

Type 10
Side Ported

Type 11
Bottom Ported

Plug-in Connector Connecting Base

D-sub Connector

Series 25A-SY5000



RoHS

How to Order Manifold

25A-SS5Y 5 - 10 F 1 - 05 U - C6

1 2 3 4 5 6 7 8 9

Series compatible
with secondary batteries

1 Series

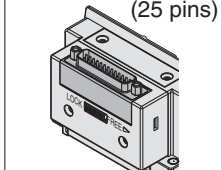
5	SY5000
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2 Type

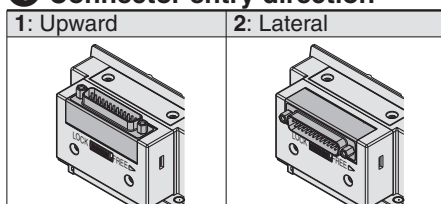
10	Side ported
11	Bottom ported

3 Connector type

F: D-sub connector
(25 pins)



4 Connector entry direction



5 Valve stations

F: D-sub connector (25 pins)

Symbol	Stations	Note
02	2 stations	Double wiring Note 1)
⋮	⋮	
12	12 stations	
02	2 stations	Specified layout Note 2) (Available up to 24 solenoids)
⋮	⋮	
24	24 stations	

Note 1) Double wiring:
2-position single,
double, 3-position and
4-position valves can
be used on all
manifold stations.
Use of a 2-position
single solenoid will

result in an unused control signal. If this is not desired,
order with a specified layout.

Note 2) 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.)

Note 3) This also includes the number of blanking plate
assembly.

6 P, E port entry

U	U side (2 to 10 stations)
D	D side (2 to 10 stations)
B	Both sides (2 to 24 stations)

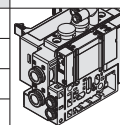
7 SUP/EXH block assembly

Nil	Internal pilot
S	Internal pilot, Built-in silencer

* 3/5(E) port is plugged for
the built-in silencer type.

8 A, B port size (Metric)

Symbol	A, B port	Type 10/ Side ported	Type 11/ Bottom ported
		SY5000	SY5000
C4	ø4 One-touch fitting	●	●
C6	ø6 One-touch fitting	●	●
C8	ø8 One-touch fitting	●	●
CM*	Straight port, mixed sizes	●	●
P, E port size (One-touch fittings)		ø10	ø10



* Indicate the sizes on the manifold specification sheet in the
case of "CM".

* The direction of P, E port fittings is the same as for A, B port.

9 Mounting

Symbol	Mounting
Nil	Direct mounting
D□	DIN rail mounting

DIN rail option

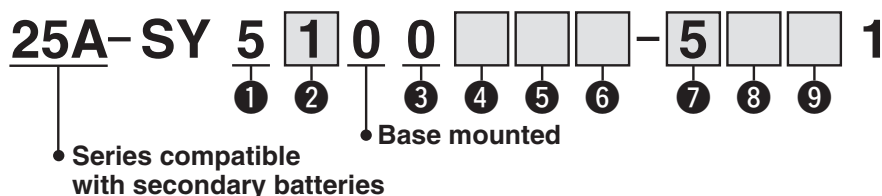
Nil	Standard length	
0	With DIN bracket (Without DIN rail)	
3	For 3 stations	Specify a longer rail than the total length of specified stations.
⋮	⋮	
24	For 24 stations	

Note 1) Enter the number of stations inside □. (Refer to "DIN Rail
Option" above.)

Note 2) Only direct mounting is available for Type 11 (Bottom
ported).

* Specifications and dimensions for the 25A-series are the
same as standard products.

How to Order Valves (With two mounting screws)



1 Series

5	SY5000
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2 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.)

3 Seal type

0	Rubber seal
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4 Back pressure check valve (Built-in valve type)

Nil	None
H	Built-in

* The built-in valve type back pressure check valve is not available for the 3-position type.

5 Pilot valve option

Nil	Standard (0.7 MPa)
B	Quick response type (0.7 MPa)

6 Coil type

Nil	Standard
T	With power saving circuit (Continuous duty type)

* Be sure to select the power saving circuit type when the valve is continuously energized for long periods of time.

* Note the specified energizing time when power saving circuit is selected.

7 Rated voltage

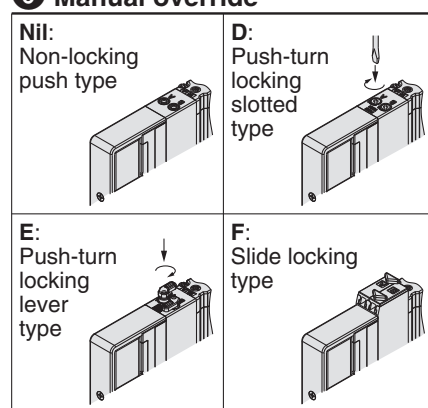
5	24 VDC
6	12 VDC

8 Light/surge voltage suppressor and common specification

Nil	Without light/surge voltage suppressor (Non-polar)
R	With surge voltage suppressor (Non-polar)
U	With light/surge voltage suppressor (Non-polar)
S	With surge voltage suppressor (Positive common)
Z	With light/surge voltage suppressor (Positive common)
NS	With surge voltage suppressor (Negative common)
NZ	With light/surge voltage suppressor (Negative common)

* Only "Z" and "NZ" types are available for the product with power saving circuit.

9 Manual override



* Specifications and dimensions for the 25A-series are the same as standard products.



Plug-in Connector Connecting Base

D-sub Connector

Type 12
Top Ported

Series 25A-SY5000

CE

RoHS

How to Order Manifold

25A-SS5Y 5 -12 F 1 -05 U -

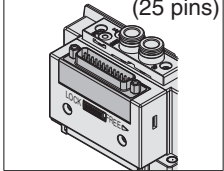
• Series compatible with secondary batteries

1 Series

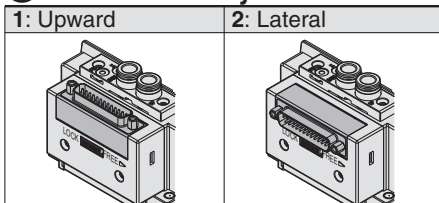
5	SY5000
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2 Connector type

F: D-sub connector (25 pins)



3 Connector entry direction



4 Valve stations

F: D-sub connector (25 pins)

Symbol	Stations	Note
02	2 stations	Double wiring Note 1)
12	12 stations	
02	2 stations	Specified layout Note 2) (Available up to 24 solenoids)
24	24 stations	

Note 1) Double wiring: 2-position single, double, 3-position and 4-position valves can be used on all manifold stations. Use of a 2-position single solenoid will result in an unused

control signal. If this is not desired, order with a specified layout.

Note 2) 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.)

Note 3) This also includes the number of blanking plate assembly.

5 P, E port entry

U Note)	U side (2 to 10 stations)
D Note)	D side (2 to 10 stations)
B	Both sides (2 to 24 stations)

Note) 6 For type "S", supply/exhaust block assembly with built-in silencer, choose U or D for P port entry.

6 SUP/EXH block assembly

Nil	Internal pilot
S	Internal pilot, Built-in silencer

* For built-in silencer type, P and E ports are available on U and D sides. 3/5(E) port is plugged. The silencer exhaust port is located on the opposite side of P, E port entry. (Example: When the P, E port entry is D side, the silencer exhaust port is U side.)

7 Mounting

Nil	Direct mounting
D	DIN rail mounting (With DIN rail)
D0	DIN rail mounting (Without DIN rail)
D3	For 3 stations
:	:
D24	For 24 stations

Specify a longer rail than the standard length.

* Specifications and dimensions for the 25A-series are the same as standard products.

How to Order Valves (With two mounting screws)

25A-SY 5 1 3 0 [] [] [] - 5 [] [] 1 - C6

1 2 3 4 5 6 7 8 9 10

• Series compatible with secondary batteries

• Top ported

1 Series

5	SY5000
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2 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.)

3 Seal type

0	Rubber seal
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4 Back pressure check valve (Built-in valve type)

Nil	None
H	Built-in

* The built-in valve type back pressure check valve is not available for the 3-position type.

5 Pilot valve option

Nil	Standard (0.7 MPa)
B	Quick response type (0.7 MPa)

6 Coil type

Nil	Standard
T	With power saving circuit (Continuous duty type)

* Be sure to select the power saving circuit type when the valve is continuously energized for long periods of time.

* Note the specified energizing time when power saving circuit is selected.

7 Rated voltage

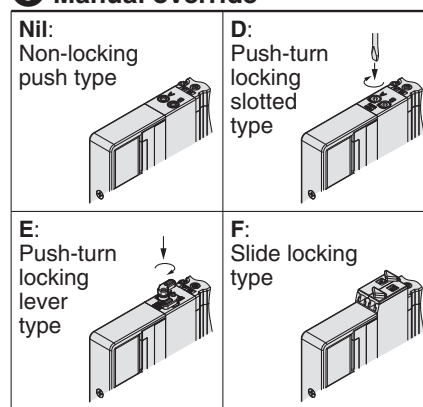
5	24 VDC
6	12 VDC

8 Light/surge voltage suppressor and common specification

Nil	Without light/surge voltage suppressor (Non-polar)
R	With surge voltage suppressor (Non-polar)
U	With light/surge voltage suppressor (Non-polar)
S	With surge voltage suppressor (Positive common)
Z	With light/surge voltage suppressor (Positive common)
NS	With surge voltage suppressor (Negative common)
NZ	With light/surge voltage suppressor (Negative common)

* Only "Z" and "NZ" types are available for the product with power saving circuit.

9 Manual override



10 A, B port size

One-touch fitting (Metric)

Symbol	A, B port	SY5000
C4	ø4 One-touch fitting	●
C6	ø6 One-touch fitting	●
C8	ø8 One-touch fitting	●

* Specifications and dimensions for the 25A-series are the same as standard products.



Type 10
Side Ported

Type 11
Bottom Ported

Plug-in Connector Connecting Base

Terminal Block Box

Series 25A-SY5000 C €

How to Order Manifold

25A-SS5Y 5 - 10 T - 05 U - C6

1 2 3 4 5 6 7

• Series compatible with secondary batteries

1 Series

5	SY5000
---	--------

2 Type

10	Side ported
11	Bottom ported

3 Valve stations

Symbol	Stations	Note
02	2 stations	Double wiring Note 1)
⋮	⋮	
10	10 stations	
02	2 stations	Specified layout Note 2) (Available up to 20 solenoids)
⋮	⋮	
20	20 stations	

Note 1) Double wiring: 2-position single, double, 3-position and 4-position valves can be used on all manifold stations. Use of a 2-position single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.

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

Note 3) This also includes the number of blanking plate assembly.

4 P, E port entry

U	U side (2 to 10 stations)
D	D side (2 to 10 stations)
B	Both sides (2 to 20 stations)

5 SUP/EXH block assembly

Nil	Internal pilot
S	Internal pilot, Built-in silencer

* 3/5(E) port is plugged for the built-in silencer type.
* When the built-in silencer type is used, keep the exhaust port from coming in direct contact with water or other liquids.

7 Mounting

Symbol	Mounting
Nil	Direct mounting
D□	DIN rail mounting

Note 1) Enter the number of stations inside □. (Refer to "DIN Rail Option" below.)

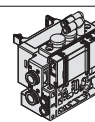
Note 2) Only direct mounting is available for Type 11 (Bottom ported).

DIN rail option

Nil	Standard length
0	With DIN bracket (Without DIN rail)
3	For 3 stations
⋮	⋮
24	For 24 stations

6 A, B port size (Metric)

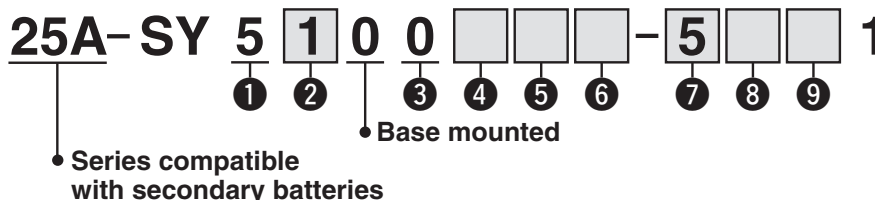
Symbol	A, B port		Type 10/ Side ported	Type 11/ Bottom ported
			SY5000	SY5000
C4	Straight	ø4 One-touch fitting	●	●
C6		ø6 One-touch fitting	●	●
C8		ø8 One-touch fitting	●	●
CM*		Straight port, mixed sizes	●	●
P, E port size (One-touch fittings)			ø10	ø10



* Indicate the sizes on the manifold specification sheet in the case of "CM".
* The direction of P, E port fittings is the same as for A, B port.

* Specifications and dimensions for the 25A-series are the same as standard products.

How to Order Valves (With two mounting screws)



1 Series

5	SY5000
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2 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.)

3 Seal type

0	Rubber seal
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4 Back pressure check valve (Built-in valve type)

Nil	None
H	Built-in

* The built-in valve type back pressure check valve is not available for the 3-position type.

5 Pilot valve option

Nil	Standard (0.7 MPa)
B	Quick response type (0.7 MPa)

6 Coil type

Nil	Standard
T	With power saving circuit (Continuous duty type)

* Be sure to select the power saving circuit type when the valve is continuously energized for long periods of time.

* Note the specified energizing time when power saving circuit is selected.

7 Rated voltage

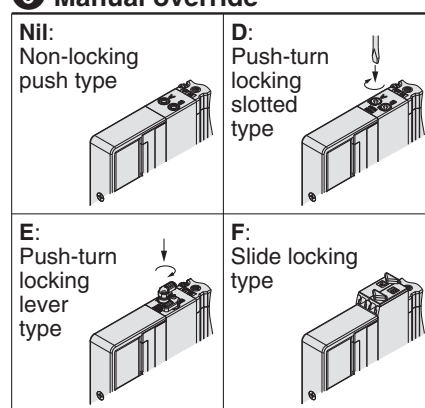
5	24 VDC
6	12 VDC

8 Light/surge voltage suppressor and common specification

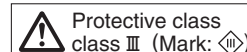
Nil	Without light/surge voltage suppressor (Non-polar)
R	With surge voltage suppressor (Non-polar)
U	With light/surge voltage suppressor (Non-polar)
S	With surge voltage suppressor (Positive common)
Z	With light/surge voltage suppressor (Positive common)
NS	With surge voltage suppressor (Negative common)
NZ	With light/surge voltage suppressor (Negative common)

* Only "Z" and "NZ" types are available for the product with power saving circuit.

9 Manual override



* Specifications and dimensions for the 25A-series are the same as standard products.



Plug-in Connector Connecting Base

Terminal Block Box

Type 12
Top Ported

Series 25A-SY5000 C €

How to Order Manifold

25A-SS5Y 5 - 12T - 05 U -

- Series compatible with secondary batteries

1 Series

5	SY5000
---	--------

3 P, E port entry

U Note)	U side (2 to 10 stations)
D Note)	D side (2 to 10 stations)
B	Both sides (2 to 20 stations)

Note) 4 For type "S", supply/exhaust block assembly with built-in silencer, choose U or D for P port entry.

2 Valve stations

Symbol	Stations	Note
02	2 stations	Double wiring Note 1)
:	:	
10	10 stations	Specified layout Note 2) (Available up to 20 solenoids)
02	2 stations	
:	:	
20	20 stations	

Note 1) Double wiring: 2-position single, double, 3-position and 4-position valves can be used on all manifold stations. Use of a 2-position single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.

Note 2) 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.)

Note 3) This also includes the number of blanking plate assembly.

4 SUP/EXH block assembly

Nil	Internal pilot
S	Internal pilot, Built-in silencer

* For built-in silencer type, P and E ports are available on U and D sides. 3/5(E) port is plugged. The silencer exhaust port is located on the opposite side of P, E port entry.

(Example: When the P, E port entry is D side, the silencer exhaust port is U side.)

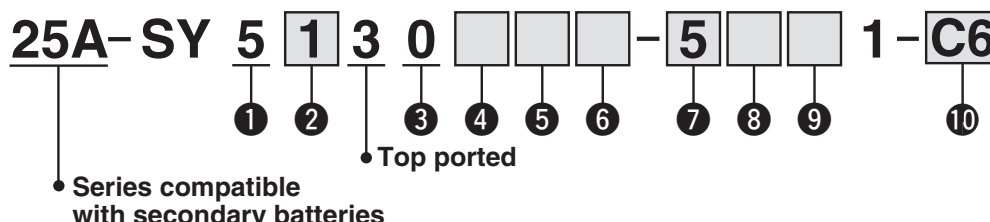
* When the built-in silencer type is used, keep the exhaust port from coming in direct contact with water or other liquids.

5 Mounting

Nil	Direct mounting	
D	DIN rail mounting (With DIN rail)	
D0	DIN rail mounting (Without DIN rail)	
D3	For 3 stations	Specify a longer rail than the standard length.
:	:	
D20	For 20 stations	

* Specifications and dimensions for the 25A-series are the same as standard products.

