Advantages

+ High switching power
+ Short switching time
+ With internal or external pilot oil supply
+ Easy service
+ Solenoids can be rotated 3 x 90°
+ Only one connector, even with 4/3 way valves
**Technical data**

**General**
- Type of valve: piston valve
- Operation: electric
- Mounting: 4x M5x30 DIN912
- Connection of ports: mounting plate
- Mounting positions: mountable in any position
- Ambient temperature: -5 to +50 °C
- Mass valve: 2.2 kg

**Hydraulic**
- Operation pressure P,A,B: 315 bar
- Operation pressure T: 150 / 250* bar
- Hydraulic oil temperature: -10 to +70 °C
- Viscosity range: 20 to 400 mm²/s
- Max. flow: 80 l/min

**Electric**
- Voltage (±10%): 24 V DC \( \pm 5\% \), 230V, 50Hz AC
- Switching time on*: 20 ms \( \pm 5\% \), 30 ms
- Switching time off**: 20 ms \( \pm 5\% \), 30 ms
- Power consumption P20: 20 W
- Start up peak P20: 64 VA
- Duty factor: 100%
- Protection system DIN 40450: IP65

**Options**
- • 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
- + With internal or external pilot oil supply
- + 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
- + Only one connector, even with 4/3 way valves

**Electrical connection**

**Symbol**

**Characteristic curve**

**Electrical**

**Connector type:**

DIN 43650, design A

**Hydraulic oil 35 mm²/s, 50°C**
Port connection pattern NG 4 ISO 4401

View: fastening side of mounting plate
F: M5, thread depth min. 1.5 x Ø
G: bore hole depth min. 1.5 x Ø

Various single and multiple mounting plates are available.

<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>
<th>x [mm]</th>
<th>y [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø max [mm]</td>
<td>Ø 7</td>
<td>Ø 7</td>
<td>Ø 7</td>
<td>Ø 7</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Ø 4</td>
</tr>
<tr>
<td>x [mm]</td>
<td>21.5</td>
<td>12.7</td>
<td>21.5</td>
<td>30.2</td>
<td>0</td>
<td>40.5</td>
<td>40.5</td>
<td>0</td>
<td>46.5</td>
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<tr>
<td>y [mm]</td>
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<td>15.45</td>
<td>5.15</td>
<td>15.45</td>
<td>0</td>
<td>-0.75</td>
<td>31.75</td>
<td>31</td>
<td>25.25</td>
</tr>
</tbody>
</table>
Type code

**We 05 - 6 B 100 - 4 R X Y T2 A1 Z 220/5 H N**

- Manual emergency operation
- Electric interface
  - H = plug DIN 43650, design A
- 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
- Design code pilot
- Nominal size pilot
- Design code
- Mounting
- Nominal size
- Symbol
- Directional control valve, electric operated
- Material number

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