### Pressure switches

- **PS8**
  - Range: 0 to 85 kPa, 0 to 130 kPa, 0 to 185 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 12 to 24 VDC
  - Dimensions: 50 x 50 mm

- **PS83**
  - Range: 0 to 50 kPa, 0 to 85 kPa, 0 to 130 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 12 to 24 VDC
  - Dimensions: 30 x 35 mm

- **PS66**
  - Range: 0 to 10 kPa, 0 to 25 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 12 to 24 VDC
  - Dimensions: 30 x 41 mm

- **PS87**
  - Range: 0 to 3 kPa, 0 to 5 kPa
  - Materials: Glass and plastic
  - Output: 1 switch output
  - Power: 12 to 24 VDC
  - Dimensions: 30 x 26 mm

### Handheld digital manometers

- **PS91**
  - Range: 0 to 100 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 55 x 155 mm

- **PG-100N**
  - Range: 0 to 100 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

- **PG-100B**
  - Range: 0 to 100 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

- **PG-100**
  - Range: 0 to 100 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

### Pressure gauges

- **PG-30**
  - Range: 0 to 30 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

- **PG-35**
  - Range: 0 to 35 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

- **PG-35H**
  - Range: 0 to 35 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

- **PG-35L**
  - Range: 0 to 35 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

- **PG-75**
  - Range: 0 to 35 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

### Pressure indicators

- **PZ-30**
  - Range: 0 to 30 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

- **PZ-300**
  - Range: 0 to 300 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

### Liquid leak sensors

- **WL10**
  - Range: 0 to 300 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

### Potentiometers

- Wirewound type
- Conductive plastic type
- Cermet type
- Optical contactless type

### For manual setting

- **W**
  - Range: 0 to 300 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

### For sensor

- **JT22**
  - Range: 0 to 300 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

- **JT30**
  - Range: 0 to 300 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

- **J405S/445S/J806**
  - Range: 0 to 300 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

- **M22/10**
  - Range: 0 to 300 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm

- **M100GA**
  - Range: 0 to 300 kPa
  - Materials: Metal, glass, and plastic
  - Outputs: 2 switch outputs
  - Power: 10 to 35 VDC
  - Dimensions: 72 x 40 mm
DC geared motors

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated voltage</th>
<th>Rated torque</th>
<th>Rated speed</th>
<th>No load speed</th>
<th>Gear ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC30G</td>
<td>24 VDC</td>
<td>6.0A</td>
<td>4500 rpm</td>
<td>7000 rpm</td>
<td>1/10 – 1/1500</td>
</tr>
<tr>
<td>LC379</td>
<td>24 VDC</td>
<td>4.3A</td>
<td>5000 rpm</td>
<td>7400 rpm</td>
<td>1/10 – 1/1500</td>
</tr>
<tr>
<td>H397</td>
<td>24 VDC</td>
<td>1.5A</td>
<td>4600 rpm</td>
<td>7300 rpm</td>
<td>1/10 – 1/1500</td>
</tr>
<tr>
<td>H316</td>
<td>6, 12 VDC</td>
<td>1.3A</td>
<td>310 – 55 rpm</td>
<td>380 – 60 rpm</td>
<td>1/10 – 1/1240</td>
</tr>
</tbody>
</table>

Flat servomotors

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated voltage</th>
<th>Rated torque</th>
<th>Rated speed</th>
<th>No load speed</th>
<th>Gear ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>LA1603284B</td>
<td>12 VDC</td>
<td>14.7, 24.5 mN·m</td>
<td>3800 rpm</td>
<td>19000 rpm</td>
<td>1/50, 1/120</td>
</tr>
<tr>
<td>LA205</td>
<td>12 VDC</td>
<td>0.5A</td>
<td>7100 rpm</td>
<td>17000 rpm</td>
<td>1/10 – 1/1500</td>
</tr>
<tr>
<td>LC320-103/105</td>
<td>12 VDC</td>
<td>1.0A</td>
<td>4900 rpm</td>
<td>7000 rpm</td>
<td>1/10 – 1/1750</td>
</tr>
<tr>
<td>LC320-107/110B</td>
<td>12, 24 VDC</td>
<td>1.0A</td>
<td>3800 rpm</td>
<td>6100 rpm</td>
<td>1/10 – 1/1240</td>
</tr>
</tbody>
</table>