How to Order Valves (With two mounting screws)



1 Series

5	SY5000
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2 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.)

3 Seal type

0	Rubber seal
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4 Back pressure check valve (Built-in valve type)

Nil	None
H	Built-in

* The built-in valve type back pressure check valve is not available for the 3-position type.

5 Pilot valve option

Nil	Standard (0.7 MPa)
B	Quick response type (0.7 MPa)

6 Coil type

Nil	Standard
T	With power saving circuit (Continuous duty type)

* Be sure to select the power saving circuit type when the valve is continuously energized for long periods of time.

* Note the specified energizing time when power saving circuit is selected.

7 Rated voltage

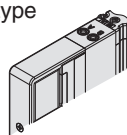
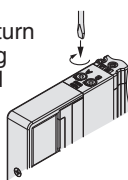
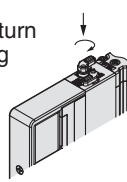
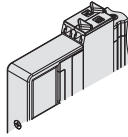
5	24 VDC
6	12 VDC

8 Light/surge voltage suppressor and common specification

Nil	Without light/surge voltage suppressor (Non-polar)
R	With surge voltage suppressor (Non-polar)
U	With light/surge voltage suppressor (Non-polar)
S	With surge voltage suppressor (Positive common)
Z	With light/surge voltage suppressor (Positive common)
NS	With surge voltage suppressor (Negative common)
NZ	With light/surge voltage suppressor (Negative common)

* Only "Z" and "NZ" types are available for the product with power saving circuit.

9 Manual override

Nil: Non-locking push type 	D: Push-turn locking slotted type 
E: Push-turn locking lever type 	F: Slide locking type 

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

Symbol	A, B port	SY5000
C4	ø4 One-touch fitting	●
C6	ø6 One-touch fitting	●
C8	ø8 One-touch fitting	●

* Specifications and dimensions for the 25A-series are the same as standard products.

Type 10
Side Ported

Type 11
Bottom Ported

Plug-in Connector Connecting Base

Lead Wire

Series 25A-SY5000



RoHS

How to Order Manifold

25A-SS5Y 5 - 10 L1 1 - 05 U - C6

1 2 3 4 5 6 7 8 9

• Series compatible with secondary batteries

1 Series

5	SY5000
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3 Number of cores (Lead wire)

L1	34 cores
L2	17 cores
L3	9 cores

2 Type

10	Side ported
11	Bottom ported

4 Lead wire length

1	0.6 m
2	1.5 m
3	3 m

6 P, E port entry

U	U side (2 to 10 stations)
D	D side (2 to 10 stations)
B	Both sides (2 to 24 stations)

7 SUP/EXH block assembly

Nil	Internal pilot
S	Internal pilot, Built-in silencer

* 3/5(E) port is plugged for the built-in silencer type.

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

5 Valve stations

(L1□)

Symbol	Stations	Note
02	2 stations	Double wiring ^{Note 1)}
⋮	⋮	
16	16 stations	Specified layout ^{Note 2)} (Available up to 32 solenoids)
02	2 stations	
⋮	⋮	
24	24 stations	

(L3□)

Symbol	Stations	Note
02	2 stations	Double wiring ^{Note 1)}
⋮	⋮	
04	4 stations	Specified layout ^{Note 2)} (Available up to 8 solenoids)
02	2 stations	
⋮	⋮	
08	8 stations	

(L2□)

Symbol	Stations	Note
02	2 stations	Double wiring ^{Note 1)}
⋮	⋮	
08	8 stations	Specified layout ^{Note 2)} (Available up to 16 solenoids)
02	2 stations	
⋮	⋮	
16	16 stations	

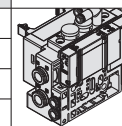
Note 1) Double wiring: 2-position single, double, 3-position and 4-position valves can be used on all manifold stations. Use of a 2-position single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.

Note 2) 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.)

Note 3) This also includes the number of blanking plate assembly.

8 A, B port size (Metric)

Symbol	A, B port	Type 10/ Side ported SY5000	Type 11/ Bottom ported SY5000
		●	●
C4	ø4 One-touch fitting	●	●
C6	ø6 One-touch fitting	●	●
C8	ø8 One-touch fitting	●	●
CM*	Straight port, mixed sizes	●	●
P, E port size (One-touch fittings)		ø10	ø10



* Indicate the sizes on the manifold specification sheet in the case of "CM".

* The direction of P, E port fittings is the same as for A, B port.

9 Mounting

Symbol	Mounting
Nil	Direct mounting
D□	DIN rail mounting

Note 1) Enter the number of stations inside □. (Refer to "DIN Rail Option" below.)

Note 2) Only direct mounting is available for Type 11 (Bottom ported).

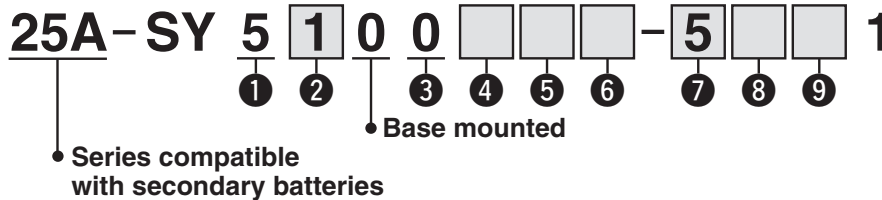
DIN rail option

Nil	Standard length
0	With DIN bracket (Without DIN rail)
3	For 3 stations
⋮	⋮
24	For 24 stations

Specify a longer rail than the total length of specified stations.

* Specifications and dimensions for the 25A-series are the same as standard products.

How to Order Valves (With two mounting screws)



1 Series

5	SY5000
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2 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.)

3 Seal type

0	Rubber seal
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4 Back pressure check valve (Built-in valve type)

Nil	None
H	Built-in

* The built-in valve type back pressure check valve is not available for the 3-position type.

5 Pilot valve option

Nil	Standard (0.7 MPa)
B	Quick response type (0.7 MPa)

6 Coil type

Nil	Standard
T	With power saving circuit (Continuous duty type)

* Be sure to select the power saving circuit type when the valve is continuously energized for long periods of time.

* Note the specified energizing time when power saving circuit is selected.

7 Rated voltage

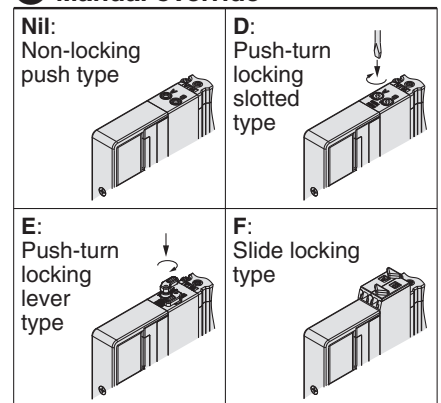
5	24 VDC
6	12 VDC

8 Light/surge voltage suppressor and common specification

Nil	Without light/surge voltage suppressor (Non-polar)
R	With surge voltage suppressor (Non-polar)
U	With light/surge voltage suppressor (Non-polar)
S	With surge voltage suppressor (Positive common)
Z	With light/surge voltage suppressor (Positive common)
NS	With surge voltage suppressor (Negative common)
NZ	With light/surge voltage suppressor (Negative common)

* Only "Z" and "NZ" types are available for the product with power saving circuit.

9 Manual override



* Specifications and dimensions for the 25A-series are the same as standard products.

Plug-in Connector Connecting Base

Lead Wire

Type 12
Top Ported

Series 25A-SY5000

CE

RoHS

How to Order Manifold

25A-SS5Y 5 - 12 L1 1 - 05 U -

- Series compatible with secondary batteries

1 Series

5	SY5000
---	--------

2 Number of cores (Lead wire)

L1	34 cores
L2	17 cores
L3	9 cores

3 Lead wire length

1	0.6 m
2	1.5 m
3	3 m

4 Valve stations

(L1□)

Symbol	Stations	Note
02	2 stations	Double wiring ^{Note 1)}
:	:	
16	16 stations	Specified layout ^{Note 2)} (Available up to 32 solenoids)
02	2 stations	
:	:	
24	24 stations	

(L3□)

Symbol	Stations	Note
02	2 stations	Double wiring ^{Note 1)}
:	:	
04	4 stations	Specified layout ^{Note 2)} (Available up to 8 solenoids)
02	2 stations	
:	:	
08	8 stations	

(L2□)

Symbol	Stations	Note
02	2 stations	Double wiring ^{Note 1)}
:	:	
08	8 stations	Specified layout ^{Note 2)} (Available up to 16 solenoids)
02	2 stations	
:	:	
16	16 stations	

Note 1) Double wiring: 2-position single, double, 3-position and 4-position valves can be used on all manifold stations. Use of a 2-position single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.

Note 2) 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.)

Note 3) This also includes the number of blanking plate assembly.

5 P, E port entry

U ^{Note)}	U side (2 to 10 stations)
D ^{Note)}	D side (2 to 10 stations)
B	Both sides (2 to 24 stations)

Note) 6 For type "S", supply/exhaust block assembly with built-in silencer, choose U or D for P port entry.

6 SUP/EXH block assembly

Nil	Internal pilot
S	Internal pilot, Built-in silencer

* For built-in silencer type, P and E ports are available on U and D sides. 3/5(E) port is plugged. The silencer exhaust port is located on the opposite side of P, E port entry. (Example: When the P, E port entry is D side, the silencer exhaust port is U side.)

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

7 Mounting

Nil	Direct mounting	
D	DIN rail mounting (With DIN rail)	
D0	DIN rail mounting (Without DIN rail)	
D3	For 3 stations	Specify a longer rail than the standard length.
:	:	
D24	For 24 stations	

* Specifications and dimensions for the 25A-series are the same as standard products.

How to Order Valves (With two mounting screws)

25A-SY 5 1 3 0 - 5 1 - C6

• Series compatible with secondary batteries

• Top ported

1 Series

5	SY5000
---	--------

2 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.)

3 Seal type

0	Rubber seal
---	-------------

4 Back pressure check valve (Built-in valve type)

Nil	None
H	Built-in

* The built-in valve type back pressure check valve is not available for the 3-position type.

5 Pilot valve option

Nil	Standard (0.7 MPa)
B	Quick response type (0.7 MPa)

6 Coil type

Nil	Standard
T	With power saving circuit (Continuous duty type)

* Be sure to select the power saving circuit type when the valve is continuously energized for long periods of time.

* Note the specified energizing time when power saving circuit is selected.

7 Rated voltage

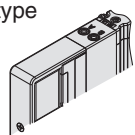
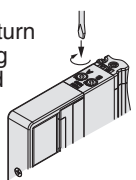
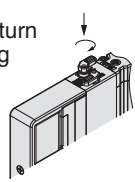
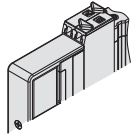
5	24 VDC
6	12 VDC

8 Light/surge voltage suppressor and common specification

Nil	Without light/surge voltage suppressor (Non-polar)
R	With surge voltage suppressor (Non-polar)
U	With light/surge voltage suppressor (Non-polar)
S	With surge voltage suppressor (Positive common)
Z	With light/surge voltage suppressor (Positive common)
NS	With surge voltage suppressor (Negative common)
NZ	With light/surge voltage suppressor (Negative common)

* Only "Z" and "NZ" types are available for the product with power saving circuit.

9 Manual override

Nil: Non-locking push type 	D: Push-turn locking slotted type 
E: Push-turn locking lever type 	F: Slide locking type 

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

Symbol	A, B port	SY5000
C4	ø4 One-touch fitting	●
C6	ø6 One-touch fitting	●
C8	ø8 One-touch fitting	●

* Specifications and dimensions for the 25A-series are the same as standard products.

Type 10
Side Ported

Type 11
Bottom Ported

Plug-in Connector Connecting Base

EX260

Series 25A-SY5000



RoHS

How to Order Manifold

25A-SS5Y 5 - 10 S N A N - 05 U - C6

1 2 3 4 5 6 7 8 9

• Series compatible with secondary batteries

1 Series

5	SY5000
---	--------

2 Type

10	Side ported
11	Bottom ported

3 SI unit specifications

Symbol	Protocol	Number of outputs	Communication connector
0	Without SI unit		
QA	DeviceNet™	32	M12
QB		16	
NA	PROFIBUS	32	M12
NB	DP	16	
DA	EtherCAT®	32	M12
DB		16	

For SI unit part number, refer to page 21.
DIN rail cannot be mounted without SI unit.

4 SI unit output polarity

Nil	Positive common
N	Negative common

Note 1) Ensure a match with the common specifications of the value to be used.

Note 2) Without SI unit, the symbol is nil.

5 Valve stations

In the case of the 32-output SI unit

Symbol	Stations	Note
02	2 stations	Double wiring Note 1)
⋮	⋮	
16	16 stations	
02	2 stations	Specified layout Note 2) (Available up to 32 solenoids)
⋮	⋮	
24	24 stations	

In the case of the 16-output SI unit

Symbol	Stations	Note
02	2 stations	Double wiring Note 1)
⋮	⋮	
08	8 stations	
02	2 stations	Specified layout Note 2) (Available up to 16 solenoids)
⋮	⋮	
16	16 stations	

Note 1) Double wiring: 2-position single, double, 3-position and 4-position valves can be used on all manifold stations.
Use of a 2-position single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.

Note 2) 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.)

Note 3) This also includes the number of blanking plate assembly.

Note 4) For the model without the SI unit (S0), note the maximum number of solenoids of the SI unit that will be mounted. If the layout is specified, indicate it on the manifold specification sheet.

6 P, E port entry

U	U side (2 to 10 stations)
D	D side (2 to 10 stations)
B	Both sides (2 to 24 stations)

7 SUP/EXH block assembly

Nil	Internal pilot
S	Internal pilot, Built-in silencer

* 3/5(E) port is plugged for the built-in silencer type.

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

9 Mounting

Symbol	Mounting
Nil	Direct mounting
D□	DIN rail mounting

Note 1) Enter the number of stations inside □.
(Refer to "DIN Rail Option" below.)

Note 2) Only direct mounting is available for Type 11 (Bottom ported).

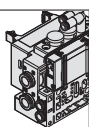
DIN rail option

Nil	Direct mounting
0	With DIN bracket (Without DIN rail)
3	For 3 stations
⋮	⋮
24	For 24 stations

* When it is necessary to mount a DIN rail without an SI unit, select D0 and order DIN rail length separately, referring to L3 in the dimensions.

8 A, B port size (Metric)

Symbol	A, B port	Type 10/ Side ported SY5000	Type 11/ Bottom ported SY5000
C4	ø4 One-touch fitting	●	●
C6	ø6 One-touch fitting	●	●
C8	ø8 One-touch fitting	●	●
CM*	Straight port, mixed sizes	●	●
P, E port size (One-touch fittings)		ø10	ø10

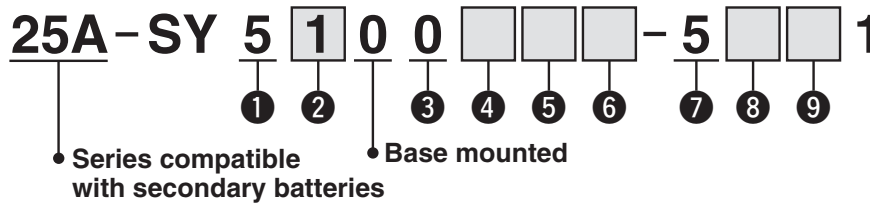


* Indicate the sizes on the manifold specification sheet in the case of "CM".

* Specifications and dimensions for the 25A-series are the same as standard products.

Refer to Fieldbus System (CAT.E02-25) for details on the EX260 Integrated-type (For Output) Serial Transmission System.

How to Order Valves (With two mounting screws)



1 Series

5	SY5000
---	--------

2 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.)

3 Seal type

0	Rubber seal
---	-------------

4 Back pressure check valve (Built-in valve type)

Nil	None
H	Built-in

* The built-in valve type back pressure check valve is not available for the 3-position type.

5 Pilot valve option

Nil	Standard (0.7 MPa)
B	Quick response type (0.7 MPa)

6 Coil type

Nil	Standard
T	With power saving circuit (Continuous duty type)

* Be sure to select the power saving circuit type when a valve is continuously energized for long periods of time.
* Note the specified energizing time when power saving circuit is selected.

7 Rated voltage

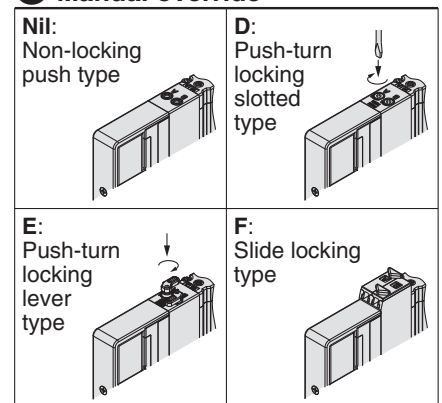
5	24 VDC
---	--------

8 Light/surge voltage suppressor and common specification

R	With surge voltage suppressor (Non-polar)
U	With light/surge voltage suppressor (Non-polar)
S	With surge voltage suppressor (Positive common)
Z	With light/surge voltage suppressor (Positive common)
NS	With surge voltage suppressor (Negative common)
NZ	With light/surge voltage suppressor (Negative common)

* Select a valve from R, U, S or Z when the SI unit output polarity is Nil (Positive common). Select a valve from R, U, NS or NZ when the SI unit output polarity is N (Negative common).
* Only "Z" and "NZ" types are available for the product with power saving circuit.

