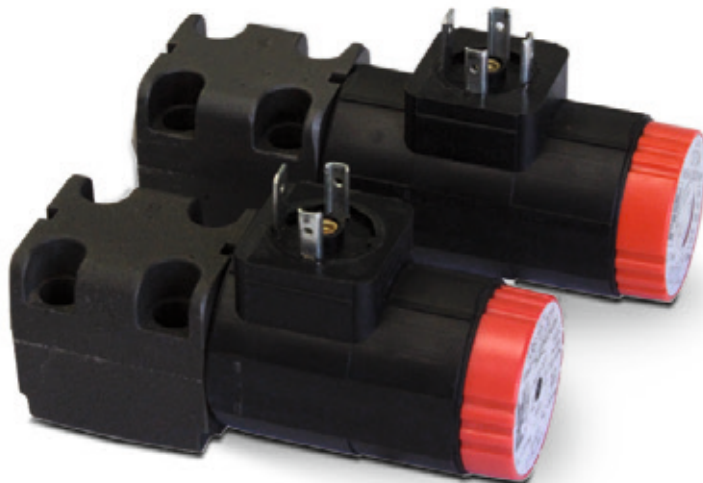


4/2, 4/3 Directional control valve, NG 4 ISO 4401

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 M5 x 40 DIN912
Connection of ports	mounting plate
Mounting positions	mountable in any positions
Ambient temperature	-5 to +50 °C
Mass valve	0,68 kg with single acting solenoid 0,77 kg with double acting solenoid

Hydraulic

Operation pressure P,A,B	max. 315 bar
Operation pressure T	max. 150 bar
Hydraulic oil temperature	-10 to +70 °C
Viscosity range	10 to 300 mm²/s
Max. flow	30 l /min

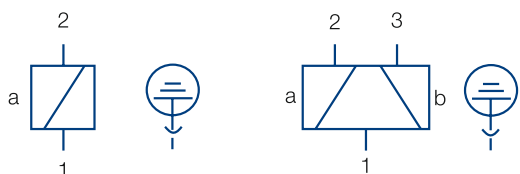
Electric

Voltage (±10%)	24 V DC	230V, 50Hz AC
Switching time on*	17 ms	25 ms
Switching time off**	17 ms	25 ms
Power consumption P20	20 W	
Start up peak P20		64 VA
Duty factor	100%	100%
Protection system DIN 40450	IP65	IP65

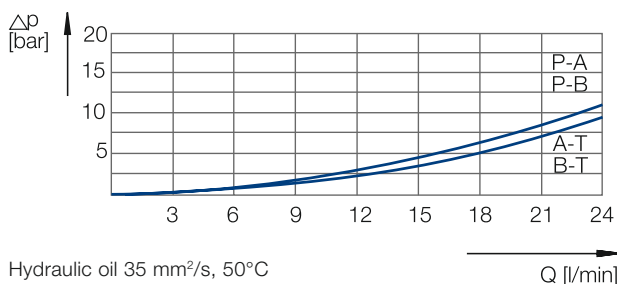
* at 24V DC ± 5 %

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

Electrical connection



Characteristic curve



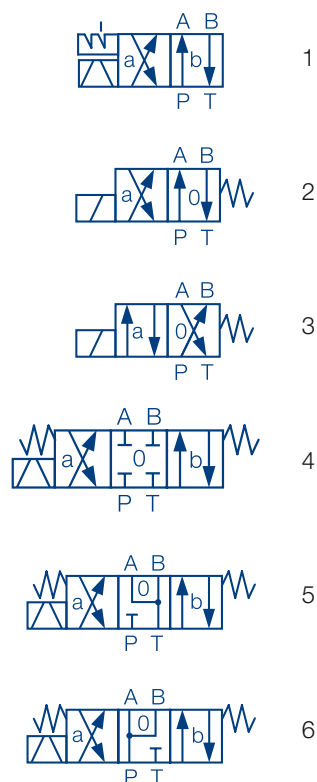
Advantages

- + Directly controlled piston valve
- + Compact design
- + Short switching time
- + Low internal leakage
- + Pressure sealed oil-immersed solenoids for direct or alternating current
- + 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
- + Only one plug, even with 4/3 directional control valves
- + Port connection pattern according to ISO 4401