Stepping motors

<table>
<thead>
<tr>
<th>Model</th>
<th>Rotational motion</th>
<th>Number of poles</th>
<th>Number of phases</th>
<th>Excitation</th>
<th>Step angle</th>
<th>Gear ratio</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS40</td>
<td>10 plates</td>
<td>6</td>
<td>4 phases</td>
<td>2 phases</td>
<td>18°</td>
<td>1/15 – 1/100</td>
<td>Ø30 – 32 mm</td>
</tr>
<tr>
<td>MS22</td>
<td>12 plates</td>
<td>4</td>
<td>4 phases</td>
<td>2 phases</td>
<td>15°</td>
<td>1/15 – 1/100</td>
<td>Ø27×27.7 mm</td>
</tr>
</tbody>
</table>

Solenoids

<table>
<thead>
<tr>
<th>Model</th>
<th>Compact</th>
<th>Easy connection with connector terminal</th>
<th>Solenoid resistance: 30 Ω ±10%</th>
<th>Rated voltage: 12 VDC</th>
<th>Pull-in force: 0.35 mN·m Min.</th>
<th>Dimensions: 29×14×25.5 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL4002</td>
<td>Compact</td>
<td>Easy connection with connector terminal</td>
<td>Solenoid resistance: 30 Ω ±10%</td>
<td>Rated voltage: 12 VDC</td>
<td>Pull-in force: 0.35 mN·m Min.</td>
<td>Dimensions: 29×14×25.5 mm</td>
</tr>
</tbody>
</table>

Micro blowers (Aerodynamic bearings)

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated voltage</th>
<th>Rated power supply current</th>
<th>Rotation speed (Max./Rated)</th>
<th>Pressure (Max./Rated)</th>
<th>Airflow</th>
<th>Weight</th>
<th>Material</th>
<th>Resin</th>
<th>Full compliance with UL94 V0</th>
<th>Driver set also available</th>
</tr>
</thead>
<tbody>
<tr>
<td>TF37C-2100</td>
<td>24 VDC</td>
<td>0.67 A Max.</td>
<td>45,000 rpm / 31,000 rpm</td>
<td>4.5 kPa / 2 kPa</td>
<td>100 l/min</td>
<td>94 g</td>
<td>Resin</td>
<td>Full compliance with UL94 V0</td>
<td>Driver set also available</td>
<td></td>
</tr>
</tbody>
</table>

Micro blowers (Compact, Light weight, So powerful, Less vibration, Long life)

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated voltage</th>
<th>Rated power supply current</th>
<th>Rotation speed (Max./Rated)</th>
<th>Pressure (Max./Rated)</th>
<th>Airflow</th>
<th>Weight</th>
<th>Material</th>
<th>Resin</th>
<th>Full compliance with UL94 V0</th>
<th>Driver set also available</th>
</tr>
</thead>
<tbody>
<tr>
<td>TF37C-3000</td>
<td>24 VDC</td>
<td>1.2 A Max.</td>
<td>45,000 rpm / 40,000 rpm</td>
<td>4.5 kPa / 3 kPa</td>
<td>100 l/min</td>
<td>90 g</td>
<td>Resin</td>
<td>Full compliance with UL94 V0</td>
<td>Driver set also available</td>
<td></td>
</tr>
</tbody>
</table>

Micro blowers (Rotational motion)

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated voltage</th>
<th>Rated power supply current</th>
<th>Rotation speed (Max./Rated)</th>
<th>Pressure (Max./Rated)</th>
<th>Airflow</th>
<th>Weight</th>
<th>Material</th>
<th>Resin</th>
<th>Full compliance with UL94 V0</th>
<th>Driver set also available</th>
</tr>
</thead>
<tbody>
<tr>
<td>TF37G-2000</td>
<td>24 VDC</td>
<td>0.67 A Max.</td>
<td>45,000 rpm / 31,000 rpm</td>
<td>4.5 kPa / 2 kPa</td>
<td>100 l/min</td>
<td>72 g</td>
<td>Resin</td>
<td>Full compliance with UL94 V0</td>
<td>Driver set also available</td>
<td></td>
</tr>
<tr>
<td>TF37G-3000</td>
<td>24 VDC</td>
<td>0.67 A Max.</td>
<td>45,000 rpm / 31,000 rpm</td>
<td>4.5 kPa / 2 kPa</td>
<td>100 l/min</td>
<td>72 g</td>
<td>Resin</td>
<td>Full compliance with UL94 V0</td>
<td>Driver set also available</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** The above specs are based on rated voltage 24 VDC ±10%.
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