4/2, 4/3 Directional control valve, piloted, NG 6 ISO 4401

Technical data sheet

Advantages

+ Compact design
+ Short switching time
+ Pressure sealed oil-immersed solenoids
+ Easy service
+ Only one plug, even with 4/3 directional control valves
Technical data

General
Type of valve  piston valve
Operation  electric
Mounting  4 x 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  230V, 50Hz AC
Switching time on*  20 ms  30 ms
Switching time off**  20 ms  30 ms
Power consumption P20  20 W
Start up peak P20  64 VA
Duty factor  100 %  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

Connector type:
DIN 43650, design A

Characteristic curve

Hydraulic oil 35 mm²/s, 50°C
Solenoid can be rotated by 90°
Plug is not included
Screws are not included,
4x M5 x 30 DIN912 - 10.9, MA = 8 Nm

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<th>P</th>
<th>A</th>
<th>T</th>
<th>B</th>
<th>F1</th>
<th>F2</th>
<th>F3</th>
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<td>Ø 7</td>
<td>Ø 7</td>
<td>Ø 7</td>
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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