9 Manual override



* Specifications and dimensions for the 25A-series are the same as standard products.

Plug-in Connector Connecting Base

EX260

Type 12
Top Ported

Series 25A-SY5000

CE

RoHS

How to Order Manifold

25A-SS5Y 5 - 12S NA N - 05 U -

1 Series compatible with secondary batteries

1 Series

5	SY5000
---	--------

2 SI unit specifications

Symbol	Protocol	Number of outputs	Communication connector
0	Without SI unit		
QA	DeviceNet™	32	M12
QB		16	
NA	PROFIBUS DP	32	M12
NB		16	
DA	EtherCAT®	32	M12
DB		16	

For SI unit part number, refer to page 21.
DIN rail cannot be mounted without SI unit.

3 SI unit output polarity

Nil	Positive common (NPN)
N	Negative common (PNP)

Note 1) Ensure a match with the common specifications of the value to be used.

Note 2) Without SI unit, the symbol is nil.

4 Valve stations

In the case of the 32-output SI unit

Symbol	Stations	Note
02	2 stations	Double wiring Note 1)
:	:	
16	16 stations	
02	2 stations	Specified layout Note 2) (Available up to 32 solenoids)
:	:	
24	24 stations	

In the case of the 16-output SI unit

Symbol	Stations	Note
02	2 stations	Double wiring Note 1)
:	:	
08	8 stations	
02	2 stations	Specified layout Note 2) (Available up to 16 solenoids)
:	:	
16	16 stations	

Note 1) Double wiring: 2-position single, double, 3-position and 4-position valves can be used on all manifold stations.
Use of a 2-position single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.

Note 2) 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.)

Note 3) This also includes the number of blanking plate assembly.

Note 4) For the model without the SI unit (S0), note the maximum number of solenoids of the SI unit that will be mounted. If the layout is specified, indicate it on the manifold specification sheet.

5 P, E port entry

U Note)	U side (2 to 10 stations)
D Note)	D side (2 to 10 stations)
B	Both sides (2 to 24 stations)

Note) 6 For type "S", supply/exhaust block assembly with built-in silencer, choose U or D for P port entry.

6 SUP/EXH block assembly

Nil	Internal pilot
S	Internal pilot, Built-in silencer

* For built-in silencer type, P and E ports are available on U and D sides. 3/5(E) port is plugged. The silencer exhaust port is located on the opposite side of P, E port entry. (Example: When the P, E port entry is D side, the silencer exhaust port is U side.)

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

7 Mounting

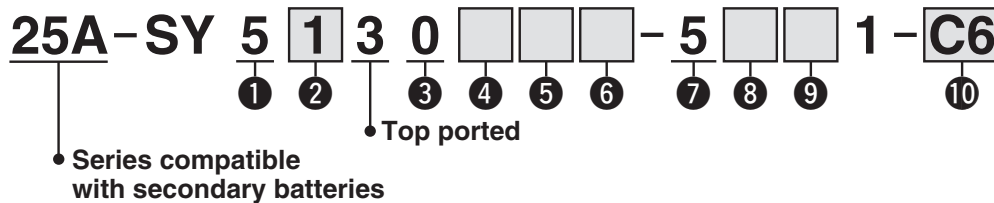
Nil	Direct mounting	
D	DIN rail mounting (With DIN rail)	
D0	DIN rail mounting (Without DIN rail)	
D3	For 3 stations	Specify a longer rail than the standard length.
:	:	
D24	For 24 stations	

* When it is necessary to mount a DIN rail without an SI unit, select D0 and order DIN rail length separately, referring to L3 in the dimensions.

* Specifications and dimensions for the 25A-series are the same as standard products.

Refer to Fieldbus System (CAT.E02-25) for details on the EX260 Integrated-type (For Output) Serial Transmission System.

How to Order Valves (With two mounting screws)



1 Series

5	SY5000
---	--------

2 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.)

3 Seal type

0	Rubber seal
---	-------------

4 Back pressure check valve (Built-in valve type)

Nil	None
H	Built-in

* The built-in valve type back pressure check valve is not available for the 3-position type.

5 Pilot valve option

Nil	Standard (0.7 MPa)
B	Quick response type (0.7 MPa)

6 Coil type

Nil	Standard
T	With power saving circuit (Continuous duty type)

* Be sure to select the power saving circuit type when a valve is continuously energized for long periods of time.

* Note the specified energizing time when power saving circuit is selected.

7 Rated voltage

5	24 VDC
---	--------

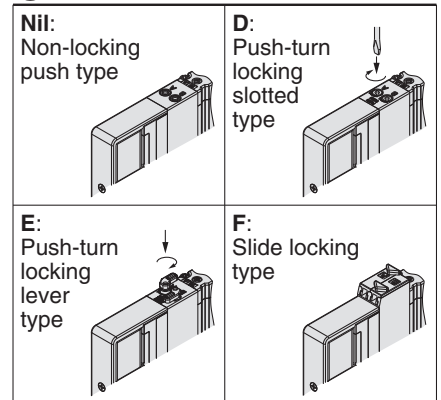
8 Light/surge voltage suppressor and common specification

R	With surge voltage suppressor (Non-polar)
U	With light/surge voltage suppressor (Non-polar)
S	With surge voltage suppressor (Positive common)
Z	With light/surge voltage suppressor (Positive common)
NS	With surge voltage suppressor (Negative common)
NZ	With light/surge voltage suppressor (Negative common)

* Select a valve from R, U, S or Z when the SI unit output polarity is Nil (Positive common). Select a valve from R, U, NS or NZ when the SI unit output polarity is N (Negative common).

* Only "Z" and "NZ" types are available for the product with power saving circuit.

9 Manual override

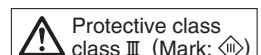


10 A, B port size

One-touch fitting (Metric)

Symbol	A and B port	SY5000
C4	ø4 One-touch fitting	●
C6	ø6 One-touch fitting	●
C8	ø8 One-touch fitting	●

* Specifications and dimensions for the 25A-series are the same as standard products.



Type 10
Side Ported

Type 11
Bottom Ported

Plug-in Connector Connecting Base

EX126

Series 25A-SY5000



RoHS

How to Order Manifold

25A-SS5Y 5 - 10 S4 V - 05 U - C6

1 2 3 4 5 6 7 8

• Series compatible with secondary batteries

1 Series

5	SY5000
---	--------

2 Type

10	Side ported
11	Bottom ported

3 SI unit

0	Without SI unit
V	CC-Link (Positive common NPN)

* Only a terminal block plate is mounted for the valve without SI unit.
For SI unit part number, refer to page 21.

4 Valve stations

Symbol	Stations	Note
02	2 stations	Double wiring Note 1)
⋮	⋮	
08	8 stations	Specified layout Note 2) (Available up to 16 solenoids)
02	2 stations	
⋮	⋮	
16	16 stations	

Note 1) Double wiring: 2-position single, double, 3-position and 4-position valves can be used on all manifold stations.
Use of a 2-position single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.

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

Note 3) This also includes the number of blanking plate assembly.

5 P, E port entry

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

6 SUP/EXH block assembly

Nil	Internal pilot
S	Internal pilot, Built-in silencer

* 3/5(E) port is plugged for the built-in silencer type.
* When the built-in silencer type is used, keep the exhaust port from coming in direct contact with water or other liquids.

8 Mounting

Symbol	Mounting
Nil	Direct mounting
D□	DIN rail mounting

Note 1) Enter the number of stations inside □. (Refer to "DIN Rail Option" below.)

Note 2) Only direct mounting is available for Type 11 (Bottom ported).

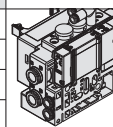
DIN rail option

Nil	Standard length
0	With DIN bracket (Without DIN rail)
3	For 3 stations
⋮	⋮
16	For 16 stations

Specify a longer rail than the total length of specified stations.

7 A, B port (Metric)

Symbol	A, B port	Type 10/ Side ported SY5000	Type 11/ Bottom ported SY5000
C4	ø4 One-touch fitting	●	●
C6	ø6 One-touch fitting	●	●
C8	ø8 One-touch fitting	●	●
CM*	Straight port, mixed sizes	●	●
P, E port size (One-touch fittings)		ø10	ø10



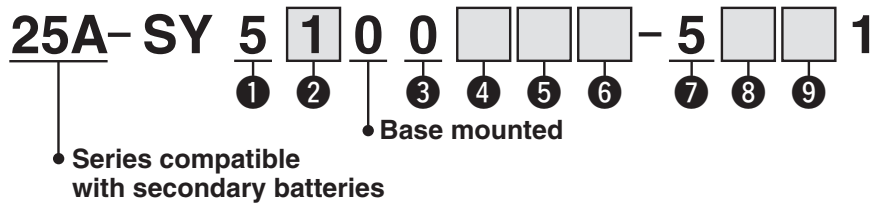
* Indicate the size on the manifold specification sheet in the case of "CM".

* The direction of P, E port fittings is the same as for A, B port.

* Specifications and dimensions for the 25A-series are the same as standard products.

Refer to Reduced Wiring Fieldbus System (Serial Transmission) in Electric Products (CAT.E150) for details on the EX126 Integrated-type (For Output) Serial Transmission System.

How to Order Valves (With two mounting screws)



1 Series

5	SY5000
---	--------

2 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.)

3 Seal type

0	Rubber seal
---	-------------

4 Back pressure check valve (Built-in valve type)

Nil	None
H	Built-in

* The built-in valve type back pressure check valve is not available for the 3-position type.

5 Pilot valve option

Nil	Standard (0.7 MPa)
B	Quick response type (0.7 MPa)

6 Coil type

Nil	Standard
T	With power saving circuit (Continuous duty type)

* Be sure to select the power saving circuit type when the valve is continuously energized for long periods of time.

* Note the specified energizing time when power saving circuit is selected.

7 Rated voltage

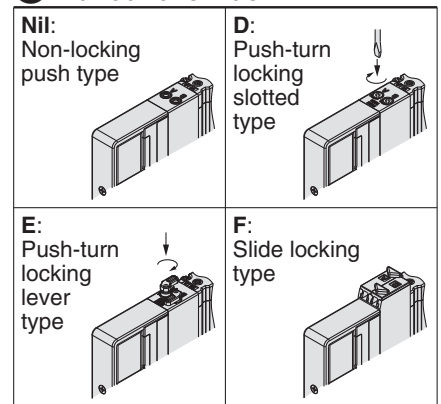
5	24 VDC
---	--------

8 Light/surge voltage suppressor and common specification

R	With surge voltage suppressor (Non-polar)
U	With light/surge voltage suppressor (Non-polar)
S	With surge voltage suppressor (Positive common)
Z	With light/surge voltage suppressor (Positive common)

* Only "Z" type is available for the product with power saving circuit.

9 Manual override



* Specifications and dimensions for the 25A-series are the same as standard products.

Plug-in Connector Connecting Base

EX126

Type 12
Top Ported

Series 25A-SY5000

RoHS

How to Order Manifold

25A – SS5Y 5 – 12S4 V – 05 U – –

1 2 3 4 5 6

- Series compatible with secondary batteries

1 Series

5	SY5000
---	--------

2 SI unit

0	Without SI unit
V	CC-Link (Positive common NPN)

* Only a terminal block plate is mounted for the valve without SI unit.
For SI unit part number, refer to page 21.

3 Valve stations

Symbol	Stations	Note
02	2 stations	Double wiring ^{Note 1)}
⋮	⋮	
08	8 stations	Specified layout ^{Note 2)} (Available up to 16 solenoids)
02	2 stations	
⋮	⋮	
16	16 stations	

Note 1) Double wiring: 2-position single, double, 3- position and 4-position valves can be used on all manifold stations.

Use of a 2-position single solenoid will result in an unused control signal. If this is not desired, order with a specified layout.

Note 2) 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.)

Note 3) This also includes the number of blanking plate assembly.

4 P, E port entry

U ^{Note)}	U side (2 to 10 stations)
D ^{Note)}	D side (2 to 10 stations)
B	Both sides (2 to 16 stations)

Note) 5 For type “S”, supply/exhaust block assembly with built-in silencer, choose U or D for P port entry.

5 SUP/EXH block assembly

Nil	Internal pilot
S	Internal pilot, Built-in silencer

* For built-in silencer type, P and E ports are available on U and D sides. 3/5(E) port is plugged. The silencer exhaust port is located on the opposite side of P, E port entry. (Example: When the P, E port entry is D side, the silencer exhaust port is U side.)

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

6 Mounting

Direct mounting		
D	DIN rail mounting (With DIN rail)	
D0	DIN rail mounting (Without DIN rail)	
D3	For 3 stations	Specify a longer rail than the standard length.
⋮	⋮	
D16	For 16 stations	

* Specifications and dimensions for the 25A-series are the same as standard products.

Refer to Reduced Wiring Fieldbus System (Serial Transmission) in Electric Products (CAT.E150) for details on the EX126 Integrated-type (For Output) Serial Transmission System.

How to Order Valves (With two mounting screws)

25A-SY 5 1 3 0 - 5 1 - C6

• Series compatible with secondary batteries

• Top ported

1 Series

5	SY5000
---	--------

2 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.)

3 Seal type

0	Rubber seal
---	-------------

4 Back pressure check valve (Built-in valve type)

Nil	None
H	Built-in

* The built-in valve type back pressure check valve is not available for the 3-position type.

5 Pilot valve option

Nil	Standard (0.7 MPa)
B	Quick response type (0.7 MPa)

6 Coil type

Nil	Standard
T	With power saving circuit (Continuous duty type)

* Be sure to select the power saving circuit type when the valve is continuously energized for long periods of time.

* Note the specified energizing time when power saving circuit is selected.

7 Rated voltage

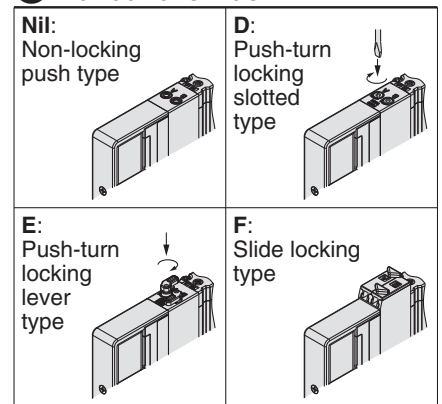
5	24 VDC
---	--------

8 Light/surge voltage suppressor and common specification

R	With surge voltage suppressor (Non-polar)
U	With light/surge voltage suppressor (Non-polar)
S	With surge voltage suppressor (Positive common)
Z	With light/surge voltage suppressor (Positive common)

* Only "Z" types are available for models with a power saving circuit.

9 Manual override



10 A, B port size

One-touch fitting (Metric)

Symbol	A, B port	SY5000
C4	ø4 One-touch fitting	●
C6	ø6 One-touch fitting	●
C8	ø8 One-touch fitting	●

* Specifications and dimensions for the 25A-series are the same as standard products.

⚠ Caution

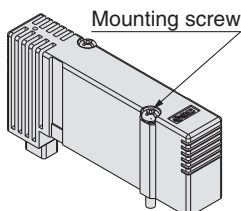
Tightening torque for mounting screw
M3: 0.8 N·m

Manifold Options

■ Blanking plate assembly

(With two mounting screws)

Used when valve additions are expected or for maintenance. A structure is in place on the blanking plate to prevent the mounting screws from sliding.



25A-SY50M-26-1A

How to Order Blanking Plate Assembly

25A-SY 5 0M-26-1 A

Series

5	SY5000
---	--------

Base type

1	For plug-in connector connecting base
---	---------------------------------------

* Specifications and dimensions for the 25A-series are the same as standard products.

Series 25A-SY5000

SI Unit Part No.

Description	Part no.	Note
	25A-SS5Y5	
EX260 SI unit	EX260-SPR1-X117	PROFIBUS M12 connector, 32 outputs (Negative common) (PNP)
	EX260-SPR2-X117	PROFIBUS M12 connector, 32 outputs (Positive common) (NPN)
	EX260-SPR3-X117	PROFIBUS M12 connector, 16 outputs (Negative common) (PNP)
	EX260-SPR4-X117	PROFIBUS M12 connector, 16 outputs (Positive common) (NPN)
	EX260-SDN1-X117	DeviceNet™ M12 connector, 32 outputs (Negative common) (PNP)
	EX260-SDN2-X117	DeviceNet™ M12 connector, 32 outputs (Positive common) (NPN)
	EX260-SDN3-X117	DeviceNet™ M12 connector, 16 outputs (Negative common) (PNP)
	EX260-SDN4-X117	DeviceNet™ M12 connector, 16 outputs (Positive common) (NPN)
	EX260-SEC1-X117	EtherCAT® M12 connector, 32 outputs (Negative common) (PNP)
	EX260-SEC2-X117	EtherCAT® M12 connector, 32 outputs (Positive common) (NPN)
	EX260-SEC3-X117	EtherCAT® M12 connector, 16 outputs (Negative common) (PNP)
	EX260-SEC4-X117	EtherCAT® M12 connector, 16 outputs (Positive common) (NPN)
EX126 SI unit	EX126D-SMJ1-X220	CC-Link (Terminal block, 16 outputs, Positive common (NPN))

Valve Mounting Screw Part No.

