3 Port Solenoid Valve
Rubber Seal
Series SY100

Low power consumption: 0.5W (Standard, Without light)
(Current draw: 21mA at 24V DC)

*Large flow capacity style: 0.75W (Current draw: 31mA at 24V DC)

Body width: 10mm
7.85 N/min (Standard style)
11.78 N/min (Large flow capacity style)

Exceedingly long life
100 million cycles (By SMC life test data)

Vacuum Applications Possible
Can be used up to -100kPa

Copper free
No copper used for sections in contact with fluids.

Bright colour tone and "state of the art" design
A bright grey concept has been adopted for this product
to complement the surrounding operational environment.

SY100/ Application example
(Pneumatic symbols shown are typical examples.)

<table>
<thead>
<tr>
<th>1</th>
<th>Valve for blow off</th>
<th>2</th>
<th>Valve for vacuum</th>
<th>3</th>
<th>Operation for single acting cylinder</th>
<th>4</th>
<th>Operation for air operated style fluid control valve</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Diagram 1" /></td>
<td><img src="image2" alt="Diagram 2" /></td>
<td><img src="image3" alt="Diagram 3" /></td>
<td><img src="image4" alt="Diagram 4" /></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Characteristics values indicated in this catalog are not guaranteed values but typical ones.
**Warning**

**Operation of Manual Override**

Make sure that there is no danger, since manual override operation can make any connected equipment operate.

- **Non-locking push style [Standard style]**
  - Press in the direction of the arrow.

- **Locking slotted style [B]**
  - Turn in the direction of arrow.

- **Push-locking slotted style [D]**

- **Push-locking lever style [E]**

**Caution**

- **Non-locking push style**
  - Pressing makes the valve operate. The valve can be locked in the manual override position by turning it to the direction that the arrow shows while keeping it pressed. If it is not turned, it can be used as a non-locking push style.

**Caution**

- **Operation of Manual Override**
  - Gently operate locking manual override styles B, D using small screwdriver. [Torque: 0.1Nm or less]

**Precautions**

Be sure to read before handling. Refer to p.0-33 to 0-36 for Safety Instructions and common precautions.

**Crimping connection of lead wire and socket**

Strip 3.2 to 3.7mm of the lead wire ends, insert each stripped wire into a socket and crimp contact it using special crimping tool. Be careful that the outer insulation of the lead wires does not interfere with the socket contact part. Use exclusive crimping tool for crimping. (Contact SMC for special crimping tool.)

**Connection/Disconnection of socket with lead wire**

- **Connection**
  - Insert lead wire and crimped socket into square holes (indicated as A, B, COM) of connector. Press the socket in fully until the hook of the socket locks into the groove of the connector housing. Confirm the locked position by lightly pulling on the lead wire.

- **Disconnection**
  - To remove the socket from the connector, pull out lead wire while depressing the hook of the socket with a fine screw driver (≅1mm). If the socket is to be re-used, reposition the hook again.

**How to Use Plug Connector**

1. **Connection/Disconnection of connector**
   - **Connection**: Push the connector straight onto the pins of the solenoid, making sure the lip of the lever securely “locks” into the groove of the solenoid cover.
   - **Disconnection**: Press the lever against the connector housing and pull it outward from the solenoid.

2. **Plug Connector Lead Wire Length**

   Standard length is 300mm, but the following lengths are also available.

   **How to Order Connector Assembly**

   **For DC: SY100 – 30 – 4A**

   Without lead wire: **SY100 – 30 – A**
   (Only with a connector and two sockets.)

