Directional valves → Supplementary products

4/2-way valve, Series 840

▷ Qn = 200 l/min ▷ pipe connection ▷ compressed air connection output: Ø6x1 ▷ Electr. connection: Plug, EN 175301-803, form C ▷ Manual override: with detent ▷ single solenoid

Version
Diaphragm poppet valve

Pilot
internal

Sealing principle
soft sealing

Mounting on manifold strip
PRS strip

Working pressure min./max.
1.5 bar / 10 bar *

Control pressure
1.5 bar / 10 bar

min./max.

Ambient temperature min./max.
-15°C / +50°C *

Medium temperature min./max.
-15°C / +50°C *

Medium
Compressed air

Max. particle size
50 µm

Oil content of compressed air
0 mg/m³ - 1 mg/m³

Connector standard
EN 175301-803, form C

Degree of protection with electrical connector/plug
IP 65

Duty cycle
100 %

Switch-on time
12 ms

Switch-off time
12 ms

Materials:

Housing
Polyoxymethylene

Seals
Acrylonitrile Butadiene Rubber

* The maximum working pressure depends on the ambient temperature. The following values are applicable:
-15°C - 50°C: Working pressure 1.5 - 8 bar possible.
-15°C - 40°C: Working pressure 1.5 - 10 bar possible.

Technical Remarks

■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

■ The oil content of air pressure must remain constant during the life cycle.

■ Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.

■ Versions with voltage of less than 50 V DC do not have a protective ground

<table>
<thead>
<tr>
<th>Operating voltage</th>
<th>Voltage tolerance</th>
<th>Power consumption</th>
<th>Switch-on power</th>
<th>Holding power</th>
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<tbody>
<tr>
<td>DC</td>
<td>AC 50 Hz</td>
<td>AC 60 Hz</td>
<td>DC</td>
<td>AC 50 Hz</td>
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<td>12 V</td>
<td>-</td>
<td>-</td>
<td>-10% / +10%</td>
<td>-</td>
</tr>
<tr>
<td>24 V</td>
<td>-</td>
<td>-</td>
<td>-10% / +10%</td>
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<tr>
<td>- 24 V</td>
<td>24 V</td>
<td>24 V</td>
<td>-10% / +15%</td>
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<tr>
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<td>-</td>
<td>-10% / +15%</td>
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<tr>
<td>- 230 V</td>
<td>230 V</td>
<td>-</td>
<td>-10% / +15%</td>
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</tbody>
</table>
### 4/2-way valve, Series 840

- **Qn = 200 l/min**
- **pipe connection**
- **compressed air connection output: Ø6x1**
- **Electr. connection: Plug, EN 175301-803, form C**
- **Manual override: with detent**
- **single solenoid**

#### Directional valves → Supplementary products

#### Specifications:

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Switch-on power</th>
<th>Flow rate value</th>
<th>Weight</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Qn [l/min]</td>
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<td>[kg]</td>
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</tbody>
</table>

**MO = Manual override**

1) LED status display: Red

Nominal flow Qn at 6 bar and Δp = 1 bar
Directional valves → Supplementary products

4/2-way valve, Series 840

- Qn = 200 l/min
- pipe connection
- compressed air connection output: Ø6x1
- Electr. connection: Plug, EN 175301-803, form C
- Manual override: with detent
- single solenoid

Supplementary products
Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

Pneumatics catalog, online PDF, as of 2012-07-05, © Bosch Rexroth AG, subject to change

Dimensions

1) manual override 2) el. connector 3) LED display 4) coil can be rotated at 180° intervals
5) mounting space for name plate 6) hold for M5 fitting or silencer Ø 4.5 mm