Description	Part no.	Note
	25A-SS5Y5	
Round head combination screw	SY5000-223-1A	Part numbers shown on the left are for 10 valves. (20 pcs.)

One-touch Fittings Part No.

Port size			SY5000
A, B port	Metric size	ø4 One-touch fitting (Straight type)	90-VVQ1000-51A-C4
		ø6 One-touch fitting (Straight type)	90-VVQ1000-51A-C6
		ø8 One-touch fitting (Straight type)	90-VVQ1000-51A-C8
P, E port	Metric size	ø10 One-touch fitting (Straight type)	90-VVQ2000-51A-C10

5 Port Solenoid Valve

Body Ported/Single Unit

Series 25A-SY5000/7000

How to Order

25A - SY 5 1 20 - 5 L - 01

Series compatible with secondary batteries

Series

5	SY5000
7	SY7000

Type of actuation

1	2 position single
2	2 position double
3	3 position closed center
4	3 position exhaust center
5	3 position pressure center

Coil specifications

Nil	Standard
T	With power saving circuit (24, 12 VDC only)

* Power saving circuit is not available in the case of D, Y or W □ type.

For DC

5	24 VDC
6	12 VDC
V	6 VDC
S	5 VDC
R	3 VDC

Rated voltage

For AC (50/60 Hz)

1	100 VAC
2	200 VAC
3	110 VAC [115 VAC]
4	220 VAC [230 VAC]

* DC specifications of type D and Y is only available with 12 and 24 VDC.

Electrical entry

24, 12, 6, 5, 3 VDC/100, 110, 200, 220 VAC				24, 12 VDC/100, 110, 200, 220 VAC
Grommet	L plug connector	M plug connector	DIN terminal	
G: With lead wire (Length 300 mm)	L: With lead wire (Length 300 mm)	M: With lead wire (Length 300 mm)	MN: Without lead wire	D, Y: With connector
H: With lead wire (Length 600 mm)	LN: Without lead wire	LO: Without connector	MO: Without connector	

- * LN, MN type: with 2 sockets.
- * "Y" type is a DIN terminal conforming to EN-175301-803C (former DIN43650C).
- * Refer to the standard products for the lead wire length of L and M plug connectors and the connector assembly with cover for L and M plug connector.

A, B port size Thread piping

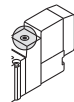
Symbol	Port size	Applicable series
01	Rc 1/8	SY5000
02	Rc 1/4	SY7000

One-touch fitting (Metric size)

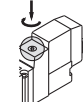
Symbol	Port size	Applicable series
C4	One-touch fitting for ø4	SY5000
C6	One-touch fitting for ø6	
C8	One-touch fitting for ø8	
C8	One-touch fitting for ø8	SY7000
C10	One-touch fitting for ø10	

Manual override

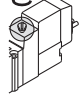
Nil: Non-locking push type



D: Push-turn locking slotted type



E: Push-turn locking lever type



Light/surge voltage suppressor

Electrical entry for G, H, L, M

Nil	Without light/surge voltage suppressor
S	With surge voltage suppressor
Z	With light/surge voltage suppressor
R	With surge voltage suppressor (Non-polar type)
U	With light/surge voltage suppressor (Non-polar type)

Electrical entry for D, Y

Nil	Without light/surge voltage suppressor
S	With surge voltage suppressor
Z	With light/surge voltage suppressor

* For AC voltage valves there is no "S" option. It is already built-in to the rectifier circuit.

- * For AC voltage valves there is no "S" option. It is already built-in to the rectifier circuit.
- * For "R" and "U", DC voltage is only available.
- * Power saving circuit is only available in the "Z" type.

Note) When placing an order for body ported solenoid valve as a single unit, mounting screw for manifold and gasket are not attached. Order them separately, if necessary.

* Specifications and dimensions for the 25A-series are the same as standard products.

5 Port Solenoid Valve Base Mounted/Single Unit Series 25A-SY5000/7000

How to Order

25A - SY 5 2 40 **5 L**

Series compatible with secondary batteries

Series

5	SY5000
7	SY7000

Type of actuation

1	2 position single
2	2 position double
3	3 position closed center
4	3 position exhaust center
5	3 position pressure center

Pilot type

Nil	Internal pilot
R	External pilot

Coil specifications

Nil	Standard
T	With power saving circuit (24, 12 VDC only)

* Power saving circuit is not available in the case of D or Y type.

Rated voltage

For DC

5	24 VDC
6	12 VDC
V	6 VDC
S	6 VDC
R	3 VDC

For AC (50/60Hz)

1	100 VAC
2	200 VAC
3	110 VAC [115 VAC]
4	220 VAC [230 VAC]

* DC specifications of type D and Y are only available with 12 and 24 VDC.

Port size

Symbol	Port size	Applicable series
Nil	Without sub-plate	
02	Rc 1/4	SY5000
	With sub-plate	SY7000
03	Rc 3/8	SY7000
	With sub-plate	SY9000

Manual override

Nil: Non-locking push type

D: Push-turn locking slotted type

E: Push-turn locking lever type

Light/surge voltage suppressor

Electrical entry for G, H, L, M

Nil	Without light/surge voltage suppressor
S	With surge voltage suppressor
Z	With light/surge voltage suppressor
R	With surge voltage suppressor (Non-polar type)
U	With light/surge voltage suppressor (Non-polar type)

Electrical entry for D, Y

Nil	Without light/surge voltage suppressor
S	With surge voltage suppressor (Non-polar type)
Z	With light/surge voltage suppressor (Non-polar type)

* For AC voltage valves there is no "S" option. It is already built-in to the rectifier circuit.

* For "R" and "U", DC voltage is only available.

* Power saving circuit is only available in the "Z" type.

Electrical entry

24, 12, 6, 5, 3 VDC / 100, 110, 200, 220 VAC				24, 12 VDC / 100, 110, 200, 220 VAC
Grommet	L plug connector	M plug connector	MN: Without lead wire	D, Y: With connector
G: With lead wire (Length 300 mm)	L: With lead wire (Length 300 mm)	M: With lead wire (Length 300 mm)		
H: With lead wire (Length 600 mm)	LN: Without lead wire	LO: Without connector	MO: Without connector	

* LN, MN type: with 2 sockets.

* "Y" type is a DIN terminal conforming to EN-175301-803C (former DIN43650C).

* Refer to the standard products for the lead wire length of L and M plug connectors and the connector assembly with cover for L and M plug connector.

* Specifications and dimensions for the 25A-series are the same as standard products.

Type **20**

5 Port Solenoid Valve Body Ported Manifold Bar Stock Type/Individual Wiring *Series 25A-SY5000/7000*

How to Order Manifold

25A – SS5Y **5** – 20 – **05**

- Series compatible with secondary batteries

Manifold series

5	SY5000
7	SY7000

Stations

02	2 stations
⋮	⋮
20	20 stations

* This also includes the number of blanking plate assemblies.

* Specifications and dimensions for the 25A-series are the same as standard products.

Directional Control Valves

Actuators

Related Products

Rotary Actuators

Air Grippers

Vacuum Equipment

Air Preparation Equipment

Clean Air Filters

Air Filters/Pressure Control Equipment

Fittings/Flow Control Equipment

Detection Switches

Fluid Control Equipment

Auto Switches

Series 25A-SY5000/7000

How to Order Valve

25A – SY 5 1 20 – 5 L – 01

- Series compatible with secondary batteries

Series

5	SY5000
7	SY7000

Type of actuation

1	2 position single
2	2 position double
3	3 position closed center
4	3 position exhaust center
5	3 position pressure center

Coil specifications

Nil	Standard
T	With power saving circuit (24 VDC, 12 VDC only)

* Power saving circuit is not available in the case of D or Y type.

Rated voltage

For DC		For AC (50/60Hz)	
5	24 VDC	1	100 VAC
6	12 VDC	2	200 VAC
V	6 VDC	3	110 VAC [115 VAC]
S	5 VDC	4	220 VAC [230 VAC]
R	3 VDC		

* DC specifications of type D and Y is only available with 12 and 24 VDC.

A, B port size Thread piping

Symbol	Port size	Applicable series
01	Rc 1/8	SY5000
02	Rc 1/4	SY7000

One-touch fitting (Metric size)

Symbol	Port size	Applicable series
C4	One-touch fitting for ø4	SY5000
C6	One-touch fitting for ø6	
C8	One-touch fitting for ø8	
C8	One-touch fitting for ø8	SY7000
C10	One-touch fitting for ø10	

Manual override

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

Light/surge voltage suppressor

Electrical entry for G, H, L, M

Nil	Without light/surge voltage suppressor
S	With surge voltage suppressor
Z	With light/surge voltage suppressor
R	With surge voltage suppressor (Non-polar type)
U	With light/surge voltage suppressor (Non-polar type)

* For AC voltage valves there is no "S" option. It is already built-in to the rectifier circuit.

* For "R" and "U", DC voltage is only available.

* Power saving circuit is only available in the "Z" type.

Electrical entry for D, Y

Nil	Without light/surge voltage suppressor
S	With surge voltage suppressor (Non-polar type)
Z	With light/surge voltage suppressor (Non-polar type)

* For AC voltage valves there is no "S" option. It is already built-in to the rectifier circuit.

Electrical entry

24, 12, 6, 5, 3 VDC/100, 110, 200, 220 VAC				24, 12 VDC/ 100, 110, 200, 220 VAC
Grommet	L plug connector	M plug connector	DIN terminal	
G: With lead wire (Length 300 mm)	L: With lead wire (Length 300 mm)	M: With lead wire (Length 300 mm)	D: With connector	
H: With lead wire (Length 600 mm)	LN: Without lead wire	MN: Without lead wire	Y: With connector	
	LO: Without connector	MO: Without connector		

* LN, MN type: with 2 sockets.

* "Y" type is a DIN terminal conforming to EN-175301-803C (former DIN43650C).

* Refer to the standard products for the lead wire length of L and M plug connectors and the connector assembly with cover for L and M plug connector.

* Specifications and dimensions for the 25A-series are the same as standard products.

Type **41**
Type **42**

5 Port Solenoid Valve Base Mounted Manifold Bar Stock Type/Individual Wiring Series **25A-SY5000/7000**

How to Order Manifold

Type 41/Compact style

25A – SS5Y 5 – 41 – 05 – C8

- Series compatible with secondary batteries

Manifold series

5	SY5000
---	--------

Stations

02	2 stations
⋮	⋮
20	20 stations

* This also includes the number of blanking plate assemblies.

A, B port size
Thread piping

Symbol	Port size	Applicable series
01	Rc 1/8	SY5000

One-touch fitting (Metric size)

Symbol	Port size	Applicable series
C6	One-touch fitting for ø6	SY5000
C8	One-touch fitting for ø8	

One-touch fitting (Inch size)

Symbol	Port size	Applicable series
N7	One-touch fitting for ø 1/4"	SY5000
N9	One-touch fitting for ø 5/16"	

Type 42/External pilot capable

25A – SS5Y 5 – 42 – 05 – C8

- Series compatible with secondary batteries

Manifold series

5	SY5000
7	SY7000

Stations

02	2 stations
⋮	⋮
20	20 stations

* This also includes the number of blanking plate assemblies.

A, B port size
Thread piping

Symbol	Port size	Applicable series
02	Rc 1/4	SY5000
02	Rc 1/4	SY7000

One-touch fitting (Metric size)

Symbol	Port size	Applicable series
C6	One-touch fitting for ø6	SY5000
C8	One-touch fitting for ø8	
C10	One-touch fitting for ø10	SY7000

One-touch fitting (Inch size)

Symbol	Port size	Applicable series
N7	One-touch fitting for ø 1/4"	SY5000
N9	One-touch fitting for ø 5/16"	
N11	One-touch fitting for ø 3/8"	SY7000

* Specifications and dimensions for the 25A-series are the same as standard products.

Series 25A-SY5000/7000

How to Order Valve

25A – SY 5 2 40 [] [] – 5 L [] []

- Series compatible with secondary batteries

Series

5	SY5000
7	SY7000

Type of actuation

1	2 position single
2	2 position double
3	3 position closed center
4	3 position exhaust center
5	3 position pressure center

Pilot type

Nil	Internal pilot
R	External pilot

Coil specifications

Nil	Standard
T	With power saving circuit (24 VDC, 12 VDC only)

* Power saving circuit is not available in the case of D or Y type.

Rated voltage

For DC

5	24 VDC
6	12 VDC
V	6 VDC
S	5 VDC
R	3 VDC

For AC (50/60Hz)

1	100 VAC
2	200 VAC
3	110 VAC [115 VAC]
4	220 VAC [230 VAC]

* DC specifications of Type D and Y is only available with 12 and 24 VDC.

Manual override

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

Light/surge voltage suppressor

Electrical entry for G, H, L, M

Nil	Without light/surge voltage suppressor
S	With surge voltage suppressor
Z	With light/surge voltage suppressor
R	With surge voltage suppressor (Non-polar type)
U	With light/surge voltage suppressor (Non-polar type)

* For AC voltage valves there is no "S" option. It is already built-in to the rectifier circuit.
 * For "R" and "U", DC voltage is only available.
 * Power saving circuit is only available in the "Z" type.

Electrical entry for D, Y

Nil	Without light/surge voltage suppressor
S	With surge voltage suppressor (Non-polar type)
Z	With light/surge voltage suppressor (Non-polar type)

* For AC voltage valves there is no "S" option. It is already built-in to the rectifier circuit.

Electrical entry

24, 12, 6, 5, 3 VDC/100, 110, 200, 220 VAC			24, 12 VDC/ 100, 110, 200, 220 VAC
Grommet	L plug connector	M plug connector	DIN terminal
G: With lead wire (Length 300 mm)	L: With lead wire (Length 300 mm)	M: With lead wire (Length 300 mm)	D: With connector
H: With lead wire (Length 600 mm)	LN: Without lead wire	MN: Without lead wire	Y: With connector
	LO: Without connector	MO: Without connector	

* LN, MN type: with 2 sockets.

* "Y" type is a DIN terminal conforming to EN-175301-803C (former DIN43650C).

* Refer to the standard products for the lead wire length of L and M plug connectors and the connector assembly with cover for L and M plug connector.

* Specifications and dimensions for the 25A-series are the same as standard products.

5 Port Solenoid Valve *Series 25A-SY5000/7000*

One-touch Fittings Part No. for Body Ported

Port size			25A-SY5000	25A-SY7000
Cylinder port	Metric size	ø4 One-touch fitting (Straight type)	90-VVQ1000-51A-C4	
		ø6 One-touch fitting (Straight type)	90-VVQ1000-51A-C6	
		ø8 One-touch fitting (Straight type)	90-VVQ1000-51A-C8	90-VVQ2000-51A-C8
		ø10 One-touch fitting (Straight type)		90-VVQ2000-51A-C10

Gasket Assembly Part No.

Valve model	Manifold type	25A-SY5000	25A-SY7000
Body ported	Type 20	SY5000-GS-3	SY7000-GS-3
Base mounted	Type 41/42	SY5000-GS-4	SY7000-GS-4

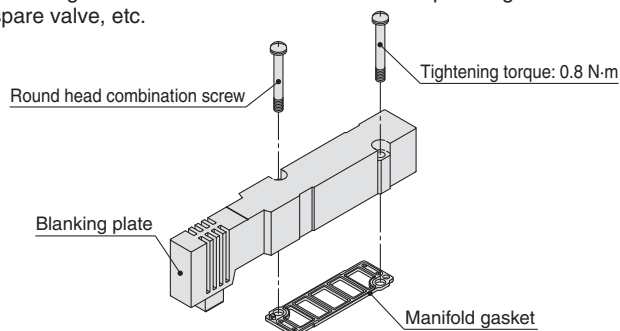
* The gasket assembly includes 10 sets of a gasket and mounting screws.

