE	PNP input/output, D-sub connector, 25 pins, 8 inputs/outputs
		EX600-DMNF	NPN input/output, Spring type terminal block, 32 pins, 8 inputs/outputs
		EX600-DMPF	PNP input/output, Spring type terminal block, 32 pins, 8 inputs/outputs
	EX600 analog input unit	EX600-AXA	M12 connector, 5 pins (2 pcs.), 2-channel input
	EX600 analog output unit	EX600-AYA	M12 connector, 5 pins (2 pcs.), 2-channel output
	EX600 analog I/O unit	EX600-AMB	M12 connector, 5 pins (4 pcs.), 2-channel input/output
		EX600-ED2	M12 power supply connector, B-coded
		EX600-ED2-2	M12 power supply connector, B-coded, with DIN rail mounting bracket
		EX600-ED3	7/8 inch power supply connector
(7)	EX600 end plate	EX600-ED3-2	7/8 inch power supply connector, with DIN rail mounting bracket
Û	Exodo ena plate	EX600-ED4	M12 power supply connector IN/OUT, A-coded, Pin arrangement 1
		EX600-ED4-2	M12 power supply connector IN/OUT, A-coded, Pin arrangement 1, with DIN rail mounting bracket
		EX600-ED5	M12 power supply connector IN/OUT, A-coded, Pin arrangement 2
		EX600-ED5-2	M12 power supply connector IN/OUT, A-coded, Pin arrangement 2, with DIN rail mounting bracket
8	EX600 valve plate	EX600-ZMV1	Enclosed parts: Round head screw (M4 x 6) 2 pcs, Round head screw (M3 x 8) 4 pcs.
9	EX600 bracket for end plate	EX600-ZMA2	This bracket is used for the end plate of DIN rail mounting.
10	EX500 SI unit	EX500-S103	EX500 Gateway Decentralized System 2 Negative common (PNP)
11	D-sub connector housing assembly	VVQC1000-F25-1	F kit, 25 pins
(12)	Flat ribbon cable housing assembly	VVQC1000-P26-1	P kit, 26 pins
~	•	VVQC1000-P20-1	P kit, 20 pins
13	Terminal block box housing assembly	VVQC1000-T0-1	T kit
~		VVQC1000-L25-0-1	L kit, Lead wire length 0.6 m
14	Lead wire housing assembly	VVQC1000-L25-1-1	L kit, Lead wire length 1.5 m
		VVQC1000-L25-2-1	L kit, Lead wire length 3.0 m
(15)	Circular connector housing assembly	VVQC1000-M26-1	M kit, 26 pins

16D-side end plate assembly part no.



19Fitting assembly part no. VVQ0000-50A-C4 Port size Cumhal A multiple and a start

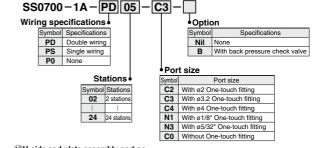
Symbol	Applicable tube
C2	Applicable tube ø2
C3	Applicable tube ø3
C4	Applicable tube ø4
N1	Applicable tube ø1/8"
N3	Applicable tube ø5/32"

*: Purchasing order is available in units of

10 pieces.

*: For One-touch fittings replacement, refer to Specific Product Precautions.

(DManifold block assembly Tie-rod (2 pcs.) and lead wire assembly for extensions are attached.



18U-side end plate assembly part no. SS0700-2A-2

<Replacement Parts for Manifold Block> <Replacement Parts for Valve> Replacement Parts

No.	Description	Part no.	Qty.
20	Gasket	SS0700-80A-2	10* ¹
21	Clip	SS0700-80A-4	10* ¹
22	Tie-rod assembly	SS0700-TR-	2*2

*1: 1 set includes 10 pieces.

*2: 1 set includes 2 pieces. Please order when eliminating manifold stations. When adding stations, tie-rods are attached to the manifold block assembly. Therefore, it is not necessary to order. □: Stations 02 to 24

Replacement Parts

No.	Description	Part no.	Qty.
23	Gasket, Screw	S0700-GS-5	10

*: Above part number consists of 10 units. Each unit has one gasket and two screws.



How to Add Manifold Stations (Plug-in Type/Lead Wire Connection Type)

What to order

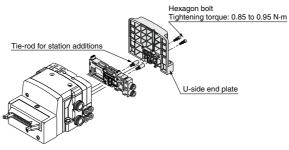
Manifold block assembly (Refer to ① on page 1028.)

Steps for adding stations

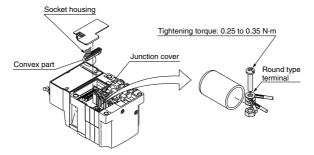
① Loosen hexagon bolts from the end plate at the U-side and remove the end plate.

② Connect the tie rod for increasing the station number, open the junction cover, mount the manifold block assembly and U-side end plate and tighten them by hexagon bolts.

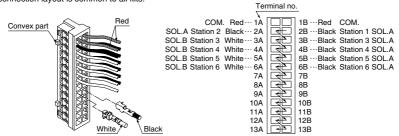
(Tightening torque: 0.85 to 0.95 N·m)



③ Connect the round type terminal of red lead wire to the common terminal inside the junction cover.



④ Take out the socket housing and connect the black and white lead wires. The connection layout is common to all kits.



Note) This drawing shows a special wiring specification (K) manifold with single wiring for stations 1 and 2 and double wiring for stations 3 to 6.

Plug-in Type S0700 Series Manifold Optional Parts

Slim compact

Bar base (SS0751)

ଞ୍ଚା ହାର

Symbol

TTT

11

22

8.5

Slim Compact Bar Base Stacking Base

Blanking plate assembly

SS0700-10A-1/SS0700-10A-3

It is used by attaching on the manifold base for being prepared for removing a valve for maintenance reasons or planning to mount a valve, etc.