   **How to Order**

   To order a valve with lead wire length of other than 300mm, indicate part numbers of the valve without connector and the required connector ass’ty separately. Example: 2000mm lead wire length

   **For DC**
   SY114-5LO
   SY100-30-4A-20

   **Lead wire length**

   - 6: 600mm
   - 10: 1000mm
   - 15: 1500mm
   - 20: 2000mm
   - 25: 2500mm
   - 30: 3000mm
   - 50: 5000mm
Surge Voltage Suppressor

<DC>
Grommet, L and M plug connector

- Standard style (With polarity)
  With surge voltage suppressor
  - Diode to prevent reverse connection
  - Red (+)
  - Black (–)

- Non-polar style
  With surge voltage suppressor ("□R")
  - Zener diode
  - Red (+)
  - Black (–)

- Indicator light and surge voltage suppressor ("□Z")
  - Diode to prevent reverse connection
  - Red (+)
  - Black (–)

- Indicator light and surge voltage suppressor ("□U")
  - Zener diode
  - (+) (–)

- Connector Assembly with Protective Cover

- Connector assembly with protective cover enhances dust protection.
- Effective in preventing possible short circuit problems due to contaminants in contact with connector section.
- Cover material is chloroprene rubber which has excellent weatherability and electric insulation properties. However, be careful not to allow contact with cutting oil.
- Round cord provides neat appearance.

How to Order

<table>
<thead>
<tr>
<th>SY100–68–A</th>
<th>Lead wire (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>300mm</td>
</tr>
<tr>
<td></td>
<td>600mm</td>
</tr>
<tr>
<td></td>
<td>1000mm</td>
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<td></td>
<td>1500mm</td>
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<td></td>
<td>2000mm</td>
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<tr>
<td></td>
<td>2500mm</td>
</tr>
<tr>
<td></td>
<td>3000mm</td>
</tr>
<tr>
<td></td>
<td>5000mm</td>
</tr>
</tbody>
</table>

Connector Assembly with Cover/Dimension

- Please connect correctly the lead wires to (positive) and (negative) indications on the connector.
- For non-polar style, the lead wires can be connected to either one.
- For DC voltages other than 12, 24V DC, incorrect wiring will cause damage to the surge voltage suppressor circuit. (Wrong polarity will cause trouble.)
- Solenoids, whose lead wires have been pre-wired: positive side red and negative side black.

Caution

- Since there is some residual voltage according to the protection device and rated voltage in case of voltage surge suppressor by zener diode, pay attention to the surge protection on the controller side. (Diode residual voltage: 1V)

How to Order

- Indicate part number of connector assembly with cover in addition to the solenoid valve part number without connector of the plug connector.
- Example 1: Lead wire length: 2000mm
  - SY114-SLOZ-M3-Q
  - SY100-68-A-20
- Example 2: Lead wire length: 300mm (Standard)
  - SY114-5LPZ-M3-Q

*No part numbers of connector assembly with cover are needed to be indicated in this case.
### Specifications

- **Fluid**
  - Ambient and fluid temperature (°C): Max. 50°C
- **Response time (ms)**: 10ms or less
- **Max. operating frequency (Hz)**: 20
- **Manual override**: Non-locking push, Locking slotted, Push-locking slotted, Push-locking lever
- **Lubrication**: Not required
- **Mounting position**: Free
- **Impact/Vibration resistance (m/s^2)**: 150/30
- **Enclosure**: Dust-proof

**Note 1)** According to dynamic performance test JIS B8374-1981 (Coil temperature 20°C, at rated voltage, without surge suppressor.)

**Note 2)** Impact resistance: No malfunction from tests using drop impact tester, to axis and right angle direction of main valve and armature, each one time when energized and de-energized.

Vibration resistance: No malfunction from tests with 8.3~2000Hz 1 sweep, to axis and right angle direction of main valve and armature, each one time when energized and de-energized. (Value in the initial stage.)

