## 4 Port Solenoid Valve Common Specifications Series SJ2000/3000 ( )

### Manifold Specifications

			D-sub connector		Flat ribbon cable	Serial	wiring	Individual wiring				
	Model		Type 60F	Type 60P	Type 60PG Type 60J Type 60G	Type 60PH	Type 60S⊟ (EX180)	Type 60S6B (EX510)	Type 60			
Manifold	type		Plug-in, Connector type									
1(P: SUP)	), 3/5(E: EX	(H)			C	ommon SUP, EX	Н					
Valve sta	tions		2 to 24	stations	2 to 18 stations (Type PG) 2 to 16 stations (Type J, Type G)	2 to 8 stations	2 to 32 stations	2 to 16 stations	2 to 20 stations			
Applicable connector			D-sub connector Conforming to MIL-C-24308 JIS-X-5101	Flat ribbon cable connector Socket: 26 pins MIL type with strain relief Conforming to MIL-C-83503	Flat ribbon cable connector Socket: 20 pins MIL type with strain relief Conforming to MIL-C-83503	Flat ribbon cable connector Socket: 10 pins MIL type with strain relief Conforming to MIL- C-83503	_	_	_			
Internal w	viring		Non-polar, +COM									
4(A), 2(B)	port	Location	Valve									
piping sp	ec.	Direction	Horizontal, Upward, Downward (Using elbow fittings for upward or downward)									
	1(P), 3/5(I	E) port	C6, C8, N7, N9 (Inch size elbow fitting is not available.)									
Port size	4(A), 2(B)	SJ2000			C	C2, C4, N1, N3, M	3					
	port	SJ3000			C2, C	C4, C6, N1, N3, N	7, M5					
Weight W (g) Note 2) (n: Number of SUP/EXH blocks m: Weight of DIN rail				W = 51n + m + 133								

Note 1) When many valves are operated simultaneously, use B type (SUP/EXH both sides), applying pressure to the 1(P) ports on both sides and exhaust from the 3/5(E) ports on both sides.

Note 2) The weight W is the value for the D-sub connector manifold only with internal pilot, SUP/EXH block straight fittings specifications. To obtain the weight with solenoid valves attached, add the solenoid valve weights given on page 3 for the appropriate number of stations. Refer to page 61 for the weight of DIN rail. (Please contact SMC for the weight of external pilot specifications, elbow fittings.)

### **Flow Characteristics**

#### SJ2000

Port si	ze	Flow characteristics										
1(P)	4, 2		1→2/4 (P→A/B)		4/2→3/5 (A/B→E)							
3/5(E)	(A, B)	C [dm <sup>3</sup> /(s·bar)]	b	Cv	C [dm³/(s · bar)]	b	Cv					
	C2	0.13	0.55	0.04	0.13	0.50	0.04					
C8	C4	0.33	0.16	0.08	0.36	0.13	0.08					
	MЗ	0.18	0.52	0.06	0.20	0.29	0.06					

#### SJ3000

Port si	ize	Flow characteristics									
1(P)	4, 2		1→2/4 (P→A/B)		4/2→3/5 (A/B→E)						
3/5(E)	(A, B)	C [dm³/(s·bar)]	b	Cv	C [dm³/(s · bar)]	b	Cv				
	C2	0.13	0.56	0.04	0.14	0.51	0.04				
C8	C4	0.42	0.17	0.11	0.45	0.16	0.11				
	C6	0.55	0.10	0.12	0.56	0.11	0.12				
	M5	0.40	0.28	0.11	0.45	0.15	0.11				

Note) The value is for manifold base with 5 stations and individually operated 2 position type. Please contact SMC for 4 position dual 3 port valves.



