4/2, 4/3 Directional control valve, NG10 ISO 4401, piloted
Technical data sheet

Advantages

+ High switching power, short switching time
+ Energy saving through minimised flow resistance
+ Easy service
+ Solenoid coil can be turned through 3 x 90°
Technical data

General
- Type of valve: piston valve
- Operation: electric
- Mounting: 4x M6x75 DIN912
- Connection of ports: mounting plate
- Ambient temperature: -5 to +50 °C
- Mounting position: any
- Mass valve: 4.0 kg

Hydraulic
- Operation pressure P,A,B: max. 315 bar
- Operation pressure T: max. 150 / 315* bar
- Control pressure range: 3 to 315 bar
- Control oil volume: 2 x 1.5 cm³ at 4/3 valves
  3 cm³ at 4/2 valves
- Hydraulic oil temperature: -10 to +70 °C
- Viscosity range: 10 to 300 mm²/s
- max. flow: 160 l/min

Electric
- Voltage (±10%): 24 V DC, 230 V, 50 Hz AC
- Switching time on **: 17 ms
- Switching time off ***: 17 ms
- Power consumption P20: 23 W
- Start up peak P20: 50 VA
- Duty factor: 100%
- Protection system DIN 40050: IP65 at inserted valve plug

Equipment
- Adjustable switching delay
- Stroke limitation (replace one-way restrictor)
- Electric monitoring of the spool position
- Alternative symbols - data sheet: 14607-DSH
- Alternative voltages

Advantages
- Piloted piston valve
- High switching power, short switching time
- Energy saving through minimised flow resistance with internal or external pilot oil supply
- Easy service: solenoid can be changed without leakage while the valve is under system pressure
- Solenoid coil can be turned through 3 x 90°, allow alternative connector position
- Only one connector, even with 4/3 way valves

Options
- Adjustable switching delay
- Stroke limitation (replace one-way restrictor)
- Electric monitoring of the spool position
- Alternative symbols - data sheet: 14607-DSH
- Alternative voltages

Symbol

Characteristic curve

Hydraulic oil 35 mm²/s, 50°C
**Dimensional drawing**

Dimensions in mm
Plug is not included
Mounting screws are not included, 4 pcs. M6x75 DIN 912, M=14 Nm

**Port connection pattern NG 4 ISO 4401**

View: fastening side of mounting plate
F: M6, boring hole depth min. 1,5 x Ø.
Only at external supply x and y
Various single or multiple mounting plates are available

<table>
<thead>
<tr>
<th>P</th>
<th>A</th>
<th>T</th>
<th>B</th>
<th>T1</th>
<th>F1</th>
<th>F2</th>
<th>F3</th>
<th>F4</th>
<th>x</th>
<th>y</th>
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<tbody>
<tr>
<td>Ø max [mm]</td>
<td>11,5</td>
<td>11,5</td>
<td>11,5</td>
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<td>-</td>
<td>-</td>
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<td>x  [mm]</td>
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<td>3,2</td>
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<td>54</td>
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<tr>
<td>y  [mm]</td>
<td>6,4</td>
<td>21,5</td>
<td>32,5</td>
<td>21,5</td>
<td>32,5</td>
<td>0</td>
<td>0</td>
<td>46</td>
<td>46</td>
<td>39,6</td>
</tr>
</tbody>
</table>
The image contains a diagram with a type code: We 05 - 1H 100 - 4 L X Y T2 B1 Z 220/5 H N.

The diagram details the following:
- **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**
  - R = single solenoid
  - Z = double solenoid
- **stroke limitation**
- **adjustable switching time**
- **pilot oil drain extern**
- **pilot oil supply extern**
- **pilot type, L = horizontal**
- **nominal size pilot**
- **design code**
- **design valve**
- **nominal size valve**
- **symbol**
- **directional control valve, electric operated**
- **material number**

This is a translated document. Original language: german. Legally binding language version of document: german.