

# EX500 Gateway System Serial Transmission System Series SV



## How to Order Manifold

**Series**

1	SV1000
2	SV2000
3	SV3000
4	SV4000

● Tie-rod base  
● Cassette base

**SS5V 1 - W 10S A2W D - 05 U**

**SS5V 1 - W 16S A2W D - 05 U**

**Enclosure IP67 specifications**

**SI unit**

0	Without SI unit
A2W	DeviceNet/PROFIBUS DP/CC-Link/EtherNet/IP

**Mounting**

Nil	Direct mounting
D	DIN rail mounting (With DIN rail)
D0*	DIN rail mounting (Without DIN rail)
D3	For 3 stations When a longer DIN rail is desired than the specified stations. (Specify a longer rail than the standard length.)
...	...
D16	For 16 stations

\* In the case of D0, only DIN rail fittings are attached.

**DIN rail length specified**

Nil	Standard length
3	For 3 stations Specify a longer rail than the standard length.
...	...
16	For 16 stations

**Valve stations**

Symbol	Stations	Note
02	2 stations	Double wiring specifications (1)
...	...	...
08	8 stations	...
02	2 stations	Specified layout (2)
...	...	...
16	16 stations	(up to 16 solenoids possible.)

Note 1) Double wiring specifications: Single, double, 3 position and 4 position solenoid valves can be used on all manifold stations. Use of a single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.

Note 2) Specified layout: Indicate wiring specifications on the manifold specification sheet. (Note that double, 3 position and 4 position valves cannot be used where single solenoid wiring has been specified.)

**P, E port location**

U	U side (2 to 10 stations)
D	D side (2 to 10 stations)
B	Both sides (2 to 16 stations)

**SUP/EXH block assembly specifications**

Nil	Internal pilot
S*	Internal pilot/Built-in silencer
R	External pilot
RS*	External pilot/Built-in silencer

Note) When the built-in silencer type is used, keep the exhaust port from coming in direct contact with water or other liquids.

**A, B port size (metric)**

Symbol	A, B port	P, E port	Applicable series
C3	One-touch fitting for ø3.2	One-touch fitting for ø8	SV1000
C4	One-touch fitting for ø4	One-touch fitting for ø8	SV1000
C6	One-touch fitting for ø6	One-touch fitting for ø10	SV2000
C4	One-touch fitting for ø4	One-touch fitting for ø10	SV2000
C6	One-touch fitting for ø6	One-touch fitting for ø12	SV3000
C8	One-touch fitting for ø8	One-touch fitting for ø12	SV3000
C10	One-touch fitting for ø10	One-touch fitting for ø12	SV3000
C8	One-touch fitting for ø8	One-touch fitting for ø12	SV4000
C10	One-touch fitting for ø10	One-touch fitting for ø12	SV4000
C12	One-touch fitting for ø12	One-touch fitting for ø12	SV4000
02	Rc 1/4	Rc 3/8	SV4000
03	Rc 3/8	Rc 3/8	SV4000
02F	G 1/4	G 3/8	SV4000
03F	G 3/8	G 3/8	SV4000
M	A, B ports mixed		

**A, B port size (inch)**

Symbol	A, B port	P, E port	Applicable series
N1	One-touch fitting for ø1/8"	One-touch fitting for ø5/16"	SV1000
N3	One-touch fitting for ø5/32"	One-touch fitting for ø5/16"	SV1000
N7	One-touch fitting for ø1/4"	One-touch fitting for ø5/16"	SV2000
N3	One-touch fitting for ø5/32"	One-touch fitting for ø3/8"	SV2000
N7	One-touch fitting for ø1/4"	One-touch fitting for ø3/8"	SV2000
N9	One-touch fitting for ø5/16"	One-touch fitting for ø3/8"	SV3000
N7	One-touch fitting for ø1/4"	One-touch fitting for ø3/8"	SV3000
N9	One-touch fitting for ø5/16"	One-touch fitting for ø3/8"	SV3000
N11	One-touch fitting for ø3/8"	One-touch fitting for ø3/8"	SV3000
N9	One-touch fitting for ø5/16"	One-touch fitting for ø3/8"	SV4000
N11	One-touch fitting for ø3/8"	One-touch fitting for ø3/8"	SV4000
02N	NPT 1/4	NPT 3/8	SV4000
03N	NPT 3/8	NPT 3/8	SV4000
02T	NPTF 1/4	NPTF 3/8	SV4000
03T	NPTF 3/8	NPTF 3/8	SV4000
M	A, B ports mixed		