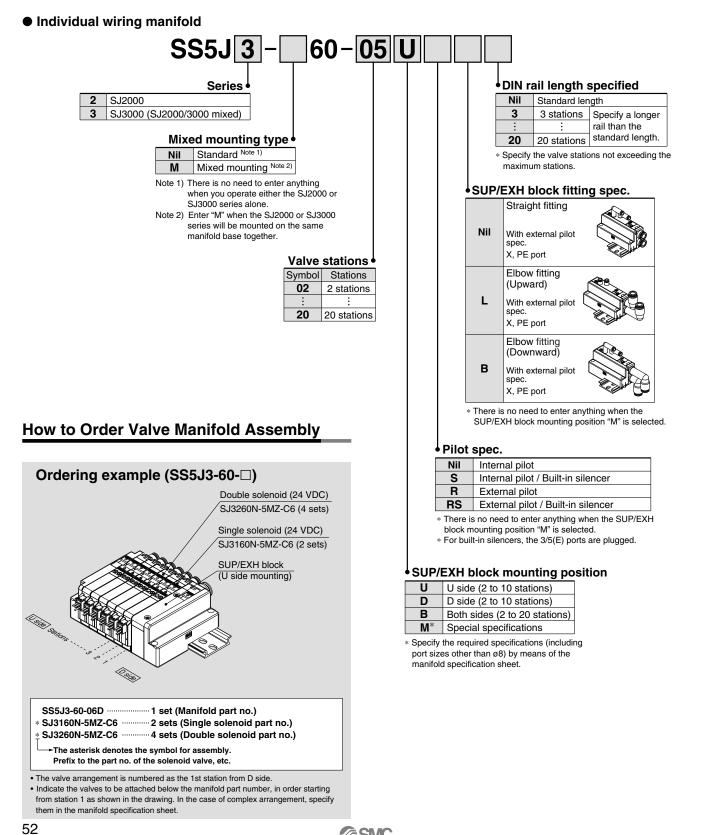
### Non-plug-in Individual Wiring Manifold

## Series **SJ2000/3000**



# Non-plug-in Individual Wiring Series SJ2000/3000

How to Order

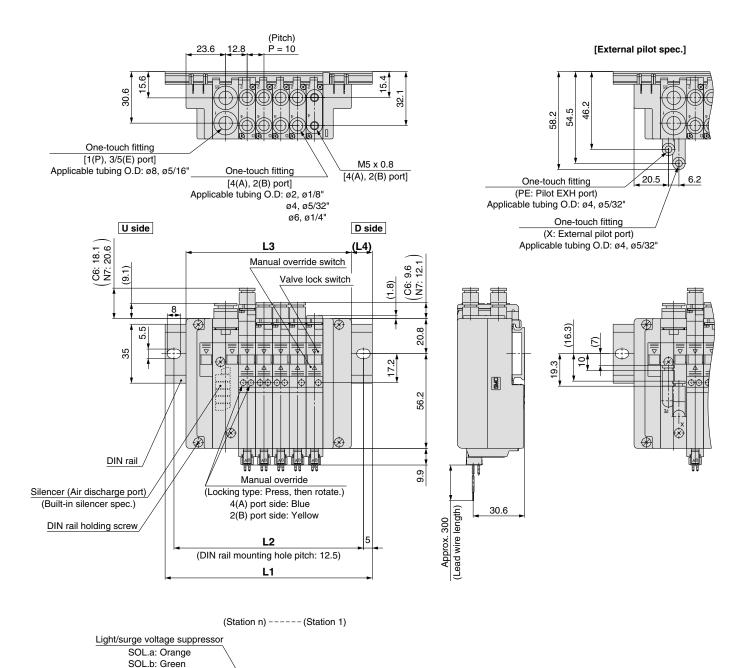


@SMC

### Series SJ2000/3000

### **Dimensions**

### SS5J3-60-Stations U (S, R, RS)



Note) For manifold dimensions including elbow fitting, refer to page 24.

	D:		
L:	DIM	ensions	

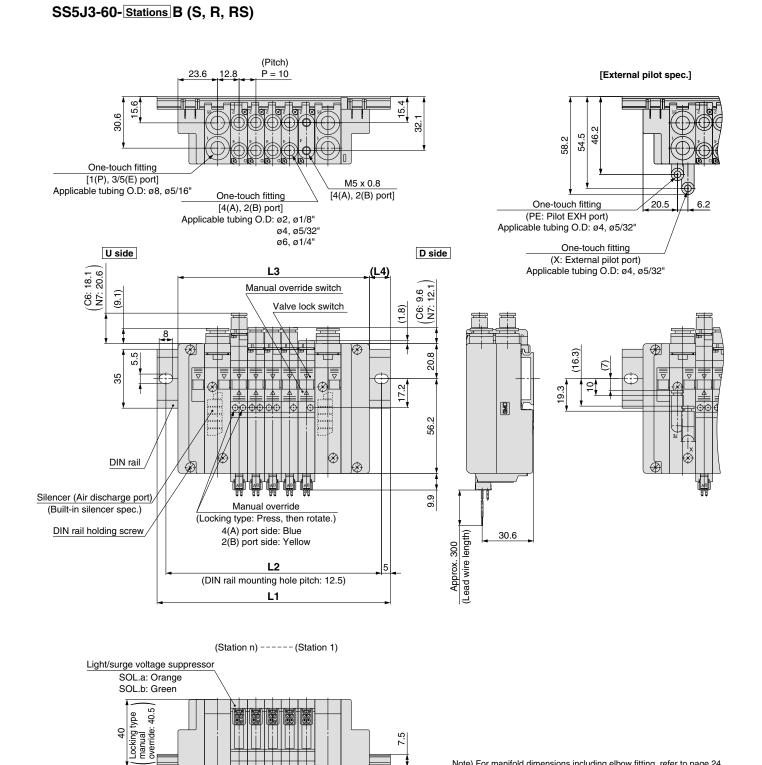
L: Dimensions n: Stations											
L	2	2 3		4 5		6 7		9	10		
L1	98	110.5	123	123	135.5	148	160.5	173	185.5		
L2	87.5	100	112.5	112.5	125	137.5	150	162.5	175		
L3	68.2	78.2	88.2	98.2	108.2	118.2	128.2	138.2	148.2		
L4	14.5	16	17	12	13	14	15.5	16.5	17.5		