Weight: 25 g

Applicable ma	nifold	Part no.	Weight
Slim compact Bar base	SS0751	SS0700-10A-3	8 g
Plug-in type Stacking base	SS0750	SS0700-10A-1	25 g

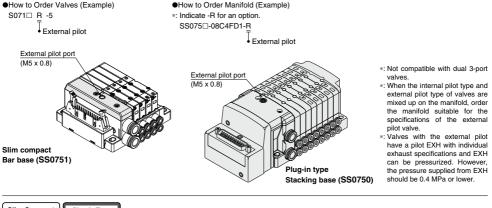
Slim Compact	Plug-in Type
Bar Base	Stacking Base

External pilot [-R]

This can be used when the air pressure is 0.1 to 0.2 MPa lower than the minimum operating pressure of the solenoid valves or used for vacuum specifications. Add -R to the part numbers of manifolds and valves to indicate the external pilot specifications. An M5 port will be installed on the top side of the manifold's SUP/EXH block.

Plug-in type

Stacking base (SS0750)

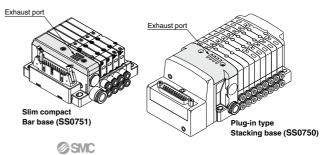


Slim Compact	Plug-in Type
Bar Base	Stacking Base

Direct EXH outlet with built-in silencer [-S]

This is a type with an exhaust port atop the manifold end plate. The built-in silencer exhibits an excellent noise suppression effect. (Noise reduction: 30 dB)

- *: A large quantity of drainage generated in the air source results in exhaust of air together with drainage.
- *: When ordering this option incorporated with a manifold, suffix -S to the end of the manifold part number.
- *: For precautions on handling and how to replace elements, refer to Specific Product Precautions.



Plug-in Type Stacking Base Block plate (Ordering not required) Spacer for SUP Individual SUP/EXH spacer D side Valve Valve individual 3 (B) SS0700-PR-1 If this spacer is installed instead of a valve, it is possible to add SUP and EXH ports. In this condition, the A port should be an SUP port EXH port and the B port an EXH port. SUP *: Specify the spacer mounting position and SUP/EXH passage shut off port positions on the manifold specification sheet. PR 8.5 BA BA *: The spacer comes with a SUP block plate and an EXH block plate. *: Electrical wiring is also connected to the spacer mounting position. *: Do not install any back pressure check valve on the manifold station, on which the spacer is to be mounted. When installing the back pressure check valve on other manifold station, be sure to specify the manifold station position on the manifold specification sheet instead of ordering by specifying the manifold option symbol B. Port size Slim Compact Bar Base Symbol Applicable tube Í. C2 Applicable tube ø2 Individual SUP spacer C3 Applicable tube ø3 C4 Applicable tube ø4 SS0700-P-3-C4 56 N1 Applicable tube ø1/8' N3 Applicable tube ø5/32" 8 20 Mounted on the manifold block to make an independent supply port when each solenoid valve uses different operating pressure. Weight: 15 g Port size Slim Compact Bar Base Symbol Applicable tube C2 Applicable tube ø2 Individual EXH spacer C3 Applicable tube ø3 C4 Applicable tube ø4 SS0700-R-3-C4 N1 Applicable tube ø1/8 99 N3 Applicable tube ø5/32" 8 8 Mounted on the manifold block to make an independent exhaust port when the exhaust from one valve affects valves on other stations in the air circuit. Weight: 15 g Plug-in Type 42 Stacking Base SUP block plate 9.8 SS0700-B-P When different pressures, high and low, are supplied to one U side manifold, a SUP block plate is inserted between the stations

under different pressures.

*: Specify the number of stations on the manifold specification sheet.

<Block indication label>

When using block plates for SUP passage, indication label for confirmation of the blocking position from outside is attached. (One label of each)

*: When ordering a block plate for SUP incorporated with the manifold, a block indication label is attached to the manifold.

Weight: 0.3 g



SUP/EXH passage blocked



SUP passage blocked SMC

R

Р

S0700 Series



EXH block plate

SS0700-B-R

When valve exhaust affects the other stations on the circuit, insert EXH block plate in between stations to separate valve exhaust.

*: Specify the number of stations on the manifold specification sheet.

<Block indication label>

When using block plates for EXH passage, indication label for confirmation of the blocking position from outside is attached. (One label of each)

*: When ordering a block plate for EXH incorporated with the manifold, a block indication label is attached to the manifold.

Weight: 0.3 g



Back pressure check valve [-B]

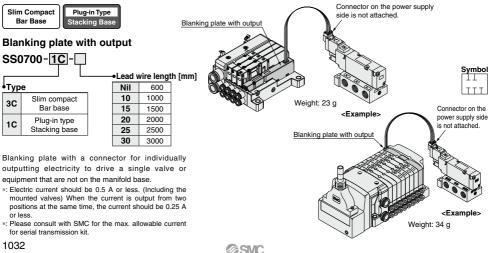
SS0700-7A-1

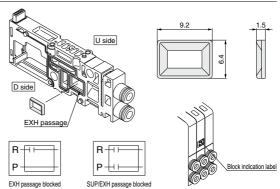
It prevents cylinder malfunction caused by other valve exhaust. Insert it into R (EXH) port on the manifold side of a valve which is affected. It is effective when a single action cylinder is used, etc.

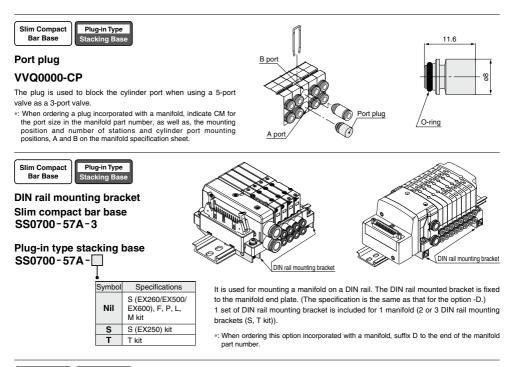
- *: When a check valve for back pressure prevention is desired, and is to be installed only in certain manifold stations, clearly write the part number and specify the number of stations on the manifold specification sheet
- *: When ordering this option incorporated with a manifold, suffix -B to the end of the manifold part number.

