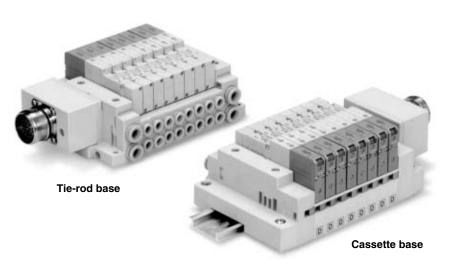
# **Circular Connector**

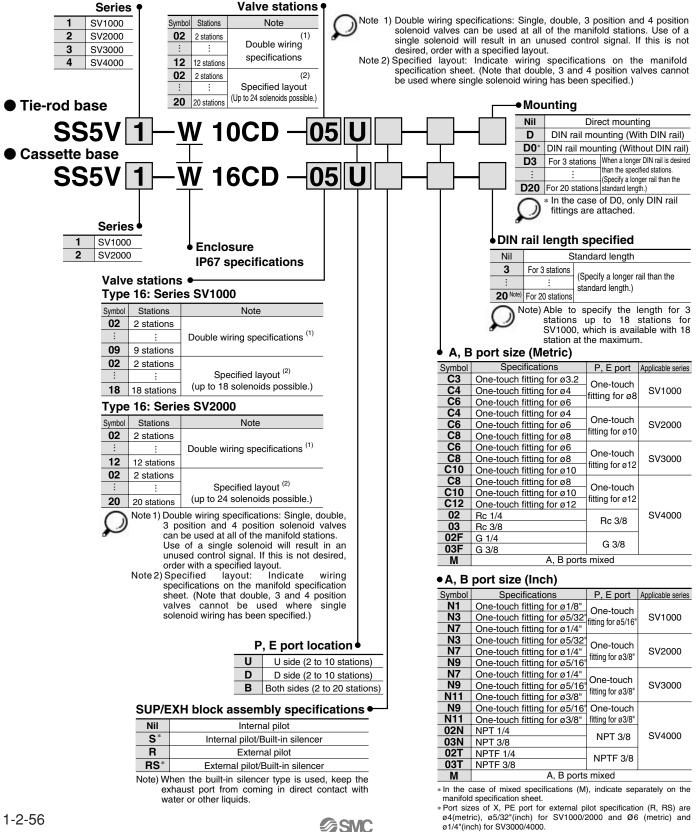
**IP67** compliant



	Cassette base manifold SV1000/SV2000
Applicable series	Tie-rod base manifold SV1000/SV2000/SV3000/SV4000
	Number of connectors: 26 pins

# **Circular Connector** Series SV

# How to Order







# Valve Manifold Common Specifications Series SV



### Manifold Specifications

Ap	plicable series	SV1000	SV2000	
Manifold type	)	Stacking type cassette base manifold		
1 (P: SUP)/3	5 (E: EXH) type	Common	SUP, EXH	
Valve station	s (maximum)	18 stations	20 stations	
Max. number	of solenoids	18 points	26 points	
	1(P), 3/5(E) port	C8, N9	C10, N11	
Port size	4(A) 0(D) port	C3, C4, C6	C4, C6, C8	
	4(A), 2(B) port	N1, N3, N7	N3, N7, N9	

 Changing the number of stations can be easily done by lever operation.

#### **Flow Characteristics**

	Port	size			Flow char	acteristics		
Model	1, 5, 3	4, 2		$1 \rightarrow 4/2 \ (P \rightarrow A/B)$		4	$4/2 \rightarrow 3/5 (A/B \rightarrow 1)$	E)
	(P, EA, EB)	(A, B)	C [dm <sup>3</sup> /(s·bar)]	b	Cv	C [dm <sup>3</sup> /(s·bar)]	b	Cv
SS5V1-16	C8	C6	0.89	0.22	0.22	0.98	0.21	0.23
SS5V2-16	C10	C8	2.3	0.28	0.50	2.7	0.18	0.56

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

### Tie-rod base manifold



• 34 pins connector allows up to 16 stations with double solenoids.

#### **Manifold Specifications**

Applica	ble series	SV1000	SV2000	SV3000	SV4000
Manifold type			Tie-rod bas	se manifold	
1 (P: SUP)/3, 5 (E: E	XH) type		Common	SUP, EXH	
Valve stations (maxin	num)		20 sta	ations	
Max. number of soler	noids		32 p	oints	
	1(P), 3/5(E) port	C8, N9	C10, N11	C12, N11	C12, N11, 03
Port size	4(A), 2(B) port	C3, C4, C6	C4, C6, C8	C6, C8, C10	C8, C10, C12
	+(A), 2(D) port	N1, N3, N7	N3, N7, N9	N7, N9, N11	N9, N11, 02, 03

