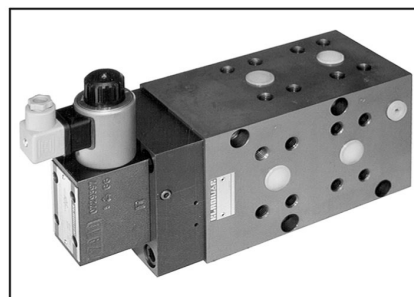




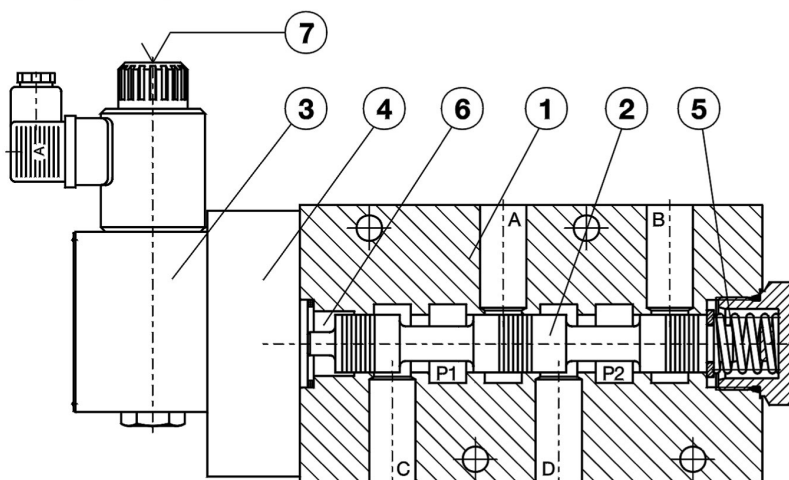
6/2-WAY DIRECTIONAL VALVES type KV

- NS 16
- to 350 bar
- to 250 l/min
- Pilot operated
- Tube-in connector for solenoids to ISO 4400
- Tube connection according to DIN 2353
- Protection of solenoid IP 65 to DIN 40050
- Fulfil EMC (89/336/EEC)



KV-6/2-16-XN

Description of operation



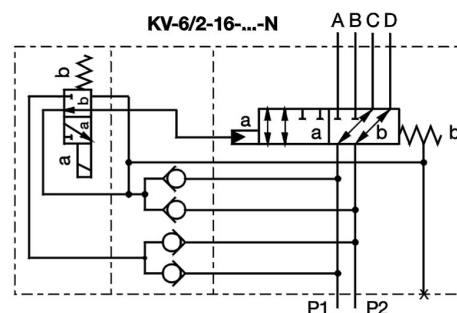
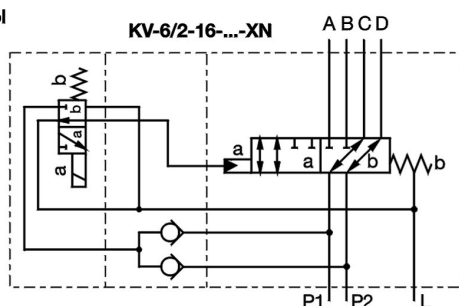
Directional valves type KV-6/2-16 with indirect, solenoid-hydraulics operation control the direction of the hydraulic medium flow. They are mostly used as link between two consumers and the basic directional valve, when we want to control both consumers alternately by means of one basic directional valve.

The KV type directional valves consist of a housing (1), a control spool (2), a pilot valve (3), a sandwich plate (4) and a return spring (5).

Change-over to the operating position is done by energising the solenoid of the pilot valve (3). A pressure rise in the pressure chamber (6), provoke the movement of the control spool (2), thus clearing the corresponding flow ways and establishing respective links between the ports P1, A, B and P2.

When the solenoid of the pilot valve is de-energised, the control spool (2) is returned to its neutral position by the return spring (5), thus establishing again the links between ports P1, C, D and P2. The change-over can also be done manually by pressing the emergency hand operator (7) of the pilot valve.

Symbol



Technical data

Hydraulic

Size		16
Flow rate	l/min	250
Operating pressure	bar	350
(in port L or in return way)	bar	160
Oil temperature range	°C	-20 to +70
Viscosity range	mm²/s	15 to 380
Mounting position	optional	
Mass	kg	22
Filtration	NAS 1638	9

Electrical

Supply voltage	V	12, 24 DC
Power	W	29
(12 V DC supply voltage)	W	36
Switching frequency	1/h	15000
Ambient temperature	°C	to +50
Coil temperature	°C	to +180
Duty cycle	continuous	

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