Weight: 0.1 g ∧ Caution

- 1. The manifold installed type back pressure check valve assembly is assembly parts with a check valve structure. However, since slight air leakage against the back pressure is allowed due to its structure, adverse effects of the back pressure due to increase in exhaust resistance cannot be prevented if the manifold exhaust port and other exhaust ports are put together for piping or if the piping diameter is narrowed. As a result, this may cause the actuator and air operated equipment to malfunction. So, be careful not to restrict the exhaust air. 2. When a back pressure check valve is mounted, the effective area of the valve will decrease by about 20%.
- 3. When operating the cylinder by the external force, the cylinder is difficult to operate if the back pressure check valve is mounted.







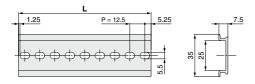
Slim Compact	Plug-in Type				
Bar Base	Stacking Base				

Applicable to DIN rail mounting

Each manifold can be mounted on a DIN rail.

Order it by indicating a manifold mounting symbol for DIN rail mounting [-D].

Standard DIN rail which is approx. 30 mm longer than the manifold with the specified number of stations is attached. The following options are also available.



DIN rail length longer than the standard (for stations to be added later, etc.)

In the manifold part number, specify -D for the manifold mounting symbol and add the number of required stations after the symbol.

Example) SS0750-08C4FD0-D09K

8-station manifold

 Optional symbol (alphabetically)

DIN rail for 9 stations

How to Order DIN rail only

DIN rail part number

*: For n, enter a number from the No. line in the table below. For L dimension, refer to the dimensions of each kit.

L Dimension L = 12.5 x n + 10.5 No 9 10 1 2 3 4 5 6 8 23 35.5 48 60.5 85.5 98 110.5 123 135.5 L dimension 73 12 13 14 15 16 18 19 20 No 11 160.5 185.5 210.5 235.5 L dimension 148 173 198 248 260.5 24 No 21 22 23 25 26 28 29 30 L dimension 273 285.5 298 310.5 323 335.5 348 360.5 373 385.5 31 32 33 34 35 36 37 38 39 40 No L dimension 398 410.5 423 435.5 448 460.5 473 485.5 498 510.5

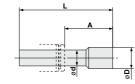
S0700 Series

Slim Compact Plug-in Type Bar Base Stacking Base

Blanking plug (For One-touch fittings)

KJP-02

23 KQ2P-04 06



Dimensions [mm]					
Applicable fitting size ø d	Model	Α	L	D	Weight: g
2	KJP-02	8.2	17	3	0.1
3.2	KQ2P-23	16	31.5	3.2	1
4	KQ2P-04	16	32	6	1
6	KQ2P-06	18	35	8	1

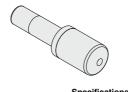
It is inserted into an unused cylinder port and SUP/EXH ports. Purchasing order is available in units of 10 pieces.



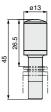
Silencer (For EXH port)

This silencer is to be inserted into the EXH port (One-touch fitting) of the common exhaust type.

AN15-C08



•••



specifications		
Model	Effective area [mm ²] (Cv factor)	Noise reduction [dB]
AN15-C08	20 (1.1)	30



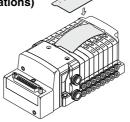
Name plate [-N]

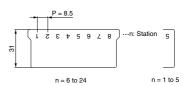
SS0700-N-Station (1 to max. stations)

It is a transparent resin plate for placing a label that indicates solenoid valve function, etc.

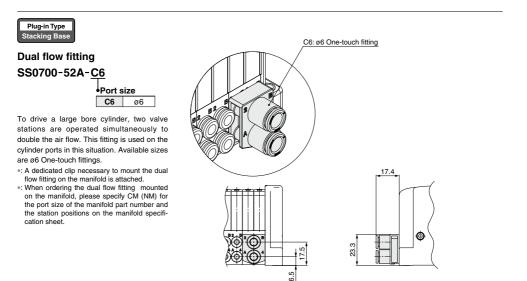
Insert it into the groove on the side of the end plate and bend it as shown in the figure.

*: When ordering this option incorporated with a manifold, suffix -N to the end of the manifold part number.





Manifold Optional Parts **S0700** Series





SUP/EXH block

SS07(00-PF	R-1-C6				
			•Optio	'n		
P, Rp	ort size		Nil	Internal pilot, Common exhaust (Standar	rd)	
(When the po	ort size is a diffe	rent diameter, the P port size is shown.)	R	External pilot	- i	
C0 With	hout One-	touch fitting (With a clip)	S	Direct exhaust (Built-in silencer)		
C6	With ø6	One-touch fitting	RS	External pilot + Direct exhaust		
C8	With ø8	3 One-touch fitting				
N7	With ø1/	4" One-touch fitting				
N9	With ø5/1	6" One-touch fitting			Γ	Stations
						Description/Model 1 2 3 4
	(P and R i	■ R port size ■ port sizes are different diameters.)				_☉ Single ZΣ () → →
	Nil	Same diameter and built-in silencer S		For external pilot		
	C6	With ø6 One-touch fitting				_ SUP/EXH block
	C8	With ø8 One-touch fitting	\sim	For direct exhaust		5017LAT BIOCK SS0700-PR-1-C6-□ ●
	N7	With ø1/4" One-touch fitting			Ċ	5
	N9	With ø5/16" One-touch fitting		TO A	L	
It is added to the manifold to increase SUP/ EXH capacity. *: SUP/EXH blocks are not included in the number of manifold stations. *: Specify the mounting position on the manifold specification sheet. Dide Valve Valve Valve block Uside 1(P) Uside Uside 1(P) Uside 1(P) Uside 2(A) 2(A) 2(A) 1(B) (B)(A) (B)(A) (P)(R)						

1035

S0700 Series

Slim Compact	Plug-in Type		
Bar Base	Stacking Base		

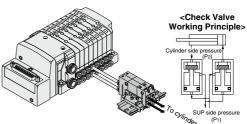
Double check block (Separated)

VQ1000-FPG-

It is used on the outlet side piping to keep the cylinder in the intermediate position for long periods of time. Combining the double check block with a built-in pilot type double check valve and a 2-position single/double solenoid valve will permit this block to be used for preventing the dropping at the cylinder stroke end when the SUP residual pressure is released.