**SI unit part no.**

Symbol	Protocol type	SI unit
A2W	DeviceNet	EX500-S001
	PROFIBUS DP	
	CC-Link	
	EtherNet/IP	

\* In the case of mixed specifications (M), indicate separately on the manifold specification sheet.  
\* Port sizes of X, PE port for external pilot specifications (R, RS) are ø4 (metric), ø5/32" (inch) for SV1000/2000 and ø6 (metric) and ø1/4" (inch) for SV3000/4000.

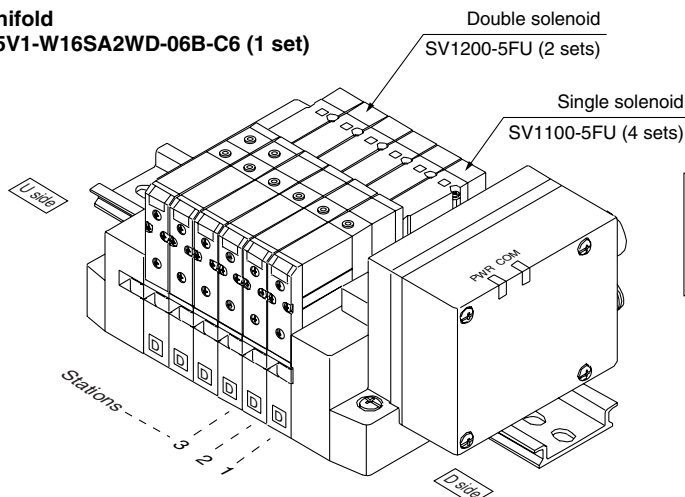
Refer to pages 1680 to 1694 for the details of EX500 gateway system serial transmission system.

## How to Order Manifold Assembly

### Ordering example (SV1000)

Manifold

SS5V1-W16SA2WD-06B-C6 (1 set)



SS5V1-W16SA2WD-06B-C6.....1 set (Manifold part no.)  
\* SV1100-5FU.....4 sets (Single solenoid part no.)  
\* SV1200-5FU.....2 sets (Double solenoid part no.)

## How to Order Valve

SV 1 1 0 0 - 5 F - - -

### Series

1	SV1000
2	SV2000
3	SV3000
4	SV4000

### Type of actuation

1	2 position single
2	2 position double
3	3 position closed center
4	3 position exhaust center
5	3 position pressure center
A	4 position dual 3 port valve: N.C./N.C.
B	4 position dual 3 port valve: N.O./N.O.
C	4 position dual 3 port valve: N.C./N.O.

\* 4 position dual 3 port valves are applicable to Series SV1000 and SV2000 only.

### Pilot type

Nil	Internal pilot
R	External pilot

\* External pilot specifications is not available for 4 position dual 3 port valves.

### Back pressure check valve

Nil	None
K	Built-in

\* Built-in back pressure check valve type is applicable to series SV1000 only.

\* Back pressure check valve is not available for 3 position valve.



Refer to Specific Product Precautions 2 on page 450.



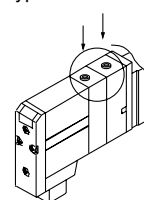
Note) Available with manifold block for station additions. Refer to pages 429 and 443.

### Made to Order

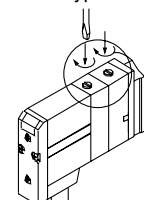
Nil	—
X90	Main valve fluoro rubber (Refer to page 448.)

### Manual override

Nil: Non-locking push type



D: Push-turn locking slotted type



### Light/Surge voltage suppressor

U	With light/surge voltage suppressor
R	With surge voltage suppressor

### Rated voltage

5	24 VDC
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SJ

SY

SV

SYJ

SZ

VP4

S0700

VQ

VQ4

VQ5

VQC

VQZ

SQ

VFS

VFR

VQ7