Manifold Options

Blanking plate assembly

(Mounting screw: 2 pcs., with gasket)

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



How to Order

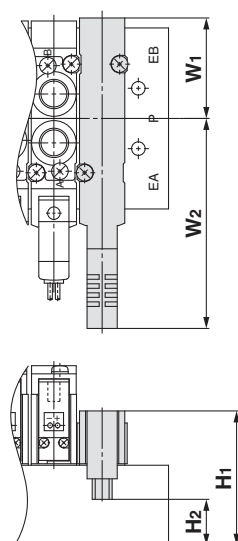
25A – SY **5** 000 – 26 – 1A

Series

5	25A-SY5000
7	25A-SY7000

Dimensions

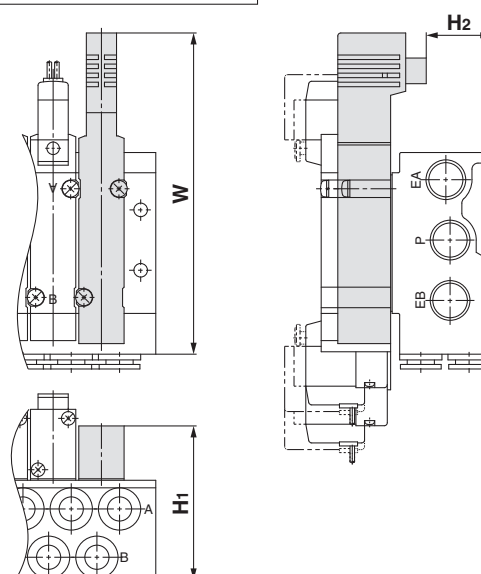
Manifold type/For type 20



Dimensions

Series	Manifold type	W1	W2	H1	H2
25A-SY5000	Type 20	33.3	69.6	44.5	15.2
25A-SY7000	Type 20	39.4	76.4	41.1	18.3

Manifold type/For type 41/42



Dimensions

Series	Manifold type	W	H1	H2
25A-SY5000	Type 41	106.4	51	21.7
	Type 42	107.6	56	26.7
25A-SY7000	Type 42	118.1	55.6	32.8

Plug-in Unit/Base Mounted F Kit (D-sub connector kit) Series 25A-VQ2000

How to Order Manifolds

Note) For CE compliant models, DC-type only.



25A-VV5Q 2 1-08 C6 F U 1- -

- Series compatible with secondary batteries**
- Series**
2 VQ2000
- Manifold**
1 Plug-in unit
- Stations**
02 2 stations
24 24 stations
- Cylinder port**
C4 With ø4 One-touch fitting
C6 With ø6 One-touch fitting
C8 With ø8 One-touch fitting
- Connector entry direction**
U Top entry
S Side entry
- Cable (Length)**
0 Without cable
1 With cable (1.5 m)
2 With cable (3 m)
3 With cable (5 m)
- CE compliant**
Nil —
Q CE compliant
Note) For CE compliant models, DC-type only.
- Option**

Symbol	Option
Nil	None
2	200/220 VAC models
B Note 2)	With back pressure check valve
D	DIN rail mounting
D0	With DIN rail bracket (Without DIN rail)
D□ Note 3)	DIN rail length specified (□: Stations 02 to 24)
K Note 4)	Special wiring specifications (Except double wiring)
N	With name plate
R Note 5)	External pilot
S	Direct EXH outlet with built-in silencer

Note 1) When two or more symbols are specified, indicate them alphabetically.
Example) -BRS
Note 2) Models with a suffix "-B" have check valves for prevention of back pressure at all manifold stations. When a back pressure check valve is desired, and is to be installed only in certain manifold stations, specify the mounting position by means of the manifold specification sheet.
Note 3) The number of stations that may be displayed is longer than the manifold number of stations.
Note 4) Specify the wiring specifications by means of the manifold specification sheet.
Note 5) Indicate "R" for the valve with external pilot.

How to Order Valves

Note) For CE compliant models, DC-type only.



25A-VQ 2 1 0 1 - 5 - - 1 -

- Series compatible with secondary batteries**
- Series**
2 VQ2000
- Seal**
1 Rubber seal
- 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 port (N.C./N.C.)
B	4-position dual port (N.O./N.O.)
C	4-position dual port (N.C./N.O.)
- Function**

Symbol	Specifications	DC	AC
Nil	Standard	(0.4 W) ○	○
B	High-speed response type	(0.95 W) ○	—
N	Negative common	○	—
R	External pilot	○	○

Note) When two or more symbols are specified, indicate them alphabetically.
- CE compliant**
Nil —
Q CE compliant
Note) For CE compliant models, DC-type only.
- Manual override**

Nil	Non-locking push type (Tool required)
B	Locking type (Tool required)
C	Locking type (Manual)
D	Slide locking type (Manual)
- Light/surge voltage suppressor**

Nil	Yes
E	None
- Coil voltage**

	CE compliant
1	100 VAC (50/60 Hz) —
2	200 VAC (50/60 Hz) —
3	110 VAC (50/60 Hz) —
4	220 VAC (50/60 Hz) —
5	24 VDC ●
6	12 VDC ●

⚠ Caution

Use the standard (DC) specification when continuously energizing for long periods of time.

* Specifications and dimensions for the 25A-series are the same as standard products.

Plug-in Unit/Base Mounted T Kit (Terminal block box kit) Series 25A-VQ2000

How to Order Manifold

Note) For CE compliant models, DC-type only.  [Option]

25A-VV5Q 2 1-08 C6 T 0-

- Series compatible with secondary batteries**
- Series**
2 VQ2000
- Manifold**
1 Plug-in unit
- Stations**
02 2 stations
20 20 stations
- Cylinder port**

Symbol	Port size
C4	With ø4 One-touch fitting
C6	With ø6 One-touch fitting
C8	With ø8 One-touch fitting

Symbol	Option
Nil	None
B Note 2)	With back pressure check valve
D	DIN rail mounting
D0	With DIN rail bracket (Without DIN rail)
D□ Note 5)	DIN rail length specified (□: Stations 02 to 24)
K Note 5)	Special wiring spec. (Except double wiring)
N	With name plate
R Note 6)	External pilot
S	Direct EXH outlet with built-in silencer
W	Enclosure: Dust-tight, Water-jets-proof (IP65)

CE compliant

Nil	—
Q	CE compliant

Note) For CE compliant models, DC-type only.

Note 1) When two or more symbols are specified, indicate them alphabetically.
Example) -BRS

Note 2) Models with a suffix "B" have check valves for prevention of back pressure at all manifold stations. When a back pressure check valve is desired, and is to be installed only in certain manifold stations, specify the mounting position by means of the manifold specification sheet.

Note 3) The number of stations that may be displayed is longer than the manifold number of stations.

Note 4) Specify the mounting position by means of the manifold specification sheet.

Note 5) Specify the wiring specifications by means of the manifold specification sheet.

Note 6) Indicate "R" for the valve with external pilot.

How to Order Valves

Note) For CE compliant models, DC-type only.  [Option]

25A-VQ 2 1 0 1 - 5

- Series compatible with secondary batteries**
- Series**
2 VQ2000
- Type of actuation**
- Seal**
1 Rubber seal
- Function**
- CE compliant**
- Enclosure**
- Manual override**
- Light/surge voltage suppressor**
- Coil voltage**

Symbol	Specifications	DC	AC
Nil	Standard	(0.4 W) ○	○
B	High-speed response type	(0.95 W) ○	—
N	Negative common	○	—
R	External pilot	○	○

CE compliant

Nil	—
Q	CE compliant

Note) For CE compliant models, DC-type only.

Symbol	Option
Nil	Dustproof
W	Dust-tight/Water-jets-proof type (IP65)

Symbol	Manual override
Nil	Non-locking push type (Tool required)
B	Locking type (Tool required)
C	Locking type (Manual)
D	Slide locking type (Manual)

Symbol	Light/surge voltage suppressor
Nil	Yes
E	None

Symbol	Coil voltage	CE compliant
1	100 VAC (50/60 Hz)	—
3	110 VAC (50/60 Hz)	—
5	24 VDC	●
6	12 VDC	●

Caution
Use the standard (DC) specification when continuously energizing for long periods of time.

Note) When two or more symbols are specified, indicate them alphabetically. Combination of [B] and [K] is not possible.

* Specifications and dimensions for the 25A-series are the same as standard products.

Plug-in Unit/Base Mounted L Kit (Lead wire) Series 25A-VQ2000

How to Order Manifold

Note) For CE compliant models, DC-type only.

CE [Option]

25A-VV5Q 2 1-06 C6 L 1 - -

- Series compatible with secondary batteries**
- Series**

2	VQ2000
---	--------
- Manifold**

1	Plug-in unit
---	--------------
- Stations**

01	1 station
...	...
08	8 stations
- Cylinder port**

Symbol	Port size
C4	With ø4 One-touch fitting
C6	With ø6 One-touch fitting
C8	With ø8 One-touch fitting
- Cable (Length)**

0	Cable length 0.6 m
1	Cable length 1.5 m
2	Cable length 3 m
- CE compliant**

Nil	—
Q	CE compliant

Note) For CE compliant models, DC-type only.
- Option**

Symbol	Option
Nil	None
2	200/220 VAC models
B Note 2)	With back pressure check valve
D	DIN rail mounting
D0	With DIN rail bracket (Without DIN rail)
D□ Note 3)	DIN rail length specified (□: Stations 02 to 08)
N	With name plate
R Note 4)	External pilot
S	Direct EXH outlet with built-in silencer
W	Enclosure: Dust-tight, Water-jets-proof (IP65)

Note 1) When two or more symbols are specified, indicate them alphabetically. Example) -BRS
Note 2) Models with a suffix "B" have check valves for prevention of back pressure at all manifold stations. When a back pressure check valve is desired, and is to be installed only in certain manifold stations, specify the mounting position by means of the manifold specification sheet.
Note 3) The number of stations that may be displayed is longer than the manifold a number of stations.
Note 4) Indicate "R" for the valve with external pilot.

How to Order Valves

Note) For CE compliant models, DC-type only.

CE [Option]

25A-VQ 2 1 0 1 - 5 - - - 1 -

- Series compatible with secondary batteries**
- Series**

2	VQ2000
---	--------
- 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 port (N.C./N.C.)
B	4-position dual port (N.O./N.O.)
C	4-position dual port (N.C./N.O.)
- Seal**

1	Rubber seal
---	-------------
- Function**

Symbol	Specifications	DC (0.4 W)	AC (0.95 W)
Nil	Standard	○	○
B	High-speed response type	○	—
N	Negative common	○	—
R	External pilot	○	○

Note) When two or more symbols are specified, indicate them alphabetically.
- CE compliant**

Nil	—
Q	CE compliant

Note) For CE compliant models, DC-type only.
- Enclosure**

Nil	Dustproof
W	Dust-tight/Water-jets-proof type (IP65)
- Manual override**

Nil	Non-locking push type (Tool required)
B	Locking type (Tool required)
C	Locking type (Manual)
D	Slide locking type (Manual)
- Light/surge voltage suppressor**

Nil	Yes
E	None
- Coil voltage**

	CE compliant
1 100 VAC (50/60 Hz)	—
2 200 VAC (50/60 Hz)	—
3 110 VAC (50/60 Hz)	—
4 220 VAC (50/60 Hz)	—
5 24 VDC	●
6 12 VDC	●

* Specifications and dimensions for the 25A-series are the same as standard products.

Plug-in Unit/Base Mounted S Kit (Serial transmission) Series 25A-VQ2000

Note) Refer to "SI Unit Part No." when ordering the CE-compliant SI unit.



How to Order Manifold

25A-VV5Q 2 1 - 08 C6 S V - -

• Series compatible with secondary batteries

Series
2 VQ2000

Manifold
1 Plug-in unit

Stations	
02	2 stations
:	:
16 Note)	16 stations

Note) Max. 16 stations.
(Specify a model with 9 to 16 stations by means of the manifold specification sheet.)

• Cylinder port

Symbol	Port size
C4	With ø4 One-touch fitting
C6	With ø6 One-touch fitting
C8	With ø8 One-touch fitting

• SI unit specifications

Symbol	Protocol	Stations
0	Without SI unit	—
Q	DeviceNet™ System	Max.16 stations
V	CC-Link	

• CE compliant

Nil	—
Q	CE compliant

* Refer to "SI Unit Part No." when ordering the CE-compliant SI unit.

• Option

Symbol	Option
Nil	None
B Note 2)	With back pressure check valve
D	DIN rail mounting
D□ Note 3)	DIN rail length specified (□: Stations 02 to 16)
K Note 4)	Special wiring specifications (Except double wiring)
N	With name plate
R Note 5)	With external pilot
S	Direct EXH outlet with built-in silencer
W Note 6)	Enclosure: Dust-tight, Water-jets-proof (IP65)

Note 1) When two or more symbols are specified, indicate them alphabetically.
Example) -BRS.

Note 2) Models with a suffix "-B" have check valves for prevention of back pressure at all manifold stations. When a back pressure check valve is desired, and is to be installed only in certain manifold stations, specify the mounting position by means of the manifold specification sheet.

Note 3) The number of stations that may be displayed is longer than the manifold number of stations.

Note 4) Specify the wiring specifications by means of the manifold specification sheet.

Note 5) Indicate "R" for the valve with external pilot.

Note 6) Refer to "Dimensions" of the standard products for SI unit and valve, in case of W (Dust-tight, Water-jet-proof).

SI Unit Part No.

Symbol	Protocol	SI unit part no.
Q	DeviceNet™	EX120-SDN1-X220
V	CC-Link	EX120-SMJ1-X220

SI Unit Part No. (With option W)

Symbol	Protocol	SI unit part no.
Q	DeviceNet™	EX124D-SDN1-X220
V	CC-Link	EX124D-SMJ1-X220

How to Order Valves



25A-VQ 2 1 0 1 - 5 - - 1 -

Series
2 VQ2000

• Series compatible with secondary batteries

• 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 port (N.C./N.C.)
B	4-position dual port (N.O./N.O.)
C	4-position dual port (N.C./N.O.)

• Seal

1 Rubber seal

• CE compliant

Nil	—
Q	CE compliant

• Manual override

Nil	Non-locking push type (Tool required)
B	Locking type (Tool required)
C	Locking type (Manual)
D	Slide locking type (Manual)

• Enclosure

Nil	Dustproof
W	Dust-tight/Water-jets-proof type (IP65)

• Coil voltage

5	24 VDC; With indicator light/ surge voltage suppressor
---	--

• Function

Symbol	Specifications	DC
Nil	Standard	(0.4 W) ○
B	High-speed response type	(0.95 W) ○
N Note 1)	Negative common	○
R Note 1)	External pilot	○

Note 1) External pilot and negative common specifications are the same as standard products.

Note 2) When two or more symbols are specified, indicate them alphabetically.

* Specifications and dimensions for the 25A-series are the same as standard products.

Sub-plate Single Unit

Series 25A-VQ2000

How to Order

Note) For CE compliant models, DC-type only.



In the case of **Valve** + **Sub-plate**

25A-VQ2 **1** **0** **1** - **5** **W** **1** - **02** **□** - **□**

Series compatible with secondary batteries

Entry is the same as standard products.

Enclosure

Nil	Dustproof
W Note 1)	Dust-tight/Water-jets-proof type (IP65)

Note 1) Valves are IP65 specifications.

Note 2) When the valve is a standard (dust-protected) specification, it is not compatible with 200 or 220 VAC.

CE compliant

Nil	—
Q	CE compliant

Note) For CE compliant models, DC-type only.

Thread type

Nil	Rc
N	NPT
T	NPTF
F	G

Port size

02	1/4
-----------	-----

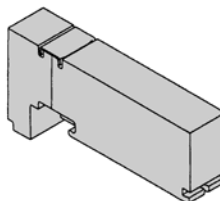
In the case of **Sub-plate** alone

25A-VQ2000-PW-02

Manifold Optional Parts

Blanking plate assembly 25A-VVQ2000V-10A-1

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



* Specifications and dimensions for the 25A-series are the same as standard products.

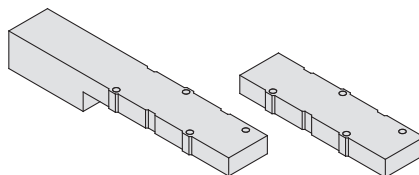
Manifold Optional Parts

Blanking plate assembly

25A-VVQ4000-10A-1 (Plug-in type)

25A-VVQ4000-10A-5 (Plug lead type)

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



* Specifications and dimensions for the 25A-series are the same as standard products.

SI Unit Part No.

Description	Part no.	Note
	25A-VV5Q2/4	
EX124 SI unit	EX124D-SMJ1-X220	CC-Link
	EX124D-SDN1-X220	DeviceNet™
EX120 SI unit	EX120-SMJ1-X220	CC-Link (VQ2000/Without option W)
	EX120-SDN1-X220	DeviceNet™ (VQ2000/Without option W)

One-touch Fittings Part No.

Port size			25A-VQ2000
Cylinder port	Metric size	ø4 One-touch fitting (Straight type)	90-VVQ1000-51A-C4
		ø6 One-touch fitting (Straight type)	90-VVQ1000-51A-C6
		ø8 One-touch fitting (Straight type)	90-VVQ1000-51A-C8
		ø10 One-touch fitting (Straight type)	
		ø12 One-touch fitting (Straight type)	
1(P), 3(R) port	Metric size	ø10 One-touch fitting (Straight type)	90-VVQ2000-51A-C10

Plug-in/Plug Lead: Single Unit Base Mounted Series 25A-VQ4000



How to Order Valves

Body

0: Plug-in sub-plate

Port size

Nil	Without sub-plate (For manifold)
02	Rc 1/4
03	Rc 3/8

Note) Thread standard is the same as standard products.