Specifications

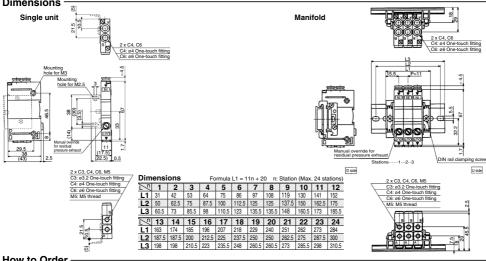
0.8 MPa
0.15 MPa
-5 to 50°C
0.60 dm ³ /(s·bar)
180 c.p.m



^{ro cylinder port}

VVQ1000-FPG-02 1 set *: VQ1000-FPG-C6M5-D 2 pcs.

Dimensions



*: Based on JIS B 8375-1981 (Supply pressure: 0.5 MPa)

How to Order

Single unit, double check block VQ1000-FPG-C4 M5-F

IN side port size C4 ø4 One-touch fitting C6 ø6 One-touch fitting

	ч <u>е</u>			
•OUT side port size				
M5	M5 thread			
C3	ø3.2 One-touch fitting			
C4	ø4 One-touch fitting			
C6	ø6 One-touch fitting			

l	00	
Manifold (DIN rail mounti	ng)	
VVQ1000-FPG-06		

Stations

When ordering a double check block, 01 1 station order the DIN rail mounting [-D] 16 16 stations

<Example>

VVQ1000-FPG-06---6-station manifold

*: VQ1000-FPG-C4M5-D: 3 sets Double check *: VQ1000-FPG-C6M5-D: 3 sets block

Bracket Assembly

Part no.	Tightening torque
VQ1000-FPG-FB	0.22 to 0.25 N·m

Caution

 Air leakage from the pipe between the valve and cylinder or from the fittings will prevent the cylinder from stopping for long periods of time. Check the leakage using neutral household detergent, such as dish washing soap. Also, check the cylinder's tube gasket, piston seal

Option

None

With bracket DIN rail mounting (For manifold)

With name plate When two or more symbols are specified, indicate them alphabetically, Example) -DN

Nil

F

D Ν

and rod seal for air leakage. Since One-touch fittings allow slight air leakage,

screw piping (with M5 thread) is recommended when stopping the cylinder in the middle for long periods of time

SMC

<Example> 2-position 5(R1) 5(R1) 1(P) 1(P) 3(B2) - 3(R2) Ø

2(B) 4(A)

- M5 fitting assembly is attached, not incorporated into the double check block. After screwing in the M5 fittings, mount the assembly on the double check block. {Tightening torque: 0.8 to 1.2 N·m}
- If the exhaust of the double check block is restricted too much, the cylinder may not operate properly and may not stop intermediately. Set the cylinder load so that the cylinder pressure will
- be within two times that of the supply pressure



Be sure to read this before handling the products. For safety instructions and 3/4/5-port solenoid valve precautions, refer to the "Handling Precautions for SMC Products" and the "Operation Manual" on the SMC website: https://www.smcworld.com

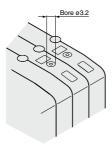
Manual Override

Warning

The manual override is used for switching the main valve.

Push type (Tool required)

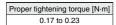
Push down on the manual override button with a small screwdriver until it stops.

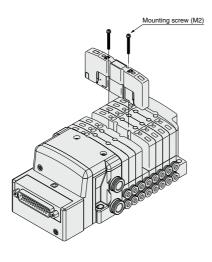


How to Mount Valve

ACaution

Tighten the bolts firmly to stop the gasket from coming away from the valve using the appropriate torque as shown on the following table.



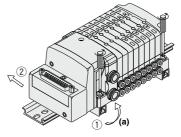


How to Mount/Remove DIN Rail

▲ Caution

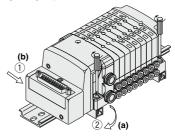
Removal

- 1) Loosen the clamping screw of the end plate on both sides.
- 2) Lift side (a) of the manifold base and slide the end plate in the direction of 2 shown in the figure to remove.



Mounting

- 1) Hook side (b) of the manifold base on the DIN rail.
- Press down side (a) and mount the end plate on the DIN rail. Tighten the clamping screw on side (a) of the end plate. The proper tightening torque for screws is 0.4 to 0.6 N·m.



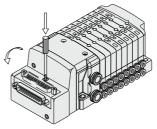
How to Change Connector Entry Direction

A Caution

<Plug-in manifold stacking base>

The connector entry direction can be changed from the top to the side by simply pressing the manual release button.

It is not necessary to use the manual release button when switching from the side to the top.





Be sure to read this before handling the products. For safety instructions and 3/4/5-port solenoid valve precautions, refer to the "Handling Precautions for SMC Products" and the "Operation Manual" on the SMC website: https://www.smcworld.com

Built-in Silencer Element

A Caution

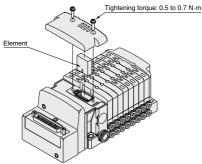
<Plug-in type only>

A silencer element is incorporated in the end plate on both sides of the base. A dirty and choked element may reduce cylinder speed or cause a malfunction. Clean or replace the dirty element.

Element Part No.

Туре	Element part no.
Slim compact plug-in manifold bar base SS0751	SS0700-83A
Plug-in manifold stacking base SS0750	SS0700-82A

*: Above part number is for a set of ten elements.



Remove the cover from the side of the end plate and remove the old element with a flat blade screwdriver, etc.

How to Replace Cylinder Port Fittings

\land Warning

The cylinder port fittings are a cassette for easy replacement. The fittings are blocked by a clip inserted from the top of the valve.

Remove the clip with a flat blade screwdriver to remove fittings. For replacement, insert the fitting assembly until it strikes against the inside wall and then re-insert the clip to the specified position.

	Applicable tube O.D.	One-touch fitting part no.	
Clip	Applicable tube ø2	VVQ0000-50A-C2	
	Applicable tube ø3.2	VVQ0000-50A-C3	
	Applicable tube ø4	VVQ0000-50A-C4	
₿_Ø	Applicable tube ø1/8"	VVQ0000-50A-N1	
	Applicable tube ø5/32"	VVQ0000-50A-N3	
	*: Part number is for one fitting assembly. Please order it in units of 10 pieces.		
	Fitting assembly		

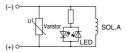
Internal Wiring Specifications

A Caution

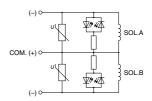
Light/surge voltage suppressor

No polarity by adopting non-polar light.