### Solenoid Specifications

<table>
<thead>
<tr>
<th>Series</th>
<th>SY11</th>
<th>SY12</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SY11</td>
<td>SY12</td>
</tr>
<tr>
<td></td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Electrical entry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coil rated voltage (V)</td>
<td>DC</td>
<td>DC</td>
</tr>
<tr>
<td>Allowable voltage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power consumption (W)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surge voltage suppressor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indicator light</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(1) At rated voltage
How to Order

**Standard**

(7.85 Nl/min)

- **Actuation**
  - 1: Normally closed
  - 2: Normally open

- **Rated Voltage**
  - 5: 24V DC
  - 6: 12V DC
  - V: 6V DC
  - S: 5V DC
  - R: 3V DC
  - 9: 50V or less

  Contact SMC for other voltages (9)

- **Piping port**
  - : Without sub-plate
  - M3: With sub-plate

- **Piping**
  - For manifold
  - P: For body ported style to P, R, A port

- **Bracket**
  - : Without bracket
  - F: With bracket

  *P* piping specification only.

- **Manual override**
  - : Non-locking push style
  - D: Push-locking slotted style

  B: Locking slotted style
  E: Push-locking lever style

- **Light and surge voltage suppressor**
  - Without light and surge voltage suppressor
  - With surge voltage suppressor
  - With light and surge voltage suppressor
  - With light and surge voltage suppressor (Non-polar style)

- **Electrical entry**

  - 24V, 12V, 6V, 5V, 3V DC

<table>
<thead>
<tr>
<th>Grommet</th>
<th>Plug connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>G: 300mm lead wire</td>
<td>L: 300mm lead wire</td>
</tr>
<tr>
<td>H: 600mm lead wire</td>
<td>LN: Without lead wire</td>
</tr>
<tr>
<td>LO: Without connector</td>
<td>MO: Without connector</td>
</tr>
</tbody>
</table>

  MN: Without lead wire

  +LN or MN option includes 2 sockets.

  - Protective class class III (Mark: )

  SY114/SY124, SY114A/SY124A only.
How to Order

**Series SY100**

**Large flow capacity**  
(11.78 Nl/min)

**Actuation**  
1. Normally closed  
2. Normally open

**Actuation**  
- For manifold  
- For body ported style to P, R, A port

**Piping**  
- For manifold  
- For body ported style

**Bracket**  
- Without bracket  
- With bracket

**Rated voltage**  
- 24V DC  
- 12V DC  
- 6V DC  
- 5V DC  
- 3V DC  
- 50V or less

**Piping port**  
- Without sub-plate  
- With sub-plate

**Electrical entry**  
- Non-locking push style  
- Push-locking slotted style

**Manual override**  
- Non-locking push style  
- Push-locking slotted style

- Push-locking lever style

**Light and surge voltage suppressor**  
- Without light and surge voltage suppressor  
- With surge voltage suppressor  
- With light and surge voltage suppressor  
- With light and surge voltage suppressor (Non-polar style)

**Piping port**  
- Without sub-plate  
- With sub-plate

**Large flow capacity**  
- Body ported  
- Base mounted

**Contact SMC for other voltages**

- LN or MN option includes 2 sockets.

**Protective class**  
- Class III (Mark: )

**Bracket**  
- Without bracket  
- With bracket

**Piping port**  
- Without sub-plate  
- With sub-plate

**Electrical entry**  
- Non-locking push style  
- Push-locking slotted style

- Push-locking lever style

**Contact SMC for other voltages**

- LN or MN option includes 2 sockets.

**Protective class**  
- Class III (Mark: )
### Construction

**SY114, SY114A**

![Diagram of SY114, SY114A]