Porting specifications

Nil	Side ported
B	Bottom ported

Enclosure

Nil	Dustproof
W	Dust-tight/Water-jets-proof type (IP65)

CE compliant

Nil	—
Q	CE compliant

Manual override

Nil: Non-locking push type (Tool required)

B: Slotted locking type (Tool required)

Light/Surge voltage suppressor

Nil	Yes
E	Without light, with surge voltage suppressor

Electrical entry

Grommet	G	Lead wire length 0.6 m
	H	Lead wire length 1.5 m

Coil voltage

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)
3	110 VAC (50/60 Hz)
4	220 VAC (50/60 Hz)
5	24 VDC
6	12 VDC

Function

Nil	Standard type (1 W)
Y (1)	Low wattage type (0.5 W)
R (2)	External pilot

Note 1) Applicable to DC specifications. Please select when you expect to energize the unit for extended periods of time.

Note 2) External pilot specifications are the same as standard products. Combination of external pilot and perfect interface is not possible.

Note 3) When two or more symbols are specified, indicate them alphabetically.

Seal

1	Rubber seal
---	-------------

Type of actuation

1	2 position single
2	Rubber/2 position double
3	3 position closed center
4	3 position exhaust center
5	3 position pressure center
6 Note)	3 position double check

Note) For double check style, refer to Best Pneumatics No. 1.

Plug-in 25A-VQ4 1 0 1

Plug lead 25A-VQ4 2 5 1

Body

5: Plug lead sub-plate

Series compatible with secondary batteries

How to Order Sub-plates



25A-VQ4000

Series compatible with secondary batteries

Electrical entry

P	Plug-in conduit terminal
S	Plug lead

Enclosure

Nil	Dustproof
W Note)	Dust-tight/Water-jets-proof type (IP65)

Note) It is not necessary for plug lead type.

Porting specifications

Nil	Side ported
B	Bottom ported (1)

Note 1) For bottom ported port size is RC 1/4 only.

Note 2) Thread standard is the same as standard products.

CE compliant

Nil	—
Q	CE compliant

Port size

02	Rc1/4
03	Rc3/8

* Specifications and dimensions for the 25A-series are the same as standard products.

Plug-in Unit/Base Mounted F Kit (D-sub connector kit) Series 25A-VQ4000



How to Order Manifold

25A – VV5Q 4 1 – 08 C8 F U 1 – –

- Series compatible with secondary batteries**
- Series**
 - 4 VQ4000
- Manifold**
 - 1 Plug-in unit
- Stations**

01	1 station
...	...
18	18 stations
- Cylinder port**

C8	With One-touch fitting for ø8
C10	With One-touch fitting for ø10
C12	With One-touch fitting for ø12
02	Rc 1/4
03	Rc 3/8
B	Bottom ported Rc 1/4
CM	Mixed

Note) As an option, the maximum number of stations can be increased by special wiring specifications.
- CE compliant**

Nil	—
Q	CE compliant
- Option**

Symbol	Option
Nil	None
K (1)	Special wiring specifications (Except double wiring)

Note 1) Specify the wiring specifications on the manifold specification sheet.
Note 2) Refer to the standard products for with control unit.
- Cable (Length)**

0	Without cable
1	Cable length 1.5 m
2	Cable length 3 m
3	Cable length 5 m
- Connector entry direction**

D	D side entry
U	U side entry

How to Order Valves



25A – VQ 4 1 0 1 – 5 – –

- Series compatible with secondary batteries**
- Series**
 - 4 VQ4000
- 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
6	3 position double check
- Seal**
 - 1 Rubber seal
- Function**

Nil	Standard type (1 W)
Y (1)	Low wattage type (0.5 W)
R (2)	External pilot

Note 1) Applicable to DC specifications. Please select when you expect to energize the unit for extended periods of time.
Note 2) External pilot specifications are the same as standard products. Combination of external pilot and perfect interface is not possible.
Note 3) When two or more symbols are specified, indicate them alphabetically.
- CE compliant**

Nil	—
Q	CE compliant
- Manual override**

Nil	Non-locking push type (Tool required)
B	Locking type (Tool required)
- Light/Surge voltage suppressor**

Nil	Yes
E	Without light, with surge voltage suppressor
- Coil voltage**

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)
3	110 VAC (50/60 Hz)
4	220 VAC (50/60 Hz)
5	24 VDC
6	12 VDC

* Specifications and dimensions for the 25A-series are the same as standard products.

Plug-in Unit/Base Mounted T Kit (Terminal block box kit) Series 25A-VQ4000



How to Order Manifold

25A – VV5Q 4 1 – 08 C8 T 0 –

• **Series compatible with secondary batteries**

• **Series**
4 VQ4000

• **Manifold**
1 Plug-in unit

• **Stations**

03	3 stations
:	:
18	18 stations

Note) 2 stations are used for mounting the terminal block box. The number of stations is the number of manifold valves plus 2 stations for the terminal block box. For 13 stations or more, specify the wiring specifications by means of the manifold specification sheet.

• **Cylinder port**

C8	With One-touch fitting for ø8
C10	With One-touch fitting for ø10
C12	With One-touch fitting for ø12
02	Rc 1/4
03	Rc 3/8
B	Bottom ported Rc 1/4
CM	Mixed

Note) As an option, the maximum number of stations can be increased by special wiring specifications.

• **Box mounting position**

O	U side mounting
D	D side mounting

• **CE compliant**

Nil	—
Q	CE compliant

• **Option**

Symbol	Option
Nil	None
K (2)	Special wiring specifications (Except double wiring, for 13 stations or more)
N (3)	Name plate
W	IP65 enclosure

Note 1) When two or more symbols are specified, indicate them alphabetically.
Example) -KM

Note 2) Specify the wiring specifications on the manifold specification sheet.

Note 3) Name plate is inlaid in the terminal block cover.

Note 4) With control unit is the same as standard products.



How to Order Valves

25A – VQ 4 1 0 1 – 5

• **Series compatible with secondary batteries**

• **Series**
4 VQ4000

• **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
6	3 position double check

• **Seal**
1 Rubber seal

• **Function**

Nil	Standard type (1 W)
Y (1)	Low wattage type (0.5 W)
R (2)	External pilot

Note 1) Applicable to DC specifications. Please select when you expect to energize the unit for extended periods of time.

Note 2) External pilot specifications are the same as standard products. Combination of external pilot and perfect interface is not possible.

Note 3) When two or more symbols are specified, indicate them alphabetically.

• **CE compliant**

Nil	—
Q	CE compliant

• **Enclosure**

Nil	Dustproof
W	Dust-tight / Water-jets-proof type (IP65)

• **Manual override**

Nil	Non-locking push type (Tool required)
B	Locking type (Tool required)

• **Light/Surge voltage suppressor**

Nil	Yes
E	Without light, with surge voltage suppressor

• **Coil voltage**

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)
3	110 VAC (50/60 Hz)
4	220 VAC (50/60 Hz)
5	24 VDC
6	12 VDC

* Specifications and dimensions for the 25A-series are the same as standard products.

Plug-in Unit/Base Mounted L Kit (Lead wire cable)

Series 25A-VQ4000



How to Order Manifold

25A – VV5Q 4 1 – 08 C8 L D – –

- Series compatible with secondary batteries**
- Series**

4	VQ4000
---	--------
- Manifold**

1	Plug-in unit
---	--------------
- Stations**

01	1 stations
⋮	⋮
16	16 stations
- Cylinder port**

C8	With One-touch fitting for ø8
C10	With One-touch fitting for ø10
C12	With One-touch fitting for ø12
02	Rc 1/4
03	Rc 3/8
B	Bottom ported Rc 1/4
CM	Mixed
- CE compliant**

Nil	—
Q	CE compliant
- Option**

Symbol	Option
Nil	None
W	IP65 enclosure
- Cable (Length)**

0	Cable length 0.6 m
1	Cable length 1.5 m
2	Cable length 3 m
- Connector locations**

D	D side entry
U	U side entry

How to Order Valves



25A – VQ 4 1 0 1 – 5 – – –

- Series compatible with secondary batteries**
- Series**

4	VQ4000
---	--------
- 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
6	3 position double check
- Seal**

1	Rubber seal
---	-------------
- Function**

Nil	Standard type (1 W)
Y ⁽¹⁾	Low wattage type (0.5 W)
R ⁽²⁾	External pilot
- CE compliant**

Nil	—
Q	CE compliant
- Enclosure**

Nil	Dustproof
W	Dust-tight/Water-jets-proof type (IP65)
- Manual override**

Nil	Non-locking push type (Tool required)
B	Locking type (Tool required)
- Light /Surge voltage suppressor**

Nil	Yes
E	Without light, with surge voltage suppressor
- Coil voltage**

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)
3	110 VAC (50/60 Hz)
4	220 VAC (50/60 Hz)
5	24 VDC
6	12 VDC

Note 1) Applicable to DC specification. Please select when you expect to energize the unit for extended periods of time.

Note 2) External pilot specifications are the same as standard products. Combination of external pilot and perfect interface is not possible.

Note 3) When two or more symbols are specified, indicate them alphabetically.

* Specifications and dimensions for the 25A-series are the same as standard products.

Plug-in Unit/Base Mounted S Kit (Serial transmission unit) Series 25A-VQ4000

Note) Refer to "SI Unit Part No." when ordering the CE-compliant SI unit.



How to Order Manifold

25A – VV5Q 4 1 – 08 C8 S D V –

• **Series compatible with secondary batteries**

• **Series**
4 VQ4000

• **Manifold**
1 Plug-in unit

• **Stations**

03	3 stations
...	...
18	18 stations

Note) 2 stations are used for mounting SI unit. The number of stations is the number of manifold valves plus 2 stations for SI unit. For 11 stations or more, specify the wiring specifications by means of the manifold specification sheet.

• **Cylinder ports**

C8	With One-touch fitting for ø8
C10	With One-touch fitting for ø10
C12	With One-touch fitting for ø12
02	Rc 1/4
03	Rc 3/8
B	Bottom ported Rc 1/4
CM	Mixed

• **SI unit**

0	Without SI unit
Q	DeviceNet™
V	CC-Link

• **SI unit mounting position**

D	D side mounting
U	U side mounting

• **CE compliant**

Nil	—
Q	CE compliant

• **Option**

Symbol	Option
Nil	None
K (2)	Special wiring specifications (Except double wiring, for 11 stations or more)
W	IP65 enclosure

Note 1) When two or more symbols are specified, indicate them alphabetically. Example) -KW
Note 2) Specify the wiring specifications in the manifold specification sheet.
Note 3) With control unit is the same as standard products.
Note 4) The release valve and the pressure switch on the manifold with control unit are connected to another power supply. Cable length is 0.6 m for L kit.

How to Order Valves

25A – VQ 4 1 0 1 – 5

• **Series compatible with secondary batteries**

• **Series**
4 VQ4000

• **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
6	3 position double check

• **Seal**
1 Rubber seal

• **Function**

Nil	Standard type (1 W)
Y (1)	Low wattage type (0.5 W)
R (2)	External pilot

• **CE compliant**

Nil	—
Q	CE compliant

• **Enclosure**

Nil	Dustproof
W	Dust-tight/Water-jets-proof type (IP65)

• **Manual override**

Nil	Non-locking push type (Tool required)
B	Locking type (Tool required)

• **Light /Surge voltage suppressor**

Nil	Yes
E	Without light, with surge voltage suppressor

• **Coil voltage**

5	24 VDC
---	--------

Note 1) Applicable to DC specifications. Please select when you expect to energize the unit for extended periods of time.
Note 2) External pilot specifications are the same as standard products. Combination of external pilot and perfect interface is not possible.
Note 3) When two or more symbols are specified, indicate them alphabetically.

* Specifications and dimensions for the 25A-series are the same as standard products.

Plug Lead Unit/Base Mounted C Kit (Connector kit)



Series 25A-VQ4000

How to Order Manifold

25A – VV5Q 4 5 – 08 C8 C – W –

- Series compatible with secondary batteries**
- Series**
4 VQ4000
- Manifold**
5 Plug lead unit
- Stations**
01 1 stations
16 16 stations
- Cylinder port**

C8	With One-touch fitting for ø8
C10	With One-touch fitting for ø10
C12	With One-touch fitting for ø12
02	Rc 1/4
03	Rc 3/8
B	Bottom ported Rc 1/4
CM	Mixed
- Kit type**
C kit (Connector)
- Control unit**
Refer to the standard products.
- CE compliant**

Nil	—
Q	CE compliant
- Option**

Symbol	Option
Nil	None
W	IP65 enclosure

C Connector kit Max. 16 stations

Refer to Best Pneumatics No. 1 for wiring specifications.

How to Order Valves

25A – VQ 4 1 5 1 – 5 G –

- Series compatible with secondary batteries**
- Series**
4 VQ4000
- 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
6	3 position double check
- Seal**
1 Rubber seal
- Function**

Nil	Standard type (1 W)
Y (1)	Low wattage type (0.5 W)
R (2)	External pilot
- Enclosure**

Nil	Dustproof
W	Dust-tight/Water-jets-proof type (IP65)
- Light/Surge voltage suppressor**

Nil	Yes
E	Without light, with surge voltage suppressor
- Manual override**

Nil: Non-locking push type (Tool required)	B: Locking type (Tool required)
---	--
- Electrical entry**

G	Lead wire length 0.6 m
H	Lead wire length 1.5 m
- Coil voltage**

1	100 VAC (50/60 Hz)	4	220 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)	5	24 VDC
3	110 VAC (50/60 Hz)	6	12 VDC

* Specifications and dimensions for the 25A-series are the same as standard products.

Note 1) Applicable to DC specifications. Please select when you expect to energize the unit for extended periods of time.

Note 2) External pilot specifications are the same as standard products. Combination of external pilot and perfect interface is not possible.

Note 3) When two or more symbols are specified, indicate them alphabetically.

Series 25A-VQ4000

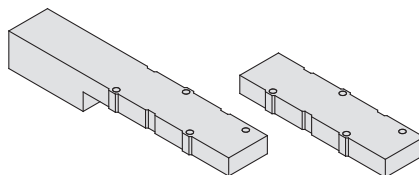
Manifold Option Parts

Blanking plate assembly

25A-VVQ4000-10A-1 (Plug-in type)

25A-VVQ4000-10A-5 (Plug lead type)

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



* Specifications and dimensions for the 25A-series are the same as standard products.

SI Unit Part No.

Description	Part no.	Note
EX124 SI unit	EX124D-SMJ1-X220	CC-Link/D side mounting
	EX124D-SDN1-X220	DeviceNet™/D side mounting
	EX124U-SMJ1-X220	CC-Link/U side mounting
	EX124U-SDN1-X220	DeviceNet™/U side mounting

One-touch Fittings Part No.

Port size		25A-VQ4000
Cylinder port	Metric size	ø4 One-touch fitting (Straight type)
		ø6 One-touch fitting (Straight type)
		ø8 One-touch fitting (Straight type)
		ø10 One-touch fitting (Straight type)
		ø12 One-touch fitting (Straight type)
1(P), 3(R) port	Metric size	ø10 One-touch fitting (Straight type)

Plug-in Unit

Series 25A-SQ2000



How to Order Manifold

25A – SS5Q23 – 08 FD2 – D – – –

• Series compatible with secondary batteries

Stations

01	1 station
⋮	⋮
16 (Note)	16 stations

Note) The maximum number of stations depends on the type of electrical entries.

Manifold mounting

D	DIN rail mounting style
E (Note)	Direct mounting style

Option

Nil	None
02 to 16 ⁽¹⁾	DIN rail length specified
B ⁽²⁾	Back pressure check valve
K ⁽³⁾	Special wiring specifications (Except double wiring)
N	With name plate (Side ported only)
R	External pilot specifications

Note 1) Specify DIN rail length with "D□" at the end. (Enter the number of stations inside □.) The number of stations that may be displayed is longer than the manifold number of stations.

Example: -D08

Note 2) When installing back pressure check valves only on the stations required, enter the part number and specify the mounting stations on a manifold specification sheet.

Note 3) Standard wiring specifications are for double wiring. Indicate wiring specifications for single wiring or mixed single and double wiring, or when exceeding the standard maximum number of stations. (Except L kit.)

Note 4) For specifying two or more options, enter them alphabetically. Example: -BKN

* Manifold option parts are the same as standard products.

