SV600 series

5-PORT / 2-POSITION

SV610
(Port size: PT3/4)

SV620
(Port size: PT3/4)

5-PORT / 3-POSITION

SV630
(Closed center)

SV640
(Exhaust center)

SV650
(Pressure center)

- Compact size and large flow capacity
- Effective area 90 mm² (Cv5.0)
- Low power consumption - 1.8W (DC)
- Various electrical entries

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SV610</th>
<th>SV620</th>
<th>SV630</th>
<th>SV640</th>
<th>SV650</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluid</td>
<td>Air or Inert Gases</td>
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<tr>
<td>Pressure range (kgf/cm²)</td>
<td>0.15–0.9 (1.5–9)</td>
<td>0.1–0.9 (1–9)</td>
<td>0.2–0.9 (2–9.2)</td>
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<tr>
<td>Effective area (mm² (Cu))</td>
<td>90 (5.0)</td>
<td></td>
<td>70 (3.8)</td>
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<tr>
<td>Ambient and media temp.</td>
<td>Max 50°C</td>
<td></td>
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<tr>
<td>Response time (Sec/10⁷cm²)</td>
<td>40 ms or less</td>
<td></td>
<td>60 ms or less</td>
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<tr>
<td>Max. Cycle/Second</td>
<td>5 C/S</td>
<td></td>
<td>3 C/S</td>
<td></td>
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<tr>
<td>Lubrication</td>
<td>Not required</td>
<td></td>
<td></td>
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<tr>
<td>Manual override operation</td>
<td>Non-locking push type</td>
<td></td>
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<tr>
<td>Shock/Vibration resistance</td>
<td>300 / 50 (6.3–2000 Hz)</td>
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<tr>
<td>Protective structure</td>
<td>Dust-proof</td>
<td></td>
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<tr>
<td>Coil rated voltage</td>
<td>AC 50 / 60 Hz 110V, 220V DC 12V, 24V</td>
<td></td>
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<tr>
<td>Allowable voltage tolerances</td>
<td>-15% to +10% of rated voltage</td>
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<tr>
<td>Coil insulation</td>
<td>Class B or equivalent (130°C)</td>
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<tr>
<td>Apparent power</td>
<td></td>
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<tr>
<td>AC</td>
<td>Storage</td>
<td>5.5 VA (50 Hz, 5.5 VA (60 Hz)</td>
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<tr>
<td>DC</td>
<td>Heating</td>
<td>4.5 VA (50 Hz, 3.8 VA (60 Hz)</td>
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<tr>
<td>Power consumption</td>
<td>DC</td>
<td>1.8W</td>
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<tr>
<td>Weight (kg)</td>
<td>1.17</td>
<td>1.2</td>
<td>1.22</td>
<td>1.22</td>
<td>1.22</td>
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<tr>
<td>Surge suppressor</td>
<td>AC, DC Varistor</td>
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<tr>
<td>Indicator lamp</td>
<td>LED</td>
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</table>

### HOW TO ORDER

SV 610 - 1 L

- PORT SIZE RC(PT) 3/4
- CONFIGURATION
  - 1 Single solenoid
  - 2 Double solenoid
  - 3 Closed center
  - 4 Exhaust center
  - 5 Pressure center
- COIL RATED VOLTAGE
  - 1 AC 110V
  - 2 AC 220V
  - 3 DC 12V
  - 4 DC 24V
- ELECTRICAL ENTRY
  - L Lead wire
  - D DIN terminal
  - DL DIN terminal with lamp
  - DS DIN terminal with lamp & surge suppressor
CONSTRUCTION / PARTS

2-position Single Solenoid

2-position Double Solenoid

No. | Description | Material
--- | --- | ---
1 | BODY | ADC-12
2 | ADAPTER | ADC-12
3 | END COVER | ADC-12
4 | PILOT BODY | POLYACETAL
5 | PILOT COVER | POLYACETAL
6 | PISTON | POLYACETAL
7 | SPOOL | Al-NBR
8 | COLASS Y | ADC-12
9 | BASE | ADC-12

DIMENSIONS / 2-POSITION SINGLE

SV610-□L
Lead Wire (L)

SV610-□D/DL/DS
DIN Terminal (D, DL, DS)