#### Component Parts

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Material</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>①</td>
<td>Body</td>
<td>Resin</td>
<td>Gray</td>
</tr>
<tr>
<td>②</td>
<td>Cover</td>
<td>Resin</td>
<td>Gray</td>
</tr>
<tr>
<td>③</td>
<td>Push rod</td>
<td>Resin</td>
<td>—</td>
</tr>
<tr>
<td>④</td>
<td>Armature ass’y</td>
<td>NBR/Stainless steel</td>
<td>—</td>
</tr>
<tr>
<td>⑤</td>
<td>Core</td>
<td>Stainless steel</td>
<td>—</td>
</tr>
<tr>
<td>⑥</td>
<td>Exhaust poppet</td>
<td>NBR</td>
<td>—</td>
</tr>
<tr>
<td>⑦</td>
<td>Return spring</td>
<td>Stainless steel</td>
<td>—</td>
</tr>
<tr>
<td>⑧</td>
<td>Poppet spring</td>
<td>Stainless steel</td>
<td>—</td>
</tr>
<tr>
<td>⑨</td>
<td>Coil ass’y</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

#### Replacement Parts

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Part No.</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>⑨</td>
<td>Sub-plate</td>
<td>SY100-74-1-Q</td>
<td>Zinc die cast</td>
</tr>
<tr>
<td>⑪</td>
<td>Gasket</td>
<td>VJ100-6-1-Q</td>
<td>NBR</td>
</tr>
</tbody>
</table>

### How to Order Connector Assembly

**For DC:** **SY100 - 30 - 4A**

**Without lead wire:** **SY100 - 30 - A**  
(Only with a connector and two sockets.)

**Lead wire**

- 300mm
- 600mm
- 1000mm
- 1500mm
- 2000mm
- 2500mm
- 3000mm
- 5000mm
Series SY100

Body Ported

Grommet (G), (H): SY1 1/2 (A) □ G □ □-PM3 (-F) -Q

L plug connector (L): SY1 1/2 (A)-□L□□-PM3 (F)-Q

M plug connector (M): SY1 1/2 (A)-□M□□-PM3 (-F)-Q

* Other dimensions are same as grommet style.
Base Mounted (With Sub-plate)

Grommet (G), (H): SY1\(\frac{1}{2}\)4 (A)-[\(\vartriangle H\vartriangle M3\)-Q

L plug connector (L): SY1\(\frac{1}{2}\)4 (A)-[\(\vartriangle L\vartriangle M3\)-Q

M plug connector (M): SY1\(\frac{1}{2}\)4 (A)-[\(\vartriangle M\vartriangle M3\)-Q

- Other dimensions are same as grommet style.
## Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>30 (4)</th>
<th>31</th>
<th>S41</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manifold style</td>
<td>Single base style, B mount</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P (SUP)/R (EXH) style</td>
<td>Common SUP/Common EXH</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Valve stations</th>
<th>2 to 10 stations</th>
<th>2 to 20 stations</th>
</tr>
</thead>
<tbody>
<tr>
<td>A porting</td>
<td>Location</td>
<td>Valve</td>
</tr>
<tr>
<td></td>
<td>Direction</td>
<td></td>
</tr>
<tr>
<td>P, R port</td>
<td>M5 X 0.8</td>
<td></td>
</tr>
<tr>
<td>A port</td>
<td>M3 X 0.5</td>
<td>M3 X 0.5, M5 X 0.8</td>
</tr>
<tr>
<td>SY1□3</td>
<td>0.14 (7.85)</td>
<td></td>
</tr>
<tr>
<td>SY1□3A</td>
<td>0.21 (11.78)</td>
<td></td>
</tr>
<tr>
<td>SY1□4</td>
<td>—</td>
<td>0.13 (6.87)</td>
</tr>
<tr>
<td>SY1□4A</td>
<td>—</td>
<td>0.2 (10.8)</td>
</tr>
</tbody>
</table>

Note 1) When mounted on manifold base  
Note 2) SY114 (A) and SY124 (A) can not be mounted on the same manifold.  
Note 3) Supply to R port and exhaust from P port for SY124 (A).  
Note 4) 30 Type is applicable only for SY113 and SY113A. Piping to exhaust port is not possible.

## How to Order Manifold Base (Ordering Example)

**Example**

List part numbers of the installed valve and option in required station location separately under manifold part number.