CE compliant

Nil	—
Q	CE compliant

1(P), 3(R) port size

Nil	1(P), 3(R) port One-touch fittings for ø10
00T	1(P), 3(R) port One-touch fittings for ø3/8"

Electrical entry

Kit type	Lead wire connector location	Cable specifications	Station	Max. number of stations for special wiring specifications	Max. number ⁽²⁾ of solenoids
F kit The electric parts are made of copper. Mounting screw: Stainless steel Body: Stainless steel D-sub connector kit	D side	D-sub connector (25P) kit, without cable	1 to 12 stations	16 stations	24
		D-sub connector (25P) kit, with 1.5 m cable			
		D-sub connector (25P) kit, with 3.0 m cable			
		D-sub connector (25P) kit, with 5.0 m cable			
T kit Terminal block box kit	D side	Terminal block box kit	1 to 10 stations	16 stations	16
L kit Mounting screw: Stainless steel One-touch fitting Body: Stainless steel Lead wire kit	D side	Lead wire kit with 0.6 m cable	1 to 12 stations	—	—
	U side	Lead wire kit with 1.5 m cable			
	D side	Lead wire kit with 3.0 m cable			
	U side	Lead wire kit with 3.0 m cable			
	D side	Lead wire kit with 3.0 m cable			
	U side	Lead wire kit with 3.0 m cable			
S kit Mounting screw: Stainless steel The electric parts are made of copper. One-touch fitting Body: Stainless steel Serial transmission kit EX140 integrated-type (for output) serial transmission system ⁽³⁾	D side	DeviceNet™	1 to 8 stations	16 stations	16
		CC-Link	1 to 8 stations	16 stations	16

Note 1) The maximum number of stations should not be more than the maximum number of solenoids. (The number of solenoids are counted as: 1 for single solenoids and 2 for type 3P and 4P double solenoids.)

Note 2) Refer to Best Pneumatics No. 1 for the details of EX140 integrated-type (for output) serial transmission system. Refer to "SI unit part no." when ordering the CE-compliant SI unit.

SI unit part no.

Symbol	Protocol type	SI unit part no.	Page
SDQ	DeviceNet™	EX140-SDN1-X220	P.46
SDV	CC-Link	EX140-SMJ1-X220	

Blanking plate assembly

25A-SSQ2000-10A-3

* Specifications and dimensions for the 25A-series are the same as standard products.

How to Order Valves

25A—SQ2 **1** 3 **1** — **5** — **C6** — — —

• Series compatible with secondary batteries

Type of actuation

1	2 position single
2	2 position double(Latching) (Metal seal, Rubber seal)
	2 position double (Double solenoid) ⁽¹⁾ (Rubber seal)
3	3 position closed center
4	3 position exhaust center
5	3 position pressure center
⁽²⁾ A	4 position dual 3 port valve (N.C./N.C.)
⁽²⁾ B	4 position dual 3 port valve (N.O./N.O.)
⁽²⁾ C	4 position dual 3 port valve (N.C./N.O.)

Note 1) For double solenoid specification, the function symbol below is "D".

Note 2) Only rubber seal types are applicable.

Seal

1	Rubber seal
----------	-------------

Function

Nil	Standard type (1.0 W DC)
D	2 position double (Double solenoid specifications) (Latching type: Nil)
N	Negative common
Y ⁽¹⁾⁽²⁾	Low wattage type (0.5 W DC)
R ⁽³⁾	External pilot specifications

Note 1) Except double (latching) type.

Note 2) Please select when you expect to energize the unit for extended periods of time.

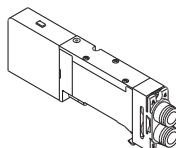
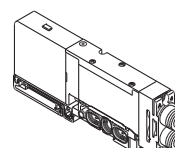
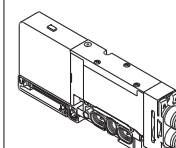
Note 3) Except dual 3 port valves.

Note 4) When two or more symbols are specified, indicate them alphabetically.

CE compliant

Nil	—
Q	CE compliant

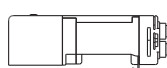
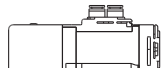
With/Without manifold block

Nil	M	MB
Without manifold block	With manifold block	With manifold block, built-in back pressure check valve
		
	* Lead wire is not included.	* Lead wire is not included.
• When ordering with manifolds • When only valves are required.	For adding stations	

Port plug mounting port

Nil	None
A	Port 4(A)
B	Port 2(B)

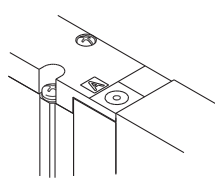
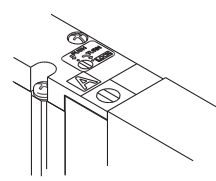
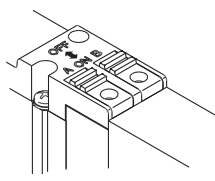
Cylinder port

C4	One-touch fittings for ø4	Side ported	
C6	One-touch fittings for ø6		
C8	One-touch fittings for ø8	Top ⁽¹⁾ ported	
L4	One-touch fittings for ø4		
L6	One-touch fittings for ø6		
L8	One-touch fittings for ø8		

Note 1) Can be changed to side ported configuration.

Note 2) Refer to the standard products for the inch-size One-touch fittings.

Manual override

Nil	B Note)	D Note)
Non-locking push type (Tool required)	Locking type (Tool required)	Slide locking type (Manual type) * Only side ported type applicable
		

Note) Except double (latching) type.

Coil voltage

5	24 VDC
6	12 VDC

Note 1) Light/Surge voltage suppressor is built-in.

Note 2) S kit: 24 VDC only

* Specifications and dimensions for the 25A-series are the same as standard products.

Plug Lead Unit

Series 25A-SQ2000



How to Order Manifold

25A – SS5Q24 – 08 FD2 – D – – –

• Series compatible with secondary batteries

• CE compliant

Nil	—
Q	CE compliant

• 1(P), 3(R) port size

Nil	1(P), 3(R) port, One-touch fittings for ø10
00T	1(P), 3(R) port, One-touch fittings for ø3/8"

• Option

Nil	None
02 to 16 ⁽¹⁾	DIN rail length specified
B	Back pressure check valve
K ⁽²⁾	Special wiring specifications (Except double wiring)
N	With name plate (Side ported only)
R	External pilot specifications

Note 1) Specify DIN rail length with "D□" at the end. (Enter the number of stations inside □.)

The number of stations that may be displayed is longer than the manifold number of stations.

Example: -D08

Note 2) When installing back pressure check valves only on the stations required, enter the part number and specify the mounting stations on a manifold specification sheet.

Note 3) Standard wiring specifications are for double wiring. Indicate wiring specifications for single wiring or mixed single and double wiring, or when exceeding the standard maximum number of stations. (Except C kit.)

Note 4) For specifying two or more options, enter them alphabetically. Example: -BKN

* Manifold option parts are the same as standard products.

Stations

01	1 station
⋮	⋮
16 Note)	16 stations

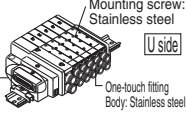
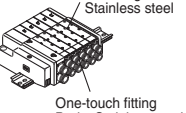
Note) The maximum number of stations depends on the type of electrical entries.

Manifold mounting

D	DIN rail mounting style
E Note)	Direct mounting style

Note) Type E is only available with a C kit.

Electrical entry

Kit type	Lead wire connector location	Cable specifications	Stations	Max. number of stations for special wiring specifications	Max. number of solenoids ⁽¹⁾
F kit  The electric parts are made of copper. D-sub connector kit	D side	FD0	1 to 12 stations	16 stations	24
		FD1			
		FD2			
		FD3			
C kit  Connector kit	C	—	1 to 16 stations	—	—

Note 1) The maximum number of stations should not be more than the maximum number of solenoids. (The number of solenoids are counted as: 1 for single solenoids and 2 for type 3P and 4P double solenoids.)

* Refer to Best Pneumatics No. 1 for manifold spare parts.

Blanking plate assembly

25A-SSQ2000-10A-4

* Specifications and dimensions for the 25A-series are the same as standard products.

How to Order Valves

25A—SQ2 1 4 1 — 5 L — C6 — — —

• Series compatible with secondary batteries

Type of actuation

1	2 position single
2	2 position double(Latching) (Metal seal, Rubber seal)
	2 position double (Double solenoid) ⁽¹⁾ (Rubber seal)
3	3 position closed center
4	3 position exhaust center
5	3 position pressure center
⁽²⁾ A	4 position dual 3 port valve (N.C./N.C.)
⁽²⁾ B	4 position dual 3 port valve (N.O./N.O.)
⁽²⁾ C	4 position dual 3 port valve (N.C./N.O.)

Note 1) For double solenoid specification, the function symbol below is "D".

Note 2) Only rubber seal types are applicable.

Seal

1	Rubber seal
---	-------------

Function

Nil	Standard type (1.0 W DC)
D	2 position double (Double solenoid specifications) (Latching type: Nil)
N	Negative COM
Y ⁽¹⁾⁽²⁾	Low wattage type (0.5 W DC)
R ⁽³⁾	External pilot specifications

Note 1) Except double (latching) type.

Note 2) Please select when you expect to energize the unit for extended periods of time.

Note 3) Except dual 3 port valves.

Note 4) When two or more symbols are specified, indicate them alphabetically.

Coil voltage

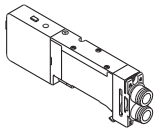
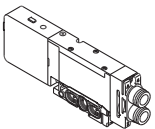
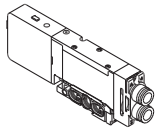
5	24 VDC
6	12 VDC

Note) Light/Surge voltage suppressor is built-in.

CE compliant

Nil	—
Q	CE compliant

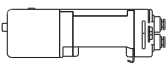
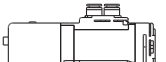
With/Without manifold block

Nil	M	MB
Without manifold block	With manifold block	With manifold block, built-in back pressure check valve
		
	* Lead wire is not included.	* Lead wire is not included.
• When ordering with manifolds • When only valves are required.	For adding stations	

Port plug mounting port

Nil	None
A	Port 4(A)
B	Port 2(B)

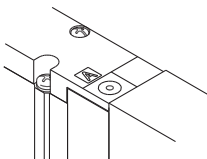
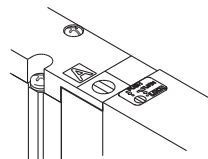
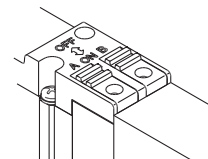
Cylinder port

C4	One-touch fitting for ø4	Side ported	
C6	One-touch fitting for ø6		
C8	One-touch fitting for ø8		
L4	One-touch fitting for ø4	⁽¹⁾ Top ported	
L6	One-touch fitting for ø6		
L8	One-touch fitting for ø8		

Note 1) Can be changed to side ported configuration.

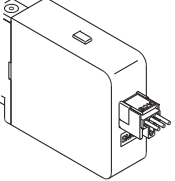
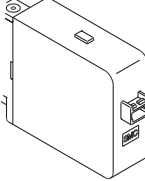
Note 2) Refer to the standard products for the inch-size One-touch fittings.

Manual override

Nil	B Note)	D Note)
Non-locking push type (Tool required)	Locking type (Tool required)	Slide locking type (Manual type) * Only side ported type applicable
		

Note) Except double (latching) type.

Electrical entry

L	LO
Plug connector type with 300 mm lead wire	Plug connector type without connector
	
	For F, P, J kit manifolds Note)

Note) Indicate "LO" when ordering centralized wiring type manifolds, F, P, and J kits, since the lead wire will be attached to the manifold side.

* Specifications and dimensions for the 25A-series are the same as standard products.

SI Unit Part No.

Description	Part no.	Note
	25A-SS5Q23	
EX140 SI unit	EX140-SMJ1-X220	CC-Link
	EX140-SDN1-X220	DeviceNet™

One-touch Fittings Part No.

Port size			25A-SQ2000
Cylinder port	Metric size	ø4 One-touch fitting (Straight type)	90-VVQ1000-51A-C4
		ø6 One-touch fitting (Straight type)	90-VVQ1000-51A-C6
		ø8 One-touch fitting (Straight type)	90-VVQ4000-51A-C8
1(P), 3(R) port	Metric size	ø10 One-touch fitting (Straight type)	90-VVQ2000-51A-C10

Directional Control Valves

Actuators

Related Products

Rotary Actuators

Air Grippers

Vacuum Equipment

Air Preparation Equipment

Clean Air Filters

Air Filters/Pressure Control Equipment

Fittings/Flow Control Equipment

Detection Switches

Fluid Control Equipment

Auto Switches

5 Port Solenoid Valve

Series 25A-VQZ1000

Single Unit



How to Order Valve

25A - VQZ 1 1 5 1 **- 5 M** **1 - 01 -**

• **Series compatible with secondary batteries**

Series

1 VQZ1000 body width 10 mm

• **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
8	3 port for mixture mounting N.C.
9	3 port for mixture mounting N.O.

• **Body type**

5 Base mounted

• **Seal type**

1 Rubber seal

• **Function**

Symbol	Specifications	DC	AC
Nil	Standard	(0.35 W) ○	○
B	High speed response type	(0.9 W) ○	—
R	External pilot type	○	○
BR	High speed response/External pilot type	(0.9 W) ○	—

• **CE compliant**

Nil	—
Q	CE compliant

Note) DC-type only.

• **Port size**

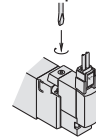
Symbol	Port size
Nil	Without sub-plate
01	Rc1/8

• **Manual override**

Nil: Non-locking push type (Tool required)



B: Locking type (Tool required)



• **Electrical entry**

G: Grommet (DC specification)	L: L-type plug connector with lead wire	LO: L-type plug connector without connector	M: M-type plug connector with lead wire	MO: M-type plug connector without connector
	With light/surge voltage suppressor	With light/surge voltage suppressor	With light/surge voltage suppressor	With light/surge voltage suppressor
				

• **Coil voltage**

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)
3	110 VAC [115 VAC] (50/60 Hz)
4	220 VAC [230 VAC] (50/60 Hz)
5	24 VDC
6	12 VDC

⚠ Caution

Use standard (DC) specification for continuous duty.

* Specifications and dimensions for the 25A-series are the same as standard products.

Base Mounted
Plug Lead Unit

5 Port Solenoid Valve

Series 25A-VQZ1000

Manifold Connector Kit



How to Order Manifold

25A-VV5QZ 1 5-08 C6 C-R-

Series compatible with secondary batteries

Series
1 VQZ1000

Manifold type
5 Base mounted

Stations
02 2 stations
20 20 stations

Port size [4(A), 2(B) port]

Symbol	Port size
C4	ø4 One-touch fitting
C6	ø6 One-touch fitting
M5	M5 thread
CM (Note)	Mixture of port sizes

CE compliant

Nil	—
Q	CE compliant

Option

Nil	None
R	External pilot type

Kit type
C Connector

Note) Specify port mixture/with port plug by the manifold specification sheet.
Port mixture and port plug are available only for One-touch fitting type.

How to Order Valve

25A-VQZ 1 1 5 1 -5 M 1-

Series compatible with secondary batteries

Series
1 VQZ1000 body width 10 mm

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
8	3 port for mixture mounting N.C.
9	3 port for mixture mounting N.O.

Body type
5 Base mounted

Seal type
1 Rubber seal

Function

Symbol	Specifications	DC	AC
Nil	Standard	(0.35 W) ○	○
B	High speed response type	(0.9 W) ○	—
R	External pilot type	○	○
BR	High speed response/ External pilot type	(0.9 W) ○	—

CE compliant

Nil	—
Q	CE compliant

Note) DC-type only.

Manual override

Nil	Non-locking push type (Tool required)
B	Locking type (Tool required)

Electrical entry

Symbol	Electrical entry	Light/surge voltage suppressor
G	Grommet (DC specification)	None
L	L-type plug connector with lead wire	Yes
LO	L-type plug connector without connector	
M	M-type plug connector with lead wire	
MO	M-type plug connector without connector	

Coil voltage

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)
3	110 VAC [115 VAC] (50/60 Hz)
4	220 VAC [230 VAC] (50/60 Hz)
5	24 VDC
6	12 VDC



Caution
Use standard (DC) specification for continuous duty.

* Specifications and dimensions for the 25A-series are the same as standard products.

Body Ported
Plug Lead Unit

5 Port Solenoid Valve

Series 25A-VQZ1000

Single Unit



How to Order Valve

25A-VQZ 1 1 2 1 - 5 M 1 - C6 - -

• Series compatible with secondary batteries

Series

1 VQZ1000 body width 10 mm

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
8	3 port for mixture mounting N.C.
9	3 port for mixture mounting N.O.

Note) 3 port for mixture mounting is only available for port size C4 or C6.

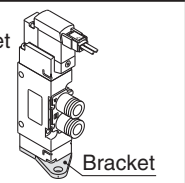
• CE compliant

Nil	—
Q	CE compliant

Note) DC-type only.

