2/2, 3/2
Compact design
Long life - in excess of 25 Mio. cycles
High cycle rate of up to 2000 cycles per minute

> Up to 2,4 mm orifice (kv 2.00)

Technical features
Medium:
Air, neutral gases and liquids
Operation:
Direct acting 2-way and 3-way valves, normally closed and normally opened, bi-directional
Operating pressure:
0 ... 40 bar (0 ... 580 psi) maximum
Flow (kv factor):
0,5 ... 2.0 (Cv: 0.03 ... 0.14)

Mounting:
Inline
Orifice:
1,0 ... 2,4 mm (0.04 ... 0.09")
Port size:
G1/8
Response time:
8 ... 15 ms
Response time measured according to ISO 12238
Life time:
25 million cycles
Temperature:
Ambient:
-15 ... +50 °C (+5 ... +122°F)
Media:
-15 ... +130 °C (+5 ... +266°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2 °C (+35°F).

Materials:
Body: Stainless steel, brass
Seal: NBR, FPM, EDPM

Technical data - standard models, G1/8

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Function</th>
<th>Orifice (mm)</th>
<th>Operating pressure (bar)</th>
<th>kv *1) (l/min)</th>
<th>Voltage (V d.c.)</th>
<th>Power consumption (W)</th>
<th>Material</th>
<th>Body</th>
<th>Seal</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>2/2 NC</td>
<td>1,0</td>
<td>0 ... 40</td>
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<td>NBR</td>
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<td>0 ... 6</td>
<td>2.00</td>
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<tr>
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<td>Brass</td>
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<td>0 ... 7</td>
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<td>Brass</td>
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<td>NBR</td>
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</tbody>
</table>

*1) Cv - Value in [gal/min] = kv x 0.07

Electrical details
Voltage tolerances: -10 % ... +15 %
Duty cycle: 100% ED
Insulation class: F (155 °C)
Protection class according to EN 60529: IP 65 with connector
Electrical connection: Interface according to DIN EN 175301-803, Form B
Coil orientation: Rotatable 360°
Coil mounting: M8 x 0.75 mm nut

Following options on request
Alternative configuration for manifold mounting
Pneumatic connection
Voltage
Power consumption
Operating pressure (also vacuum)
Materials
Electrical connections (type of connector & coil orientation)
Coil
Accessories

22 mm industrial standard
2-pole + PE

N060.1075

Dimensions

Port identification

<table>
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<tr>
<th>Ports</th>
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<th>2</th>
<th>3</th>
</tr>
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<tr>
<td>2/2 NC</td>
<td>A</td>
<td>P</td>
<td>–</td>
</tr>
<tr>
<td>3/2 NC</td>
<td>P</td>
<td>A</td>
<td>R</td>
</tr>
<tr>
<td>3/2 NO</td>
<td>R</td>
<td>A</td>
<td>P</td>
</tr>
</tbody>
</table>

P = Inlet; A = Outlet; R = Exhaust
Please refer to marking on the valve body for flow direction or port identification.

All solenoids are supplied with mounting screws and gasket.
MINISOL  2/2 NC, 3/2 NC or 3/2 NO for manifold mounting on request

Warning

These products are intended for use in air, neutral gas and liquid systems only. Do not use these products where pressures and temperatures can exceed those listed under »Technical features«.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult IMI FAS.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

Sealing area

All solenoids are supplied with mounting screws and gasket.

Dimensions shown in mm

Projection/First angle

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<td>A</td>
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