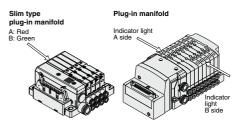
Single



Double, Dual 3-port



*: Coil surge voltage generated when OFF is about -60 V. Please contact SMC separately for further suppression of the coil surge voltage.



Surge Voltage Intrusion

A Caution

The surge voltage created when the power supply is cut off could apply to the de-energized load equipment through the output circuit. In cases where the energized load equipment has a larger capacity (power consumption) and is connected to the same power supply as the product, the surge voltage could malfunction and/or damage the internal circuit element of the product and the internal device of the output equipment. To avoid this situation, place a diode which can suppress the surge voltage between the COM lines of the load equipment and output equipment.



Be sure to read this before handling the products. For safety instructions and 3/4/5-port solenoid valve precautions, refer to the "Handling Precautions for SMC Products" and the "Operation Manual" on the SMC website: https://www.smcworld.com

Serial EX500/EX250/EX260 Precautions

∆ Warning

1. These products are intended for use in general factory automation equipment.

Avoid using these products in machinery/equipment which affects human safety, and in cases where malfunction or failure can result in extensive damage.

- 2. Do not use in an explosive atmosphere, environment with inflammable gases, or corrosive atmosphere. This can cause injury or fire, etc.
- Work such as transporting, installing, piping, wiring, operation, control and maintenance should be performed by personnel with specialized knowledge. There is a danger of electrocution, injury or fire, etc.
- Install an external emergency stop circuit that can promptly stop operation and shut off the power supply.
- 5. Do not remodel these products, as there is a danger of injury and damage.

≜Caution

- 1. Read the operation manual carefully, strictly observe the precautions and operate within the range of the specifications.
- 2. Do not drop these products or submit them to strong impacts. This can cause damage, failure or malfunction, etc.
- In locations with poor electrical conditions, take steps to ensure a steady flow of the rated power supply. Use of a voltage outside of the specifications can cause malfunction, damage to the unit, electrocution or fire, etc.
- 4. Do not touch connector terminals or internal substrates when current is being supplied. There is a danger of malfunction, damage to the unit or electrocution if connector terminals or internal substrates are touched when current is being supplied.

Be sure that the power supply is OFF when adding or removing manifold valves or input blocks, etc., or when connecting or disconnecting connectors.

- 5. Operate at an ambient temperature that is within the specifications. Even when the ambient temperature range is within the specifications, do not use in locations where there are rapid temperature changes.
- 6. Keep wire scraps and other extraneous material from getting inside these products. This can cause fire, failure or malfunction, etc.
- This product is not constructed to withstand water or oil penetration. Therefore it should be fitted with a protective cover when used in environments where it could be exposed to water or oil splash.
- 8. Observe the proper tightening torque. There is a possibility of damaging threads if tightening exceeds the tightening torque range.
- 9. Adjustment/Operation

DIP switches and rotary switches should be set with a small watchmakers' screwdriver.

▲ Caution

- 10. Provide adequate protection when operating in locations such as the following:
 - Where noise is generated by static electricity, etc.
 - Where there is a strong electric field
 - · Where there is a danger of exposure to radiation
 - When in close proximity to power supply lines
- 11. When these products are installed in equipment, provide adequate protection against noise by using noise filters, etc.
- 12. Since these products are components that are used after installation in other equipment, the customer should confirm conformity to EMC directives for the finished product.
- 13. Do not remove the name plate.
- Perform periodic inspections and confirm normal operation. It may otherwise be impossible to guarantee safety due to unexpected malfunction or erroneous operation.
- 15. For the EX260-SPN□, the side of the SI unit may become hot.

It may cause burns.

16. Do not use this product in places where there are cyclic temperature changes.

In case that the cyclic temperature is beyond normal temperature changes, the inside product is likely to be adversely affected.

- Do not use in direct sunlight. Do not use in direct sunlight. It may cause a malfunction or damage.
- 18. Do not use in places where there is radiated heat around it.

Such a place is likely to cause a malfunction.

Safety Instructions on Power Supply

▲ Caution

- Operation is possible with a single power supply or a separate power supply. However, be sure to provide two wiring systems (one for solenoid valves, and one for input and control units).
- 2. When applicable to UL, use a Class 2 power supply unit conforming to UL1310 for direct current power supply.





Be sure to read this before handling the products. For safety instructions and 3/4/5-port solenoid valve precautions, refer to the "Handling Precautions for SMC Products" and the "Operation Manual" on the SMC website: https://www.smcworld.com

Serial EX500/EX250/EX260 Precautions

Safety Instructions on Cable

A Caution

- 1. Be careful of miswiring. This can cause malfunction, damage and fire in the unit.
- 2. Do not connect cables during energizing.

This could damage or cause malfunction to the SI unit.

- 3. To prevent noise and surge in signal lines, keep all wiring separate from power lines and high voltage lines. Otherwise, this can cause malfunction.
- 4. Check wiring insulation, as defective insulation can cause damage to the unit due to excessive voltage or current.
- 5. Do not bend or pull cables repeatedly, and do not place heavy objects on them or allow them to be pinched. This can cause broken lines.

Serial EX510 Precautions

Design/Selection

MWarning

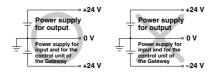
- Use within the allowable voltage range.
 Using beyond the allowable voltage range is likely to cause the units and connecting devices to be damaged or to malfunction.
- 2. Do not use beyond the specification range. Using beyond the specification range is likely to cause a fire, malfunction, or breakdown in the units and connecting devices. Check the specifications before handling.
- Establish a backup system beforehand, which employs fail-safe concepts such as multiple equipment and devices to prevent breakage or malfunction of this product.
- Provide an external emergency stop circuit that will immediately stop an operation and cut off the power supply.