: 40.5 40 Locking type manual override: 40.5

**SMC** 

7.5

### Dimensions



Note) For manifold dimensions including elbow fitting, refer to page 24.

L: Dim	ensior	าร																n:	Stations
L	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L1	110.5	123	135.5	148	148	160.5	173	185.5	198	210.5	210.5	223	235.5	248	260.5	260.5	273	285.5	298
L2	100	112.5	125	137.5	137.5	150	162.5	175	187.5	200	200	212.5	225	237.5	250	250	262.5	275	287.5
L3	83.7	93.7	103.7	113.7	123.7	133.7	143.7	153.7	163.7	173.7	183.7	193.7	203.7	213.7	223.7	233.7	243.7	253.7	263.7
L4	13	14.5	15.5	16.5	11.5	12.5	14	15	16	17.5	12	13.5	14.5	15.5	17	11.5	13	14	15

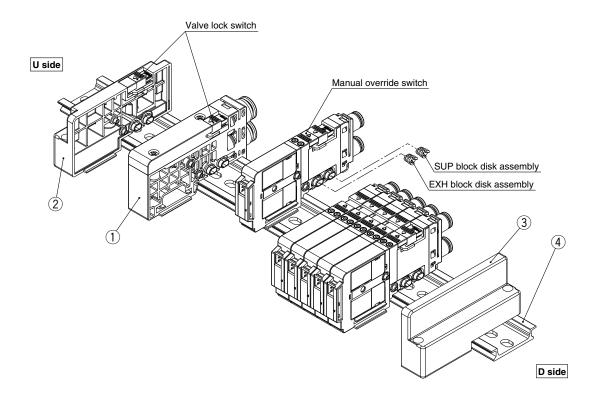
7.5



### Non-plug-in Individual Wiring Series SJ2000/3000

### **Manifold Exploded View**





#### **Component Parts / Non-plug-in**

No.		Description	Part no.	Note			
		Internal pilot	SJ3000-50-5A-□□	(Matria siza)			
		Internal pilot / Built-in silencer	SJ3000-50-5AS-□□	(Metric size) C6: With ø6 one-touch fitting (straight)			
	0110/57/11	External pilot	SJ3000-50-5AR-□□ (X, PE port: Metric size ø4 Inch size ø5/32")	C8: With ø8 one-touch fitting (straight) C8: With ø8 one-touch fitting (straight) L6: With ø6 one-touch fitting (elbow upward entry) L8: With ø8 one-touch fitting (elbow upward entry)			
1	SUP/EXH block assembly	External pilot / Built-in silencer	<b>SJ3000-50-5ARS-</b> □□ (X port: Metric size ø4 Inch size ø5/32")	B6: With ø6 one-touch fitting (elbow downward entry) B8: With ø8 one-touch fitting (elbow downward entry) B8: With ø8 one-touch fitting (elbow downward entry)			
		For different pressures, internal pilot Note 1)	SJ3000-50-6A-□□	(Inch size)			
		For different pressures Note 1) Internal pilot / Built-in silencer	SJ3000-50-6AS-□□	<ul> <li>N7: With 1/4" one-touch fitting (straight)</li> <li>N9: With 5/16" one-touch fitting (straight)</li> </ul>			
2	End block	assembly	SJ3000-53-1A	For U side			
3	End block	assembly	SJ3000-53-2A	For D side			
4	DIN rail		VZ1000-11-1-□	Refer to page 61.			

Note 1) The valves cannot be operated only with the SUP/EXH block assembly for different pressure, select them in combination with the SUP/EXH block assembly for internal/ external pilot.

Note 2) Refer to page 60 about the SUP/EXH block disk assembly and method of handling of parts at different pressure.