• Option

Nil: None
F: With bracket
(2 position single type only)



• Port size [4(A), 2(B) port]

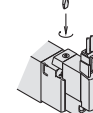
Symbol	Port size
C4	ø4 One-touch fitting
C6	ø6 One-touch fitting
M5	M5 thread

• Manual override

Nil: Non-locking push type (Tool required)



B: Locking type (Tool required)



• Electrical entry

G: Grommet (DC specification)	L: L-type plug connector with lead wire	LO: L-type plug connector without connector	M: M-type plug connector with lead wire	MO: M-type plug connector without connector
	With light/surge voltage suppressor	With light/surge voltage suppressor	With light/surge voltage suppressor	With light/surge voltage suppressor

Body type

2 Body ported

Seal type

1 Rubber seal

Function

Symbol	Specifications	DC	AC
Nil	Standard	(0.35 W) ○	○
B	High speed response type	(0.9 W) ○	—

• Coil voltage

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)
3	110 VAC [115 VAC] (50/60 Hz)
4	220 VAC [230 VAC] (50/60 Hz)
5	24 VDC
6	12 VDC



Caution
Use standard (DC) specification for continuous duty.

* Specifications and dimensions for the 25A-series are the same as standard products.

Body Ported
Plug Lead Unit

5 Port Solenoid Valve

Series 25A-VQZ1000

Manifold Connector Kit



How to Order Manifold

25A-VV5QZ 1 2-08 C-

- Series compatible with secondary batteries**
- Series**
1 VQZ1000
- Manifold type**
2 Body ported
- Stations**
02 2 stations
: :
20 20 stations
- CE compliant**
Nil —
Q CE compliant
- Kit type**
C Connector

How to Order Valve

25A-VQZ 1 1 2 1 - 5 M 1-C6-

- Series compatible with secondary batteries**
- Series**
1 VQZ1000 body width 10 mm
- Type of actuation**

1	2 position single
2	2 position double
3	3 position closed center
4	3 position exhaust center
5 (Note)	3 position pressure center
8 (Note)	3 port for mixture mounting N.C.
9 (Note)	3 port for mixture mounting N.O.

Note) 3 port for mixture mounting is only available for port size C4 or C6.
- Body type**
2 Body ported
- Seal type**
1 Rubber seal
- Function**

Symbol	Specifications	DC	AC
Nil	Standard	(0.35 W) ○	○
B	High speed response type	(0.9 W) ○	—
- CE compliant**
Nil —
Q CE compliant
Note) DC-type only.
- Port size [4(A), 2(B) port]**

Symbol	Port size
C4	ø4 One-touch fitting
C6	ø6 One-touch fitting
M5	M5 thread
- Manual override**

Nil	Non-locking push type (Tool required)
B	Locking type (Tool required)
- Electrical entry**

Symbol	Electrical entry	Light/surge voltage suppressor
G	Grommet (DC specification)	None
L	L-type plug connector with lead wire	Yes
LO	L-type plug connector without connector	
M	M-type plug connector with lead wire	
MO	M-type plug connector without connector	
- Coil voltage**

1	100 VAC (50/60 Hz)
2	200 VAC (50/60 Hz)
3	110 VAC [115 VAC] (50/60 Hz)
4	220 VAC [230 VAC] (50/60 Hz)
5	24 VDC
6	12 VDC



Caution
Use standard (DC) specification for continuous duty.

* Specifications and dimensions for the 25A-series are the same as standard products.

Directional Control Valves
Actuators
Related Products
Rotary Actuators
Air Grippers
Vacuum Equipment
Air Preparation Equipment
Clean Air Filters
Air Filters/Pressure Control Equipment
Fittings/Flow Control Equipment
Detection Switches
Fluid Control Equipment
Auto Switches

Plug-in Unit Base Mounted

Series 25A-VQ1000/2000 Double check block (Separated)

How to Order

Double check block

25A-VQ1000-FPG-C4M5-F

- Series compatible with secondary batteries

IN side port size

M5	M5 thread
C3	ø3.2 One-touch fitting
C4	ø4 One-touch fitting
C6	ø6 One-touch fitting

OUT side port size

M5	M5 thread
C3	ø3.2 One-touch fitting
C4	ø4 One-touch fitting
C6	ø6 One-touch fitting

Option

Nil	None
F	With bracket
D	DIN rail mounting (For manifold)
N	Name plate

Note) When two or more symbols are specified, indicate them alphabetically.
Example) -DN

Manifold (DIN rail mounting)

25A-VVQ1000-FPG-06

- Series compatible with secondary batteries

When ordering a double check block, order the DIN rail mounting [-D].

<Ordering example>

25A-VVQ1000-FPG-06...6-station manifold

- * 25A-VQ1000-FPG-C4M5-D; 3set
 - * 25A-VQ1000-FPG-C6M5-D; 3set
- Double check block

Stations

01	1 station
:	:
16	16 stations

Bracket Assembly

Part no.	Tightening torque
25A-VQ1000-FPG-FB	0.22 to 0.25 N·m

Double check block

25A-VQ2000-FPG-0101-F

- Series compatible with secondary batteries

IN side port size

01	Rc 1/8
02	Rc 1/4
C6	ø6 One-touch fitting
C8	ø8 One-touch fitting

OUT side port size

01	Rc 1/8
02	Rc 1/4
C6	ø6 One-touch fitting
C8	ø8 One-touch fitting

Option

Nil	None
D	DIN rail mounting (For manifold)
F	With bracket
N	Name plate

Note) When two or more symbols are specified, indicate them alphabetically.
Example) -DN

Manifold (DIN rail mounting)

25A-VVQ2000-FPG-06

- Series compatible with secondary batteries

When ordering a double check block, order the DIN rail mounting [-D].

<Ordering Example>

25A-VVQ2000-FPG-06...6-station manifold

- * 25A-VQ2000-FPG-C6C6-D; 3set
 - * 25A-VQ2000-FPG-C8C8-D; 3set
- Double check block

Stations

01	1 station
:	:
16	16 stations

Bracket Assembly

Part no.	Tightening torque
25A-VQ2000-FPG-FB	0.8 to 1.0 N·m

* Specifications and dimensions for the 25A-series are the same as standard products.

Rubber Seal

3 Port/Pilot Poppet Type

Series 25A-VP342/542/742



How to Order



Note) Only DIN and conduit terminal types are available for AC mode.
Refer to the electrical entry for details.

Body ported **25A-VP 3 4 2** **5 D** **1-01** **A**

Series compatible with secondary batteries

Series

3	VP300
5	VP500
7	VP700

Pilot type

Nil	Internal pilot
R	External pilot

Pressure specification

Nil	Standard (0.7 MPa)
K	High-pressure type (1.0 MPa)

Coil specification

Nil	Standard
T	With power saving circuit (DC only)

Note) Be sure to select the power saving circuit type when it is continuously energized for a long time.

* T type is only available for DC mode. When T is selected, only Z type of light/surge voltage suppressor is available.

Rated voltage

DC		AC (50/60 Hz)	
5	24 VDC	1	100 VAC
6	12 VDC	2	200 VAC
		3	110 VAC [115 VAC]
		4	220 VAC [230 VAC]
		7	240 VAC
		B	24 VAC

Electrical entry

	DIN terminal	DIN (EN175301-803) terminal	Conduit terminal
	[IP65 compatible]	[IP65 compatible]	[IP65 compatible]
	D: With connector	Y: With connector	T: Conduit terminal
CE compliant	DC	CE	CE
	AC	CE	CE

Thread type

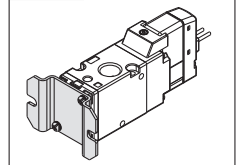
Nil	Rc
F	G
N	NPT
T	NPTF

Type of actuation

A	N.C. (Normally closed)
B	N.O. (Normally open)

Bracket

Nil	Without bracket
F	With bracket



Port size

Symbol	Port size	VP300	VP500	VP700
01	1/8	○	—	—
02	1/4	○	○	—
03	3/8	—	○	○
04	1/2	—	—	○

Manual override

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

Light/surge voltage suppressor

		DC	AC
Nil	Without light/surge voltage suppressor	○	○
S	With surge voltage suppressor	○	(Note)
Z	With light/surge voltage suppressor	○	○
R	With surge voltage suppressor (Non-polar)	○	—
U	With light/surge voltage suppressor (Non-polar)	○	—

Note) There is no S option for AC mode, since a rectifier prevents surge voltage generation.

* Specifications and dimensions for the 25A-series are the same as standard products.

Rubber Seal

3 Port/Pilot Poppet Type

Series 25A-VP344/544/744

How to Order



Note) Only DIN and conduit terminal types are available for AC mode.
Refer to the electrical entry for details.

Base mounted **25A-VP** **3** **4** **4** **□** **□** **□** **-** **5** **D** **□** **□** **1-** **01** **□** **A**

Series compatible with secondary batteries

Series

3	VP300
5	VP500
7	VP700

Pilot type

Nil	Internal pilot
R	External pilot

Pressure specification

Nil	Standard (0.7 MPa)
K	High-pressure type (1.0 MPa)

Coil specification

Nil	Standard
T	With power saving circuit (DC only)

Note) Be sure to select the power saving circuit type when it is continuously energized for a long time.

* T type is only available for DC mode.
When T is selected, only Z type of light/surge voltage suppressor is available.

Rated voltage

DC		AC (50/60 Hz)	
5	24 VDC	1	100 VAC
6	12 VDC	2	200 VAC
		3	110 VAC [115 VAC]
		4	220 VAC [230 VAC]
		7	240 VAC
		B	24 VAC

Electrical entry

	DIN terminal	DIN (EN175301-803) terminal	Conduit terminal
	[IP65 compatible]	[IP65 compatible]	[IP65 compatible]
	D: With connector	Y: With connector	T: Conduit terminal
CE compliant	DC	DC	DC
	AC	AC	AC

Thread type

Nil	Rc
F	G
N	NPT
T	NPTF

Type of actuation

A	N.C. (Normally closed)
B	N.O. (Normally open)

Port size (Sub-plate)

Symbol	Port size	VP300	VP500	VP700
Nil	Without sub-plate*			
01	1/8	○	—	—
02	1/4	○	○	—
03	3/8	—	○	○
04	1/2	—	—	○

* With a gasket and two mounting bolts.

Manual override

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

Light/surge voltage suppressor

		DC	AC
Nil	Without light/surge voltage suppressor	○	○
S	With surge voltage suppressor	○	Note)
Z	With light/surge voltage suppressor	○	○
R	With surge voltage suppressor (Non-polar)	○	—
U	With light/surge voltage suppressor (Non-polar)	○	—

Note) There is no S option for AC mode, since a rectifier prevents surge voltage generation.

* Specifications and dimensions for the 25A-series are the same as standard products.

3 Port Solenoid Valve

Direct Operated Poppet Type

Series 25A-VT317

Rubber Seal



Note) CE compliant: For DIN terminal type.

How to Order

25A-V T 317 - 1 G - 02

Body type

T	Body ported
O	Manifold

Series compatible with secondary batteries

Valve option

Nil	Standard type
E *	Continuous duty type
V *	For vacuum

* Semi-standard

Rated voltage

1	100 VAC, 50/60 Hz
2	200 VAC, 50/60 Hz
3 *	110 VAC, 50/60 Hz
4 *	220 VAC, 50/60 Hz
5	24 VDC
6 *	12 VDC
7 *	240 VAC, 50/60 Hz
9 *	Other

Note) Applicable only for DIN terminal type.
* Semi-standard

Thread type

Nil	Rc
F	G
N	NPT
T	NPTF

CE compliant

Nil	—
Q	CE compliant*

Note) Applicable only for DIN terminal type.

Port size

Nil	Without port (For manifold)
02	1/4 (8A)

Electrical entry

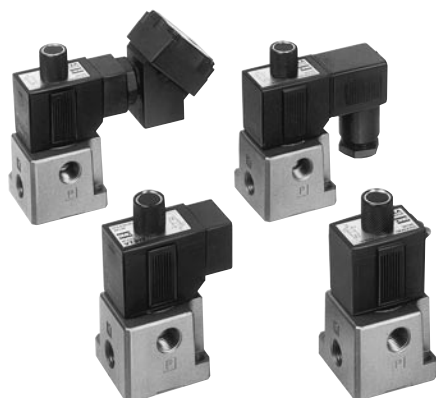
		CE compliant
G	Grommet, 300 mm lead wire	—
H	Grommet, 600 mm lead wire	—
C	Conduit	—
T	Conduit terminal	—
D	DIN terminal	●

Light/Surge voltage suppressor

	G	H	C	T	D	D Only
Nil	—	—	—	—	—	●
S	● (Note)	● (Note)	● (Note)	●	●	●
Z	—	—	—	●	●	●

S: With surge voltage suppressor
Note) Refer to the figure below.
Z: With light/surge voltage suppressor
* As to the case of rated voltage [Others (9)], please contact SMC.

Surge voltage suppressor mounting part (For "G")



Manifold

Model	Applicable manifold type	Accessory
VO317(-Q)	Common or individual exhaust	O-ring (P10, 4 pcs.) Note) Bolts (M4 x 0.7 x 20, 2 pcs.)

Note) It is not applied to "Continuous duty type". Refer to the accessories in Best Pneumatics No. 1.

* Specifications and dimensions for the 25A-series are the same as standard products.

Directional Control Valves

Actuators

Related Products

Rotary Actuators

Air Grippers

Vacuum Equipment

Air Preparation Equipment

Clean Air Filters

Air Filters/Pressure Control Equipment

Fittings/Flow Control Equipment

Detection Switches

Fluid Control Equipment

Auto Switches

3 Port Solenoid Valve Direct Operated Poppet Type Series 25A-VG342 Rubber Seal



Note) CE compliant: For DIN terminal only

Low power consumption

4.8 W DC (Standard type)
2 W DC (Energy-saving type)

No lubrication required

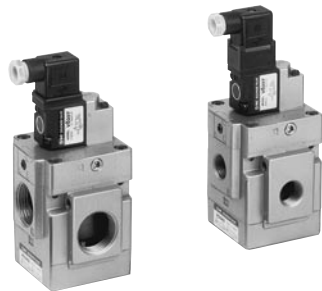
Possible to use in vacuum or under low pressures

External pilot
Vacuum: Up to -101.2 kPa
Low pressure: 0 to 0.2 MPa

Changeable actuation:

N.C., N.O., or external pilot

Can be used as a selector or divider valve (External pilot)



How to Order

25A-VG342 - **5** **D** - **04** **A** - -

- Series compatible with secondary batteries
- Valve option

Nil	Internal pilot
R	External pilot
- Rated voltage

5	24 VDC
6*	12 VDC

Note) Applicable only for DIN terminal type
* Semi-standard
- Electrical entry

D	DIN terminal	CE compliant
---	--------------	--------------
- Light/Surge voltage suppressor

Nil	None
Z	With light/surge voltage suppressor (Except grommet type)
- CE compliant

Nil	—
Q	CE compliant Note)

Note) Applicable only for DIN terminal type
- Pilot valve option

Nil	Standard type
Y*	Energy-saving type (DC only)
E*	Continuous duty type

* Option
- Passage symbol

Nil	External pilot
A	N.C. (Normally closed)
B	N.O. (Normally open)
- Thread type

Nil	Rc
-----	----
- Port size

04	1/2
06	3/4
10	1

* Specifications and dimensions for the 25A-series are the same as standard products.

Finger Valve

Series 25A-VHK

RoHS

How to Order

Series compatible with secondary batteries

25A-VHK

2

02S

02S

Bracket

Nil	None
L	With L-bracket

* Bracket and screws are attached.

Knob color

Nil (Standard)	2 port valve	Gray
	3 port valve	Blue
R (Option)	2 port valve	Red
	3 port valve	Red

Valve model

2	2 port valve
3	3 port valve

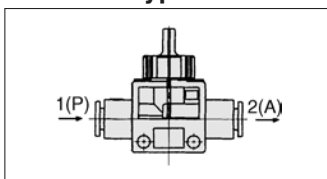
1(P) port size

04F	ø4
06F	ø6
08F	ø8
01S	R 1/8
02S	R 1/4
03S	R 3/8

2(A) port size

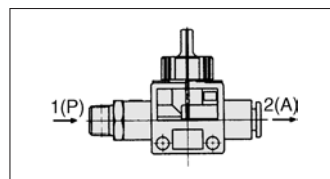
04F	ø4
06F	ø6
08F	ø8
01S	R 1/8
02S	R 1/4
03S	R 3/8

Standard Type



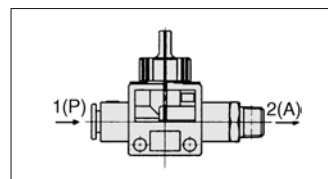
1(P): One-touch fitting
2(A): One-touch fitting

		2(A) Applicable tubing O.D. (mm)		
Applicable tubing O.D. (mm)	1(P)	ø4	ø6	ø8
	ø4	●		
	ø6	●	●	
	ø8		●	●



1(P): Male thread
2(A): One-touch fitting

		2(A) Applicable tubing O.D. (mm)		
Port size R	1(P)	ø4	ø6	ø8
	M5	●	●	
	1/8	●	●	●
	1/4		●	●
	3/8		●	●



1(P): One-touch fitting
2(A): Male thread

		2(A) Port size R			
Applicable tubing O.D. (mm)	1(P)	M5	1/8	1/4	3/8
	ø4	●	●		
	ø6	●	●	●	●
	ø8		●	●	●

* Specifications and dimensions for the 25A-series are the same as standard products.