

# 4/2, 4/3 Directional control valve NG 6 ISO 4401, directly controlled

## 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	4x M5x45 DIN912
Connection of ports	mounting plate
Mounting positions	mountable in any position
Ambient temperature	-25 to +50 °C
Mass valve	2.2 kg

### Hydraulic

Operation pressure P,A,B	315 bar
Operation pressure T	160 bar
Hydraulic oil temperature	-10 to +70 °C
Viscosity range	20 to 400 mm <sup>2</sup> /s
Max. flow	80 l/min

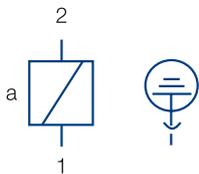
### Electric

Voltage (±10%)	24 V DC	230V, 50Hz AC
Switching time on*	40 ms	40 ms
Switching time off**	40 ms	40 ms
Power consumption P20	32 W	
Start up peak P20		39 VA
Duty factor	100%	100%
Protection system DIN 40450	IP65	IP65

\* at 24V DC ± 5 %

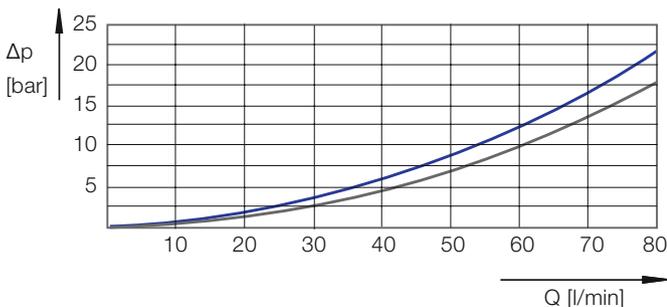
\*\* at terminal voltage = -50V at free circuit

## Electrical connection



Connector type:  
DIN 43650, design A

## Characteristic curve



Hydraulic oil 35 mm<sup>2</sup>/s, 50°C

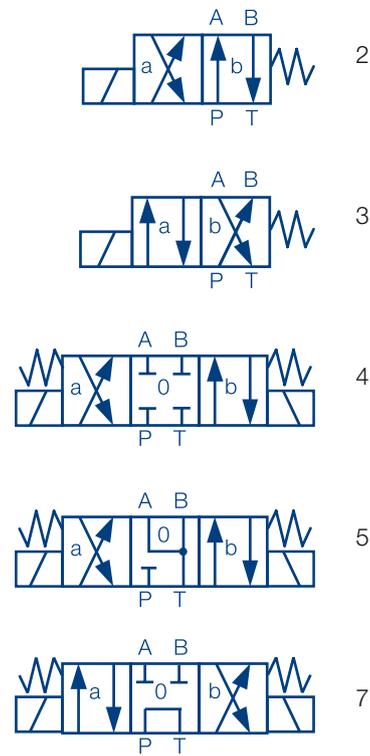
## Advantages

- + Directly controlled piston valve
- + High switching capacity
- + Saving energy by low flow resistance
- + Pressure sealed oli-immersed solenoids for director alternating current
- + 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
- + Port connection pattern according to ISO 4401

## Options

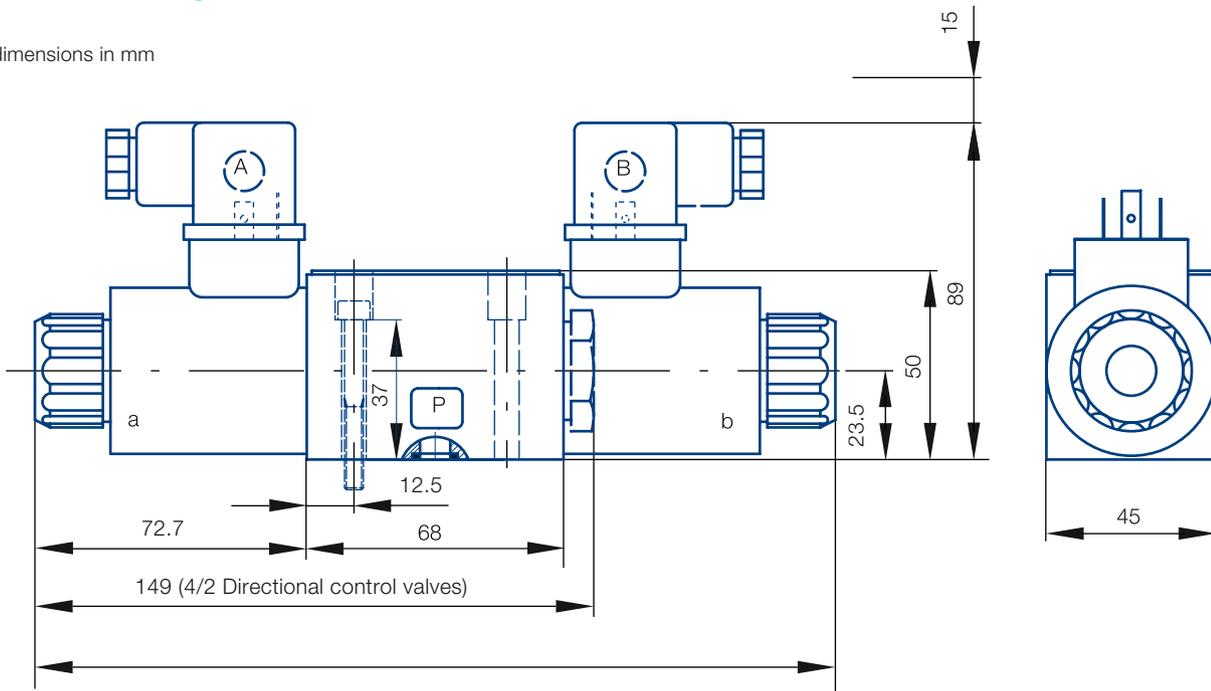
- Alternative voltages
- Alternative symbols – data sheet: 14607-DSH
- Alternative connectors
- 8 Watt variant: max. operating pressure 140 bar
- Max. rate of flow 40 l/min

