

## Directional valves ▶ Electrically operated

### 5/2-directional valve, Series 740-BV

▶ Qn = 700 l/min ▶ pipe connection ▶ Electr. connection: Plug, EN 175301-803, form A ▶ with throttle ▶ Can be assembled into blocks ▶ Manual override: with detent ▶ single solenoid ▶ Pilot: internal



740-BV\_single

Version	Diaphragm poppet valve
Sealing principle	Soft sealing
Blocking principle	Single base plate principle, Plate principle
Mounting on manifold strip	PRS strip
Working pressure min./max.	2 bar / 10 bar
Ambient temperature min./max.	-15 °C / +50 °C
Medium temperature min./max.	-15 °C / +50 °C
Medium	Compressed air
Max. particle size	50 μm
Oil content of compressed air	0 mg/m <sup>3</sup> - 5 mg/m <sup>3</sup>
Nominal flow Qn	700 l/min
Protection class with connection	IP65
	Protected against polarity reversal
Compatibility index	14
Duty cycle	100 %
Typ. switch-on time	16 ms
Typ. switch-off time	35 ms
Weight	0.221 kg
<b>Materials:</b>	
Housing	Polyoxymethylene; Polyarylamide
Seals	Acrylonitrile Butadiene Rubber

#### Technical Remarks

- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

Operational voltage			Voltage tolerance			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
24 V	230 V	230 V	-10% / +10%	-20% / +10%	-10% / +20%	2.14	6.6	5.5	4.18	3.3

	MO	Compressed air connection	Operating voltage			Power consumption	Hold-ing power	Hold-ing power	Switch-on power	Switch-on power	Part No.
			DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	
		Input				[W]	[VA]	[VA]	[VA]	[VA]	
		Ø 8x1	24 V	230 V	230 V	2.14	4.18	3.3	6.6	5.5	<b>R412009690</b>

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

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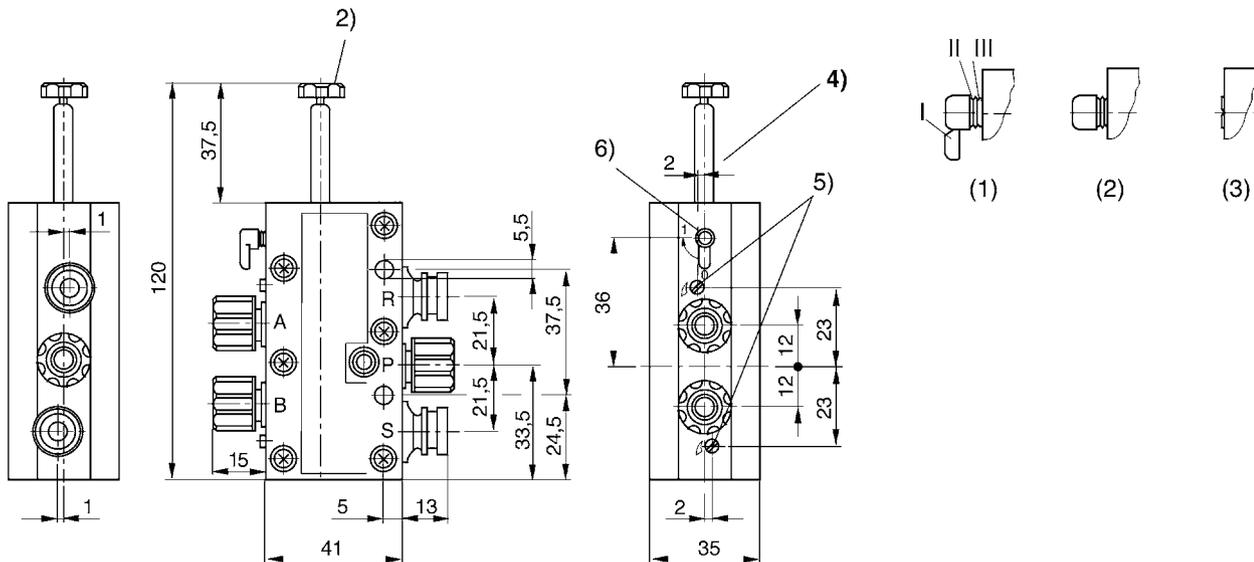
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Part No.	Note
<b>R412009690</b>	1)
MO = Manual override 1) order quantity 25 pcs. Basic valve without coil Nominal flow Qn at 6 bar and $\Delta p = 1$ bar	

### Dimensions

Fig. 1



2) M 5 internal thread

4) coil can be plugged at 45° intervals

5) throttle screw for exhausts 5 (R) and 3 (S) (S)

6) manual override and position indicator

Fig. 1: manual override:

manual actuation: (1) with detent - push and turn into position 1 (2) without detent - remove segment 1 - push only  
actuation by tool: (3) with detent - remove segments up to III - push with tool and turn into position 1

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