4/2, 4/3 Directional control valve, NG 10 ISO 4401, directly controlled
Technical data sheet

Advantages

+ High switching power
+ Short switching time
+ With internal or external pilot oil supply
+ Easy service
+ Solenoids can be rotated 3 x 90°
Technical data

General

Type of valve  piston valve
Operation  electric
Mounting  4x M6 x 40 DIN912
Connection of ports  mounting plate
Mounting positions  mountable in any position
Ambient temperature  -5 to +50 °C
Mass valve  3.9 kg (one solenoid)
            5.4 kg (two solenoids)

Hydraulic

Operation pressure P,A,B  315 bar
Operation pressure T  210 bar
Hydraulic oil temperature  -30 to +80 °C
Viscosity range  20 to 400 mm²/s
Max. flow  120 l/min

Electric

Voltage (±10%)  24 V DC  230 V, 50Hz AC
Switching time on *  90 ms  160 ms
Switching time off **  70 ms  100 ms
Power consumption P20  32 W
Start up peak  50 VA
Duty factor  100 %  100 %
Protection system  DIN 40050  IP65

* at external pilot oil drain
** at 24V DC ±5%

Advantages

+ Directly controlled piston valve
+ High switching capacity
+ Saving energy by low flow resistance
+ Pressure sealed oil-immersed solenoids for director alternating current
+ Easy service: solenoid can be changed without leakage while the valve is under system pressure; no tools are required
+ Solenoids can be rotated 3 x 90°, allowing alternative connector positions
+ Port connection pattern according to ISO 4401

Options

- Alternative voltage
- Alternative symbols - data sheet: 14607-DSH
- Alternative plugs

Symbol

Electrical connection

Connector type: DIN 43650, design A

Characteristic curve

Hydraulic oil 35 mm²/s, 50°C

<table>
<thead>
<tr>
<th>Q [l/min]</th>
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<tr>
<td>20</td>
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<tr>
<td>2</td>
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<tr>
<td>4</td>
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<tr>
<td>6</td>
</tr>
<tr>
<td>8</td>
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<td>10</td>
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Δp [bar]

A-T
B-T
P-A
P-B

1  2  3  4  5  7
Plug is not included
Mounting screws are not included, 4 pcs. M6x40 DIN 912, M=15 Nm

Port connection pattern NG 4 ISO 4401

Dimensions in mm
F: M5, thread depth min. 1.5 x Ø
Various single and multiple mounting plates are available.

View: fastening side of mounting plate

<table>
<thead>
<tr>
<th>P</th>
<th>A</th>
<th>T</th>
<th>B</th>
<th>F1</th>
<th>F2</th>
<th>F3</th>
<th>F4</th>
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<tbody>
<tr>
<td>Ø max [mm]</td>
<td>11.2</td>
<td>11.2</td>
<td>11.2</td>
<td>11.2</td>
<td>M6</td>
<td>M6</td>
<td>M6</td>
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<tr>
<td>x [mm]</td>
<td>27</td>
<td>16.7</td>
<td>3.2</td>
<td>37.3</td>
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<tr>
<td>y [mm]</td>
<td>6.3</td>
<td>21.4</td>
<td>32.5</td>
<td>21.4</td>
<td>0</td>
<td>0</td>
<td>46</td>
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</table>
Type code

We 05 - 10 P 100 - E 220/5 H N

- manual emergency operation
- electric interface
  - H = plug DIN 43650, design A
  - M = plug M12
- power supply
  - 024/0 = 24V DC
  - 220/5 = 230V/50Hz
- solenoid type
- design code
- design
- nominal size
- symbol
- directional control valve, electric operated
- material number

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Legally binding language version of document: german.