## Symbol



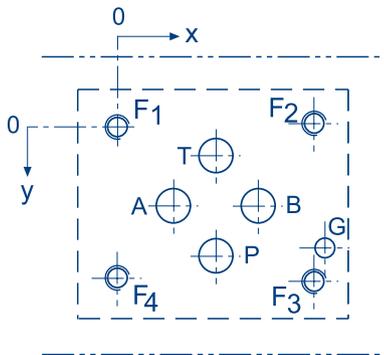
**Dimensional drawing**

all dimensions in mm



Electric connector not included,  
fastening screws not included,  
4x M5x45 DIN 912 - 10.9, MA = 8 Nm

**Port connection pattern NG 4 ISO 4401**



View: fastening side of mounting plate

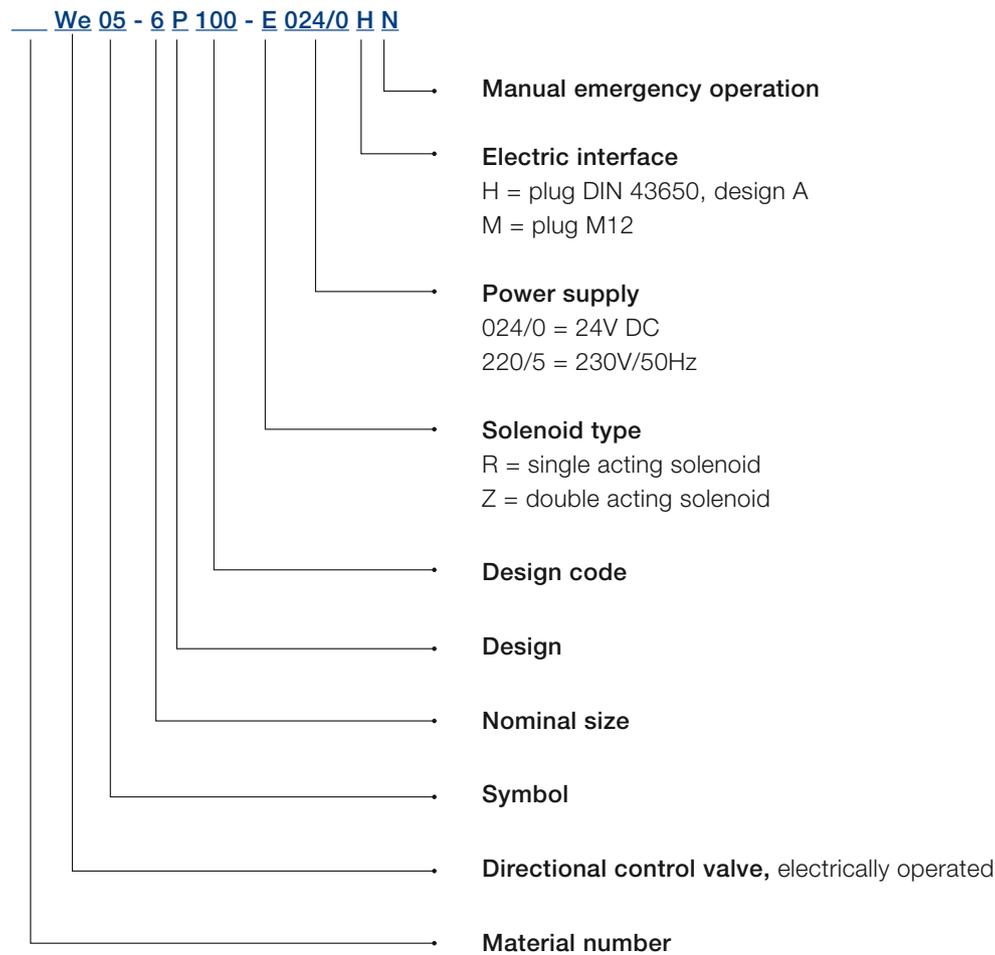
F: M5, thread depth min. 1.5 x Ø

G: bore hole depth min. 1.5 x Ø

Various single and multiple mounting plates are available.

	P	A	T	B	F1	F2	F3	F4	G
Ø max [mm]	7.5	7.5	7.5	7.5	-	-	-	-	4
x [mm]	21.5	12.7	21.5	30.2	0	40.5	40.5	0	33
y [mm]	25.9	15.5	5.1	15.5	0	-0.75	31.75	31	31.75

## Type code



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