4/2, 4/3 Directional Control Valve, NG 25 ISO 4401, Pilot NG 6, ISO 4401
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 40 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

Symbol

Electric Connection

Characteristic Curve

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)

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

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

- Dimensions in mm

View: fastening side of mounting plate

Port Connection Pattern

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

Various single and multiple mounting plates are available.
Type Code

We 05 - 25 H 100 - 6 P 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
- design
- symbol
- directional control valve, electric operated
- material number