- SS3Y1-S41-05-M5-Q........ 1set (S41 type 5-station manifold part number)  
- SY100-77-1A-Q............. 1set (Blank plate assembly part number)  
- SY114-5GZ-Q................. 4set (Valve)

Protective class  
class III (Mark: □□□)

![Manifold base (5 stations)](image)  
![Blank plate assembly](image)  
![Valve (N.C.)](image)  
![Protective class](image)
### Common SUP/Common EXH

#### 30 Type

**How to Order**

**SS3Y1-30-05-F-Q**

**Applicable solenoid valve**
- SY113-xxxx-M3-Q
- SY113A-xxxx-M3-Q

**Applicable blank plate assembly**
- SY100-77-1A-Q

**Stations**
- 02 2 stations
- 10 10 stations

**Note 1)** Piping to exhaust port not possible.

#### 31 Type

**How to Order**

**SS3Y1-31-05-Q**

**Applicable solenoid valve**
- SY113-xxxx-M3-Q
- SY113A-xxxx-M3-Q
- SY123-xxxx-M3-Q
- SY123A-xxxx-M3-Q

**Applicable blank plate assembly**
- SY100-77-1A-Q

**Stations**
- 02 2 stations
- 20 20 stations

**Note 1)** SY113 (A) and SY123 (A) cannot be mounted on the same manifold.

#### S41 Type

**How to Order**

**SS3Y1-S41-05-M3-Q**

**Applicable solenoid valve**
- SY114-xxxx-Q
- SY114A-xxxx-Q
- SY124-xxxx-Q
- SY124A-xxxx-Q

**Applicable blank plate assembly**
- SY100-77-1A-Q

**Stations**
- 02 2 stations
- 20 20 stations

**A port size**
- M3 M3 X 0.5
- M5 M5 X 0.8

**Note 1)** SY114 (A) and SY124 (A) cannot be mounted on the same manifold.

⚠️ **Protective class III (Mark: )**

### Combination with Solenoid Valve and Gasket Manifold Base

**Body ported**

**Base mounted**

**Cross round head screw**
- SY100-33-1 (M1.7 X 13, Matt nickel plated)
- SY100-33-2 (M1.7 X 7, Matt nickel plated)

**Gasket**
- VJ100-6-10
- VJ100-6-8

**Applicable base**
- Sub-plate (For body ported style)
  - SS3Y1-30 type
  - SS3Y1-31 type

**Manifold base**
- SS3Y1-S41 type manifold base

### Blank Plate Assembly

**Parts No.: SY100-77-1A-Q**

**Blank plate**
- SY100-77-1-A-Q

**Gasket**
- VJ100-20-1
30 Type Manifold: Top Ported/SS3Y1-30-[Station]-F-Q

Grommet (G), (H)

Other dimensions are same as grommet style.

Station 1

- 2-M5 X 0.8 (P port)
- n-M3 X 0.5 (A port)
- Manual override (Indicator light and surge voltage suppressor)
- 2 x ø3.5 (Mounting holes)

Other dimensions are same as grommet style.

*L No bracket is assembled prior to delivery.
Mount one to the appropriate position.
(Attach two brackets if more than five stations.)

<table>
<thead>
<tr>
<th>Station</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>23.5</td>
<td>31</td>
<td>41.5</td>
<td>52</td>
<td>62.5</td>
<td>73</td>
<td>83.5</td>
<td>94</td>
<td>104.5</td>
</tr>
</tbody>
</table>

*L Other dimensions are same as grommet style.

M plug connector (M)

- (Indicator light and surge voltage suppressor)

*L Other dimensions are same as grommet style.
31 Type Manifold: Top Ported/SS3Y1-31-[Station]-Q

Grommet (G), (H)

**L plug connector (L)**

**M plug connector (M)**

* Other dimensions are same as grommet style.