#### **Flow Characteristics**

	Port	size			Flow char	acteristics		
Model	1, 5, 3	4, 2		$1 \rightarrow 4/2(P \rightarrow A/B)$			$1/2 \rightarrow 3/5(A/B \rightarrow E)$	E)
	(P, EA, EB)	(A, B)	C [dm <sup>3</sup> /(s·bar)]	b	Cv	C [dm <sup>3</sup> /(s·bar)]	b	Cv
SS5V1-10	C8	C6	0.98	0.26	0.24	1.1	0.35	0.28
SS5V2-10	C10	C8	2.1	0.20	0.46	2.4	0.18	0.48
SS5V3-10	C12	C10	4.2	0.22	0.91	4.3	0.21	0.93
SS5V4-10	C12	C12	6.2	0.19	1.3	7.0	0.18	1.6
SS5V4-10	-	-	-		-	7.0	0.18	1.6

C

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

# Enclosure of Manifold Variations (Common for cassette base and tie-rod base)

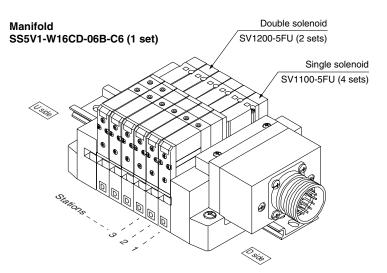
•	
Series	Enclosure (Based on IEC529)
Series EX500 Decentralized serial wiring	IP67 *
Series EX250 Serial wiring with input/output onit	IP67
Series EX120 Dedicated output serial wiring	Dusttight (IP40)
For circular connector	IP67
D-sub connector	Dusttight (IP40)
Flat ribbon cable	Dusttight (IP40)
	*

\* Enclosure of a gateway unit and input manifold is IP65.



## How to Order Valve Manifold Assembly

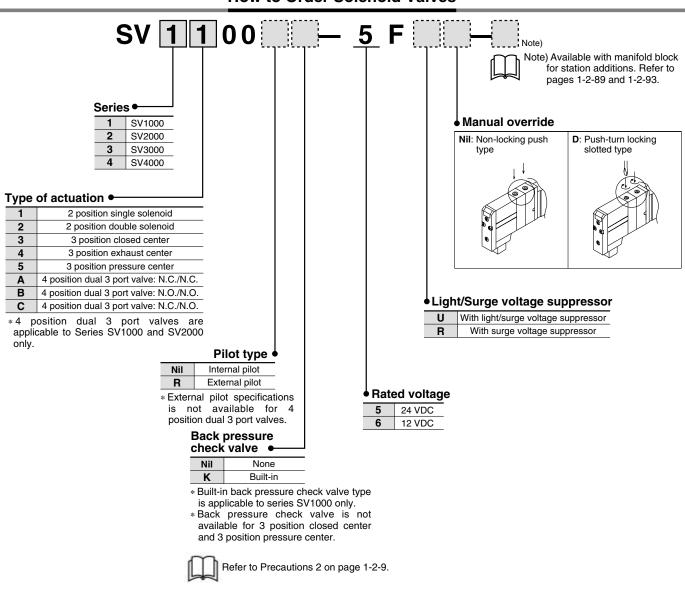
#### Ordering example (SV1000)



SS5V1-W16CD-06B-C6······1 set (manifold part no.)
* SV1100-5FU······4 sets (Single solenoid part no.)
* SV1200-5FU······2 sets (Double solenoid part no.)

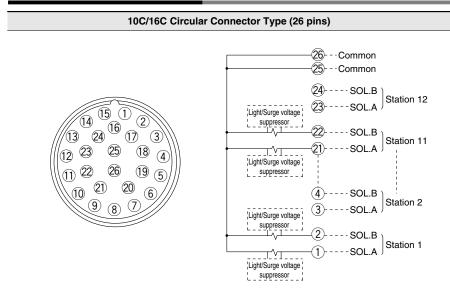
SV
SZ
SY
SYJ
SX

### How to Order Solenoid Valves



# Series SV

## **Manifold Electrical Wiring**



- This circuit has double wiring specifications for up to 12 stations. Since the usable number of solenoids differs depending on the manifold type, refer to the table below. In the case of single solenoids, connect to SOL. A. Furthermore, when wiring is specified on a manifold specification sheet, connections are made without skipping any connectors, and connections are made without skipping and A, B for double are in order  $1 \rightarrow 2 \rightarrow 3 \rightarrow 4$ , etc.
- Stations are counted from D side (connector side) as the 1st.
- Since solenoid valves do not have polarity, either the +COM or -COM can be used.

#### **Usable No. of Solenoids**

Model	Model		
Tie-rod base type 10	SV1000 to SV4000	24	
Coopetto base turne 16	SV1000	18	
Cassette base type 16	SV2000	24	

# Series SV

## Dimensions: Series SV4000 for Circular Connector

# ● Tie-rod base manifold: SS5V4-W10CD- <u>Stations</u> <sup>U</sup><sub>B</sub> (S, R, RS)- <sup>02, C8, N9,</sup> (-D)

•When P, E port outlets are indicated on the U side or D side, the P, E ports on the opposite side are plugged. •External pilot port positions and silencer discharge port positions are the same as P, E port outlet positions.

