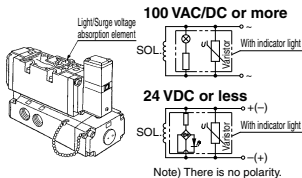


Base Mounted

VFS3000/4000/5000/6000 Series

Light/Surge Voltage Suppressor

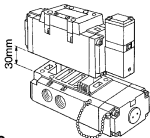
In the case of surge voltage suppressor, surge voltage absorption element is attached to terminal block on body area.



How to Exchange

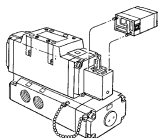
Solenoid valve

- Loosen set screw and take solenoid valve out vertically, otherwise it may cause damage to the solenoid valve. Never remove a valve at an angle.
- When mounting solenoid valve onto the base, plug pin assembly (body side) into receptacle assembly (body side) vertically.

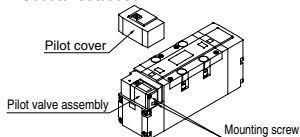


Pilot valve

- When changing the rated voltage, electrical entry, etc., pilot valve assembly can be exchanged easily since this is plug-in type. Then, when changing the rated voltage with indicator light/surge voltage suppressor, change of indicator light/surge voltage suppressor substrate is also needed. So, order together with pilot valve assembly.



VFS3000/4000/5000



VFS6000

Light/Surge Voltage Suppressor Substrate Part No.

| VFS3000 | VFS3000-10A-□#1 |
|---------|----------------------------|
| VFS4000 | 100V or more VF4000-9A-□#1 |
| | 24V or less VF4000-9B-□#1 |
| VFS5000 | 100V or more AXT627-7A-□#1 |
| | 24V or less AXT627-7B-□#1 |
| VFS6000 | 100V or more VF4000-9A-□#1 |
| | 24V or less VF4000-9B-□#1 |

□: Coil rated voltage Symbol: Refer to below.
 1: 100 to 120 V 6: 12 V
 2: 200 to 220 V 7: 240 V
 5: 24 V

- When mounting pilot valve assemblies and solenoid valve bodies, tighten equally with the tightening torque shown in the right to prevent gaskets from slipping.

Pilot Valve Assembly SF4-□-□

| Holding screw | Proper tightening torque (N·m) |
|---------------|--------------------------------|
| M3 | 0.45 to 0.6 |

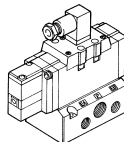
Solenoid Valve Body

| Holding screw | Proper tightening torque (N·m) |
|---------------|--------------------------------|
| M3 | 0.8 to 1.2 |
| M4 | 1.4 to 2.5 |
| M5 | 2.8 to 5 |

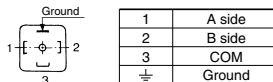
Lead Wire Connection

DIN terminal block type

- Male pin terminal of DIN terminal block board of solenoid valve and wires as shown below. Connect to corresponding terminal block on the connector.



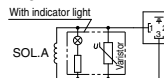
DIN terminal (Wiring)



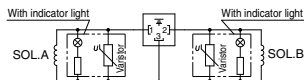
- There is no polarity.

100 VAC/DC or more

Single

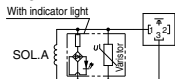


Double

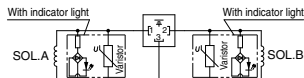


24 VDC or less

Single



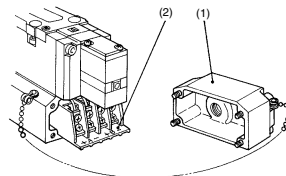
Double



- Heavy-duty cord
Applicable cable O. D.: ø8 to ø10
- Applicable terminal
Applicable terminal on block board: 3 (kinds)
1.25Y-3L, 1.25-3.5S, 1.25-4M
- Connector/Clamping torque
Set screw 0.6 N·m
Terminal screw 0.6 N·m
- Incorrect common (DIN terminal no. 3) causes damage on power side circuit.

Plug-in type (With terminal)

- If the junction cover (1) of the sub-plate is removed, you can see the plug-in type terminal block (2) mounted inside the sub-plate.



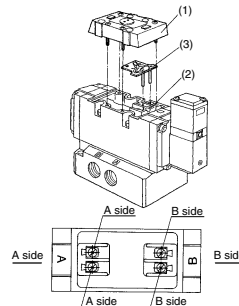
- The following markings are on the terminal block. Connect with corresponding power side.

| | Solenoid A side | Solenoid B side |
|------------------------|-----------------|-----------------|
| Terminal block marking | A + - | B + - |

- Applicable terminal:
VFS3000: 1.25-3, 1.25-3S, 1.25Y-3N, 1.25Y-3S
VFS4000: 1.25-3.5M, 1.25Y-3L, 1.25Y-3M
VFS5000: 1.25-4, 1.25-4M
VFS6000: 1.25-3.5M, 1.25Y-3L, 1.25-3M
- There is no polarity.
- Tightening torque for terminal: 0.6 N·m

Non plug-in type (With terminal)

- Remove cover (1), over terminal block (2) attached to the inside of body. Connect with corresponding power side. For a type with indicator light and surge voltage suppressor, pull out the light and surge voltage suppressor substrate (3) in a straight direction and then connect them.



- Applicable terminal:
VFS3000: 1.25-3, 1.25-3S, 1.25Y-3N, 1.25Y-3S
VFS4000/5000/6000: 1.25-3.5M, 1.25Y-3L, 1.25Y-3M

- There is no polarity.
- Tightening torque for terminal: 0.6 N·m