5. When using for an interlock circuit:

- Provide a double interlock which is operated by another system (such mechanical protection function).
- Perform an inspection to check that it is working properly because it can cause possible injuries.

ACaution

- Keep the surrounding space free for maintenance. When designing a system, take into consideration the amount of free space needed for performing maintenance.
- 2. When applicable to UL, use a Class 2 power supply unit conforming to UL1310 for direct current power supply.
- This product is one of the components to be equipped into a final equipment. Confirm the adaptability to the EMC directive as the whole equipment by customers themselves.
- 4. The power supply for the Gateway unit should be 0 V as the standard for both power supply for outputs as well as inputs and for the control unit of the Gateway.



Mounting

▲ Caution

1. Do not drop, bump, or apply excessive impact.

- Otherwise, the unit can become damaged, malfunction, or fail to function.
- 2. Hold the body while handling this product.

Otherwise, the unit can become damaged, malfunction, or fail to function.

3. Observe the tightening torque range.

Tightening outside of the allowable torque range will likely damage the product.

4. Do not install a unit in a place where it can be used as a scaffold.

Applying any excessive load such as stepping on the unit by mistake or placing a foot on it, will cause it to break.





Be sure to read this before handling the products. For safety instructions and 3/4/5-port solenoid valve precautions, refer to the "Handling Precautions for SMC Products" and the "Operation Manual" on the SMC website: https://www.smcworld.com

Serial EX510 Precautions

Wiring

A Warning

1. Avoid miswiring.

If miswired, there is a probability of damaging units or connecting devices.

- 2. Do not wire while energizing the product.
 - It is likely to damage the units or connecting devices
- 3. Avoid wiring the power line and high pressure line in parallel.

Noise or surge produced by signal line resulting from the power line or high pressure line could cause a malfunction. Wiring of the reduced wiring system and the power line or high pressure line should be separated from each other.

4. Check the wiring insulation.

Inferior insulation (contact with other circuit, insulation between terminals, etc.) will likely cause damage to the units or connecting devices due to excessive voltage or the influx of current.

A Caution

1. Take measures to avoid applying repeated bending force or pulling force to the cable.

Also, pay attention not to place any heavy matter on the cable or clipping. It is likely to cause a broken wire.

 Check the grounding to maintain the safety of the reduced wiring system and for anti-noise performance. Grounding should be close to units and keep the grounding distance short.

Operating Environment

Warning

1. Do not use this product in the presence of dust, particles, water, chemicals, and oil.

Use with such materials is likely to cause a malfunction or breakage.

2. Do not use this product in the presence of a magnetic field.

Use in such an environment is likely to cause a malfunction.

- 3. Do not use this product in an atmosphere containing an inflammable gas, explosive gas, or corrosive gas. Use in such an atmosphere is likely to cause a fire, explosion, or corrosion. This wire-reduced system is not explosion-proof.
- 4. Do not use this product in places where there are cyclic temperature changes.

In case that the cyclic temperature is beyond normal temperature changes, the internal unit is likely to be adversely affected.

5. Do not use this product in places where there is radiated heat around it.

Such a place is likely to cause a malfunction or breakage.

6. Do not use this product near sources that generate a surge which exceeds the benchmark test, even though this product is CE/UKCA-marked certified.

The internal circuit components are likely to deteriorate or become damaged when there are equipment (solenoid type lifter, high frequency guided furnace, motor, etc.) which generate a large surge around the reduced wiring system. Take measures to prevent an electrical surge and avoid having the wires touch each other.

Operating Environment

\land Warning

- Use the product type that has an integrated surge absorption element when directly driving a load which generates surge voltage by relay or solenoid valves.
- 8. The reduced wiring system should be installed in places with no vibration or shock.

Such a place is likely to cause a malfunction or breakage.

- Do not use in direct sunlight.
 Do not use in direct sunlight. It may cause a malfunction or damage.
- 10. Use this product within the specified ambient temperature range.

This may cause a malfunction.

Adjustment/Operation

\land Warning

1. Do not short-circuit a load.

If a load is short-circuited, excessive current can cause damage to the connected devices. The fuse of the input unit will melt. The output and SI unit will activate its overcurrent protection function. However, they cannot cover all modes, so damage is likely to occur.

2. Do not manipulate or perform settings with wet hands. Performing such activity will likely cause an electrical shock.

A Caution

1. DIP switches and rotary switches should be set with a small watchmakers' screwdriver.

Maintenance

\land Warning

1. Do not disassemble, modify (including circuit board replacement) or repair this product.

Such actions are likely to cause injuries or breakage.

2. Perform periodic inspection.

Confirm that wiring or screws are not loose. Otherwise, unpredicted malfunction in the system composition devices is likely to occur.

- 3. When an inspection is performed.
 - Turn off the power supply.
 - Stop the supplied fluid and discharge the fluid in the piping and confirm the release to the atmosphere before performing an inspection. It is likely to cause injuries.

▲ Caution

1. Do not wipe this product with chemicals such as benzine or thinner.

Using such chemicals is likely to cause damage.





Be sure to read this before handling the products. For safety instructions and 3/4/5-port solenoid valve precautions, refer to the "Handling Precautions for SMC Products" and the "Operation Manual" on the SMC website: https://www.smcworld.com

Serial EX600 Precautions

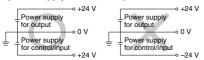
Design/Selection

\land Warning

- Use this product within the specification range. Using beyond the specifications range can cause fire, malfunction, or damage to the system. Check the specifications when operating.
- 2. When using for an interlock circuit:
 - Provide a multiple interlock system which is operated by another system (such as mechanical protection function).
 - Perform an inspection to confirm that it is working properly. This may cause possible injury due to malfunction.

ACaution

- When applicable to UL, use a Class 2 power supply unit conforming to UL1310 for direct current power supply.
- Use this product within the specified voltage range. Using beyond the specified voltage range is likely to cause the units and connecting devices to be damaged or to malfunction.
- The power supply for the unit should be 0 V as the standard for both power supply for output as well as power supply for control/input.



4. Do not install a unit in a place where it can be used as a foothold.

Applying any excessive load such as stepping on the unit by mistake or placing a foot on it, will cause it to break.