Options

- Alternative voltages
- Alternative symbols – data sheet: 14607-DSH
- Alternative plugs
- Alternative solenoid position
- Manual emergency operation even for 4/3 directional control valves

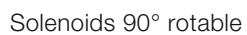
Symbol



all dimensions in mm

all dimensions in mm

Plug not included



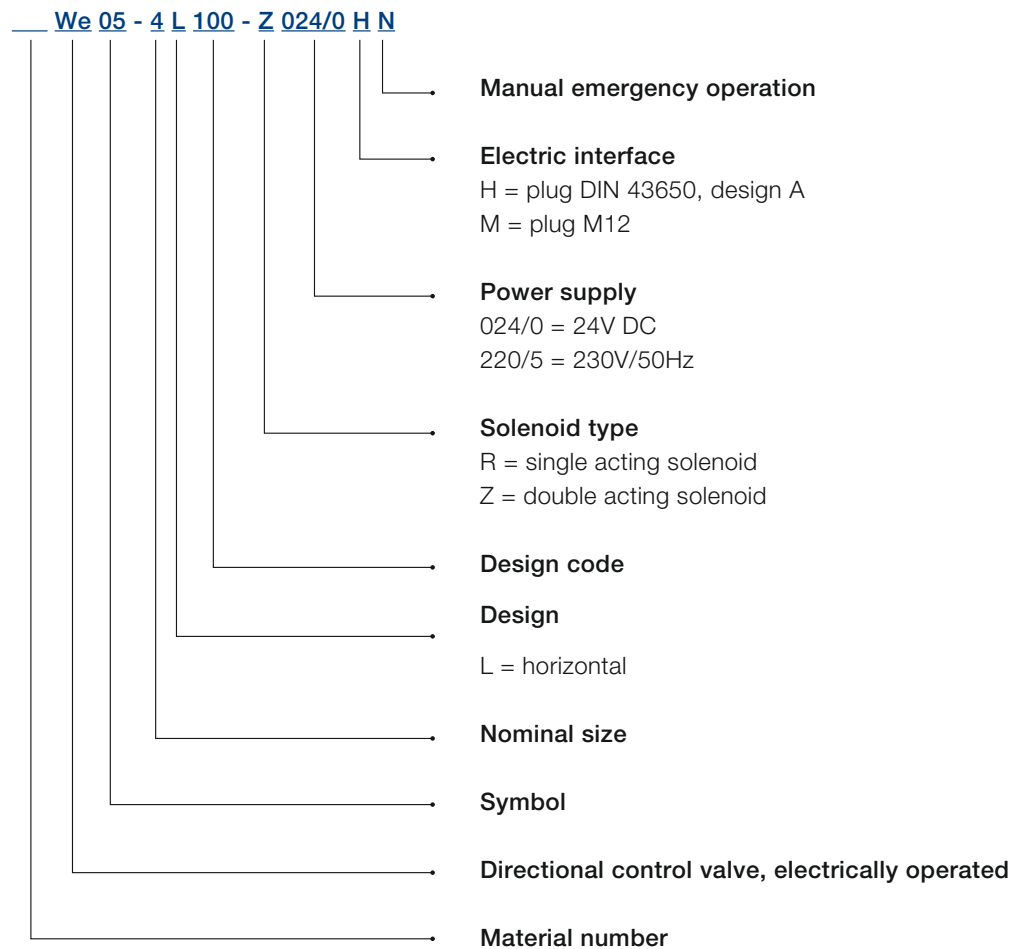
A 2D coordinate system is shown with a dashed rectangular boundary. The x-axis is horizontal and the y-axis is vertical, both with arrows and labels. The origin is marked with a 0. Inside the boundary, there are nine points labeled A, B, P, T, F1, F2, F3, F4, and G. Points F1, F2, F3, and F4 are located at the corners of the boundary. Point T is at the top center, A is at the left center, B is at the right center, and P is at the bottom center. Point G is at the bottom right corner.

G: bore hole depth min. $1.5 \times \varnothing$

Various single and multiple mounting plates are available.

	P	A	T	B	F1	F2	F3	F4	G
Ø max [mm]	4.5	4.5	4.5	4.5	-	-	-	-	3.4
x [mm]	12	4.3	12	19.7	0	24	24	0	26.5
y [mm]	20.25	11.25	2.25	11.25	0	-0.75	23.25	22.5	17.75

Type code



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