4/2, 4/3 Directional Control Valve, NG 25 ISO 4401, Pilot NG 4, ISO 4401, vertical

Technical Data Sheet

• Pilot controlled piston valve
• High switching power
• Short switching time
• Energy saving due to minimized flow resistivity
• With internal or external pilot oil supply
• Easy service: solenoid can be changed without leakage while the valve is under system pressure
• Solenoids can be rotated 3 x 90°, allowing alternative connector positions
### Technical Data

#### General
- **Type of valve**: piston valve
- **Operation**: electric
- **Mounting**: 6 x M12 x 60 DIN912
- **Connection of ports**: mounting plate
- **Mounting positions**: any position
- **Ambient temperature**: -5 to +50 °C
- **Mass valve**: 10.5 kg

#### Hydraulic
- **Operating pressure P,A,B** max. 280 bar
- **Operating pressure T** max. 150 / 280** bar
- **Pilot pressure range**: 15 bis 120 bar
- **Pilot volume oil**: 4/3 valves: 2x 8,3 cm³
  4/3 valves: 9,6 cm³
- **Hydraulic oil temperature**: -10 to +70 °C
- **Viscosity range**: 10 to 300 mm²/s
- **Max. flow**: 450 l/min

#### Electric
- **Voltage (±10%)**: 24 V DC 230V, 50Hz AC
- **Switching time off****: 50 ms 50 ms
- **Switching time off****: 60 ms 60 ms
- **Power consumption P20**: 28 W
- **Start up peak P20**: 35 VA
- **Duty factor**: 100% 100%
- **Protective system**: IP65 at connected valve plug DIN 40050

* at 24 V DC ± 5%
** at terminal voltage = -50 V at free circuit
*** at external pilot oil drain

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

### Symbol
![Symbol](image)

### Electrical Connection
![Electrical Connection](image)

### Characteristic Curve
![Characteristic Curve](image)

hydraulic oil 35 mm²/s, 50°C
Dimensional Drawing

Fastening screws are not included.
6x M12x65 DIN 912 - 10.9; MA = 80 Nm

All dimensions in mm

Port Connection Pattern

<table>
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<th>P</th>
<th>A</th>
<th>T</th>
<th>B</th>
<th>x</th>
<th>y</th>
<th>F1</th>
<th>F2</th>
<th>F3</th>
<th>F4</th>
<th>F5</th>
<th>F6</th>
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</table>

F: M12, thread depth min. 1.5 x Ø;
G: bore hole depth min. 1.5 x Ø
x and y: only at external control.

Various single and multiple mounting plates are available.
Type Code

We 05 - 25 H 100 - 4 L X Y T2 B1 Z 024/0 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
  - R = single solenoid
  - Z = double solenoid
- stroke limitation
- adjustable switching time
- pilot oil drain extern
- pilot oil supply extern
- design pilot valve
- nominal size pilot valve
- design code
- mounting
- symbol
- directional control valve, electric operated
- material number