- Keep the surrounding space free for maintenance. When designing a system, take into consideration the amount of free space needed for performing maintenance.
- 6. Do not remove the name plate.

Improper maintenance or incorrect use of operation manual can cause failure and malfunction. Also, there is a risk of losing conformity with safety standards.

 Beware of inrush current when the power supply is turned on. Some connected loads can apply an initial charge current which will trigger the over current protection function, causing the unit to malfunction.

Mounting

A Caution

- 1. When handling and assembling units:
 - Do not touch the sharp metal parts of the connector or plug.
 - Do not apply excessive force to the unit when disassembling.
 - The connecting portions of the unit are firmly joined with seals.
 - When joining units, take care not to get fingers caught between units. Injury can result.

Mounting

▲Caution

- 2. Do not drop, bump, or apply excessive impact.
 - Otherwise, the unit can become damaged, malfunction, or fail to function.
- 3. Observe the tightening torque range.

Tightening outside of the allowable torque range will likely damage the product.

IP67 protection class cannot be guaranteed if the screws are not tightened to the specified torque.

 When lifting a large size manifold solenoid valve unit, take care to avoid causing stress to the valve connection joint.

The connection parts of the unit may be damaged. Because the unit may be heavy, carrying and installation should be performed by more than one operator to avoid strain or injury.

 When placing a manifold, mount it on a flat surface. Torsion in the whole manifold can lead to trouble such as air leakage or defective insulation.

Wiring

∧ Caution

1. Check the grounding to maintain the safety of the reduced wiring system and for anti-noise performance.

Provide a specific grounding as close to the unit as possible to minimize the distance to grounding.

2. Avoid repeatedly bending or stretching the cable and applying a heavy object or force to it.

Wiring applying repeated bending and tensile stress to the cable can break the circuit.

Avoid miswiring.

If miswired, there is a danger of malfunction or damage to the reduced wiring system.

4. Do not wire while energizing the product.

There is a danger of malfunction or damage to the reduced wiring system or input/output equipment.

5. Avoid wiring the power line and high pressure line in parallel.

Noise or surge produced by signal line resulting from the power line or high pressure line could cause malfunction. Wiring of the reduced wiring system or input/output device

and the power line or high pressure line should be separated from each other.

6. Check the wiring insulation.

Defective insulation (contact with other circuits, improper insulation between terminals, etc.) may cause damage to the reduced wiring system or input/output device due to excessive voltage or current.



Be sure to read this before handling the products. For safety instructions and 3/4/5-port solenoid valve precautions, refer to the "Handling Precautions for SMC Products" and the "Operation Manual" on the SMC website: https://www.smcworld.com

Serial EX600 Precautions

Wiring

A Caution

- 7. When a reduced wiring system is installed in machinery/equipment, provide adequate protection against noise by using noise filters, etc. Noise in signal lines may cause a malfunction.
- 8. When connecting wires of input/output device or handheld terminal, prevent water, solvent or oil from entering inside from the connecter section. This can cause damage, equipment failure or malfunction.
- 9. Avoid wiring patterns in which excessive stress is applied to the connector.

This may cause malfunction or damage to the unit due to contact failure.

Operating Environment

\land Warning

1. Do not use in an atmosphere containing an inflammable gas or explosive gas.

Use in such an atmosphere is likely to cause a fire or explosion. This system is not explosion-proof.

A Caution

1. Select the proper type of enclosure according to the environment of operation.

IP65/67 is achieved when the following conditions are met.

- 1) Provide appropriate wiring between units using electrical wiring cables, communication connectors and cables with M12 connectors.
- Suitable mounting of each unit and manifold valve.

Be sure to mount a seal cap on any unused connectors.

If using in an environment that is exposed to water splashes, please take measures such as using a cover.

When the enclosure is IP40, do not use in an operating environment or atmosphere where it may come in contact with corrosive gas, chemical agents, seawater, water, or water vapor. When connected to the EX600-DDDE or EX600-DDDF, manifold enclosure is IP40.

Also, the Handheld Terminal conforms to IP20, so prevent foreign matter from entering inside, and water, solvent or oil from coming in direct contact with it.

2. Provide adequate protection when operating in locations such as the following.

Failure to do so may cause damage or malfunction. The effect of countermeasures should be checked in individual equipment and machine.

- 1) Where noise is generated by static electricity, etc.
- 2) Where there is a strong electric field
- 3) Where there is a danger of exposure to radiation
- 4) When in close proximity to power supply lines

Operating Environment

A Caution

3. Do not use in an environment where oil and chemicals are used.

Operating in environments with coolants, cleaning solvents, various oils or chemicals may cause adverse effects (damage, malfunction) to the unit even in a short period of time.

4. Do not use in an environment where the product could be exposed to corrosive gas or liquid.

This may damage the unit and cause it to malfunction.

5. Do not use in locations with sources of surge generation.

Installation of the unit in an area around the equipment (electromagnetic lifters, high frequency induction furnaces, welding machine, motors etc.), which generates the large surge voltage could cause to deteriorate an internal circuitry element of the unit or result in damage. Implement countermeasures against the surge from the generating source, and avoid touching the lines with each other.

6. Use the product type that has an integrated surge absorption element when directly driving a load which generates surge voltage by relay, solenoid valves or lamp.

When a surge generating load is directly driven, the unit may be damaged.

- 7. The product is CE/UKCA marked, but not immune to lightning strikes. Take measures against lightning strikes in your system.
- 8. Keep dust, wire scraps and other extraneous material from getting inside the product. This may cause a malfunction or damage.
- 9. Mount the unit in such locations, where no vibration or shock is affected.

This may cause a malfunction or damage.

10. Do not use in places where there are cyclic temperature changes.

In case that the cyclic temperature is beyond normal temperature changes, the internal unit is likely to be adversely effected.

- 11. Do not use in direct sunlight. Do not use in direct sunlight. It may cause a malfunction or damage.
- 12. Use this product within the specified ambient temperature range.

This may cause a malfunction.

Do not use in places where there is radiated heat around it. Such a place is likely to cause a malfunction.