**Station | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20**
L1 | 33.5 | 44 | 54.5 | 65 | 75.5 | 86 | 96.5 | 107 | 117.5 | 128 | 138.5 | 149 | 159.5 | 170 | 180.5 | 191 | 201.5 | 212 | 222.5 |
L2 | 27.5 | 38 | 48.5 | 59 | 69.5 | 80 | 90.5 | 101 | 111.5 | 122 | 132.5 | 143 | 153.5 | 164 | 174.5 | 185 | 195.5 | 206 | 216.5 |
S41 Type Manifold: Side Ported/SS3Y1-S41-Station-M3/M5-Q

Grommet (G), (H)

**In case of M5**

<table>
<thead>
<tr>
<th>Station</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td>33.5</td>
<td>44</td>
<td>54.5</td>
<td>65</td>
<td>75.5</td>
<td>86</td>
<td>96.5</td>
<td>107</td>
<td>117.5</td>
<td>128</td>
<td>138.5</td>
<td>149</td>
<td>159.5</td>
<td>170</td>
<td>180.5</td>
<td>191</td>
<td>201.5</td>
<td>212</td>
<td>222.5</td>
</tr>
<tr>
<td>L2</td>
<td>27.5</td>
<td>38</td>
<td>48.5</td>
<td>59</td>
<td>69.5</td>
<td>80</td>
<td>90.5</td>
<td>101</td>
<td>111.5</td>
<td>122</td>
<td>132.5</td>
<td>143</td>
<td>153.5</td>
<td>164</td>
<td>174.5</td>
<td>185</td>
<td>195.5</td>
<td>206</td>
<td>216.5</td>
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</table>

**In case of M3**

<table>
<thead>
<tr>
<th>Station</th>
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<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
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<th>12</th>
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</thead>
<tbody>
<tr>
<td>L1</td>
<td>33.5</td>
<td>44</td>
<td>54.5</td>
<td>65</td>
<td>75.5</td>
<td>86</td>
<td>96.5</td>
<td>107</td>
<td>117.5</td>
<td>128</td>
<td>138.5</td>
<td>149</td>
<td>159.5</td>
<td>170</td>
<td>180.5</td>
<td>191</td>
<td>201.5</td>
<td>212</td>
<td>222.5</td>
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<td>L2</td>
<td>27.5</td>
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<td>48.5</td>
<td>59</td>
<td>69.5</td>
<td>80</td>
<td>90.5</td>
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<td>111.5</td>
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<td>132.5</td>
<td>143</td>
<td>153.5</td>
<td>164</td>
<td>174.5</td>
<td>185</td>
<td>195.5</td>
<td>206</td>
<td>216.5</td>
</tr>
</tbody>
</table>

* Other dimensions are same as grommet style.
Series SY
Made to Order
(Contact SMC for further specifications, dimensions and delivery lead time.)

Power Saver
Power consumption is decreased by 1/3 of standard product by reducing electrical power at holding. (This is effective when energizing time exceeds 62ms at rated voltage of 24V DC.)

Specifications

<table>
<thead>
<tr>
<th>Series</th>
<th>SY11 3T</th>
<th>SY11 4AT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coil rated voltage (V)</td>
<td>24, 12V DC</td>
<td></td>
</tr>
<tr>
<td>Power consumption (W)</td>
<td>0.55</td>
<td>0.8</td>
</tr>
<tr>
<td>Inrush</td>
<td>0.22</td>
<td>0.3</td>
</tr>
</tbody>
</table>

Specifications except those mentioned above are same at standard.

How to Order

Body ported
- SY1 1 3 T - 5 L Z — M3 —
- Actuation:
  1. Normally closed
  2. Normally open
- Option:
  Standard
  —
  Large flow capacity style
- Rated voltage:
  5. 24V DC
  6. 12V DC

Base mounted
- SY1 1 4 T - 5 M Z —

Operating principle
Power consumption at holding is decreased with the below indicated circuit, for energy savings. Refer to electrical power wave form shown below.

<Electrical wave form of power saving style, SY11 3T>