

Connections and switching positions of directional control valves

<p>3/2-way valve (Type A)</p> <p>In the neutral position the directional control valve allows compressed air to pass from 1 to 2. By pressing the button, the compressed air connection 1 is closed, and the working connection from 2 to 3 is vented. When the button is released, the directional control valve automatically returns to the neutral position.</p> <p>Use: for pneumatic pilot controls, single-acting cylinders</p>		<p>1.1</p> <p>1.2</p> <p>1.3</p>	
<p>3/2-way valve (Type B)</p> <p>In the neutral position, the directional control valve vents the working connection 2 to 3. Compressed air connection 1 is closed. Pressing the button allows compressed air to pass from 1 to 2. When the button is released, the directional control valve automatically returns to the neutral position.</p> <p>Use: for pneumatic pilot controls, single-acting cylinders</p>		<p>1.4</p>	
<p>5/2-way valve (Type A)</p> <p>In the neutral position, the directional control valve allows compressed air to pass from 1 to 2, and the working connection 4 is simultaneously vented at connection 5. By pressing the button, the compressed air connection 1 is switched from 2 to 4, and the working connection from 2 to 3 is vented. When the button is released, the directional control valve automatically returns to the neutral position.</p> <p>Use: For double-action cylinders and drives</p>		<p>2.1</p> <p>2.2</p>	
<p>Connections</p>	<p>1: Compressed air connection 2 and 4: Working connections 3 and 5: Vent connections</p>		<p>2.3</p>

Technical data	
Operating medium	Filtered compressed air
Operating pressure	2 ... 10 bar
Working temperature	with dry air: -20 °C ... +80 °C
	with air containing oil: 0 °C ... +80 °C
Normal rated flow	130 NI/min (6 bar, free exhaust air)
Actuation force	22 N (independent of operating pressure)
Connection	Quick coupling for pneumatic hoses, diam. 4 mm
Nominal diameter of air passage	diam. 2.5 mm

1.1
1.2
1.3
1.4
2.1
2.2
2.3
2.4