Be sure to read this before handling the products. For safety instructions and 3/4/5-port solenoid valve precautions, refer to the "Handling Precautions for SMC Products" and the "Operation Manual" on the SMC website: https://www.smcworld.com

Serial EX600 Precautions

Adjustment/Operation

\land Warning

1. Do not perform operation or setting with wet hands. There is a risk of electrical shock.

<Handheld Terminal>

- Do not apply pressure to the LCD. There is a possibility of the crack of LCD and injuring.
- The forced input/output function is used to change the signal status forcibly. When operating this function, be sure to check the safety of the surroundings and installation.

Otherwise, injury or equipment damage could result.

 Incorrect setting of parameters can cause malfunction. Be sure to check the settings before use. This may cause injury or equipment damage.

ACaution

 Use a watchmakers' screwdriver with thin blade for the setting of each switch of the SI unit.
 When setting the switch, do not touch other unrelated parts.

This may cause parts damage or malfunction due to a short-circuit.

2. Provide adequate setting for the operating conditions. Failure to do so could result in malfunction.

Refer to the operation manual for setting of the switches.

 For details on programming and address setting, refer to the manual from the PLC manufacturer. The content of programming related to protocol is designed by the manufacturer of the PLC used.

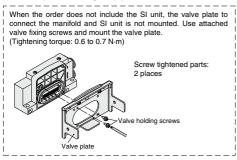
<Handheld Terminal>

4. Do not press the setting buttons with a sharp pointed object.

This may cause damage or malfunction.

Do not apply excessive load and impact to the setting buttons.

This may cause damage, equipment failure or malfunction.



Maintenance

A Warning

1. Do not disassemble, modify (including circuit board replacement) or repair this product.

Such actions are likely to cause injuries or breakage.

- 2. When an inspection is performed,
 - · Turn off the power supply.
 - Stop the air supply, exhaust the residual pressure in piping and verify that the air is released before performing maintenance work.

Unexpected malfunction of system components and injury can result.

▲ Caution

- 1. When handling and replacing the unit:
 - Do not touch the sharp metal parts of the connector or plug.
 - Do not apply excessive force to the unit when disassembling.

The connecting portions of the unit are firmly joined with seals.

 When joining units, take care not to get fingers caught between units. Injury can result.

2. Perform periodic inspection.

Unexpected malfunction in the system composition devices is likely to occur due to malfunction of machinery or equipment.

3. After maintenance, make sure to perform an appropriate functionality inspection.

In cases of abnormality such as faulty operation, stop operation. Unexpected malfunction in the system composition devices is likely to occur.

4. Do not use benzene and thinner for cleaning units.

Damage to the surface or erasure of the display can result. Wipe off any stains with a soft cloth.

If the stain is persistent, wipe off with a cloth soaked in a dilute solution of neutral detergent and wrung out tightly, and then finish with a dry cloth.

Trademark

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S0700 Series Troubleshooting

Trouble	In the event of product failure, take remedial measures by checking the following items as detailed below.	Cause	Measures
Operating failure The air supply direction has not been changed.	operate by press- ing a manual	 Slide failure or sticking of the main valve Foreign matter from the air source has been caught in the main valve and has caused slide failure and sticking. 	Replace the valve. Purify the air source. (Refer to the 3/4/5 Port Solenoid Valves Precautions 6 on page 13.)
	YES creases and fails to reach th minimum operating pressure	The pressure of the air source de- creases and fails to reach the minimum operating pressure of the valve, resulting in operating	Adjust the pressure of the valve within the operating pressure range.
	1) Electric system error • Sequencer failure • Incorrect wiring • Open fuse and lead wire disconnection • Voltage drop	Check each item and take applicable measure.	
	YES	 Voltage drop The product may not operate due to a voltage drop even when its indicator light remains illuminated. 	Check the voltage and take applicable measure if decreased.
	 Current leakage The product does not shift from off to on due to the residual voltage. 	Check the residual voltage, which shall be 2% or less of rated voltage.	
	 3) Pilot valve failure Foreign matter from the air source has entered the inside of the pilot valve and has caused operating failure. Open coil circuit 	Replace the valve. Purify the air source. (Refer to the 3/4/5 Port Solenoid Valves Precautions 6 on page 13.)	
Response failure The product operates, but has a time delay.	1) Current leakage The response of the product was delayed due to the residual voltage.	Check the residual voltage, which should be 2% or less of the rated voltage.	
		 Clogging of the filter element of the manifold 	Clean or replace the element.
	 Foreign matter from the air source has entered the main valve and has caused slide failure and stick- ing. 	Replace the valve. Purify the air source. (Refer to the 3/4/5 Port Solenoid Valves Precautions 6 on page 13.)	

S0700 Series

Trouble	In the event of product failure, take remedial measures by checking the following items as detailed below.	Cause	Measures
	Check the part where the air is leaking.	1-1) The clamping screw or mounting bolt is loose.	Tighten the clamping screw. Proper tightening torque 0.17 to 0.23 N·m Replace the gasket if it was damaged.
		1-2) The gasket got caught.	Replace the gasket. <part and="" gasket="" no.="" of="" parts="" spare=""> S0700-GS-5 (10 sets) Plug-in Type Stacking Base S0700-GS-3 (10 sets) Slim Compact Bar Base</part>
Air leakage	2. Air leakage from the One-touch fitting	 2-1) The tube did not bottom out. 2-2) The tube had a flaw. 2-3) The tube end was cut uneven. 2-4) The packing of the One-touch fitting was damaged. 	Check each item and take applicable measures. Replace the One-touch fitting assembly. <part fitting<br="" no.="" of="" one-touch="">assembly> VVQ0000-50A-C2 VVQ0000-50A-C3 VVQ0000-50A-C3 VVQ0000-50A-N1 VVQ0000-50A-N1</part>
	3. Leakage from R port	 3-1) The mounting screw is loose. 3-2) Foreign matter from the air source got caught in the main valve and increased the internal leakage. 	Tighten the mounting bolt. Proper tightening torque • 0.17 to 0.23 N m Replace the gasket if it was damaged. • Replace the valve. Purify the air source. (Refer to the 3/4/5 Port Solenoid Valves Precautions 6 on page 13.)