

3/2 Directional Control Valves



Nominal size 6
For single-acting cylinders
Solenoid pilot operated soft seal spool valve
NAMUR pattern flange mounting (size 6)
G 1/4 internal thread connection
Operating pressure 1 to 10 bar

Catalogue Register
P 10

Publication 7502515.06.12.94

Description

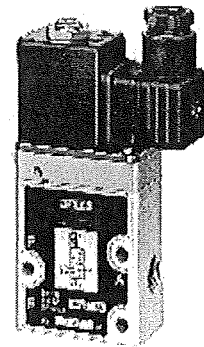
Solenoid valves for filtered, lubricated¹ or oil-free air

Flow direction: Fixed

Temperature range: -10 to +60 °C

Material used:

- Housing: Aluminium
- Solenoid pilot flange: POM
- Seals: NBR (Perbunan)



Features

- High flow rate
- Simple design of soft seal spool system
- Straight-through flow, high Cv-factor
- Maintenance free
- Easily interchangeable solenoid system
- Compact design
- With or without manual override
- Power consumption of 3 W standard
- Exhaust air return
- Multiple mounting system



¹Oil recommendation: Shell Hydrol DO 32, ESSO Febis K 32 (as of July 1992) or comparable oils with DVI values < 8 (DIN 53521) and ISO viscosity class 32-46 (DIN 51519)

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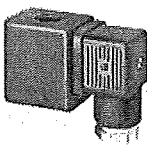
Valve parameters

Size	Pipe connection		Operating pressure bar		kv-value	switching time	Manual-override without/with detend	Weight without solenoid	Sectional drawing	Cat. No.
	1 3	2 3	min.	max.	(Basis m ³ /h)	[ms]		[kg]	No.	Valve
6	G 1/4	G 1/4	1	10	1,2	35	-	0,4	2	8020766 see solenoid table



Solenoid parameters

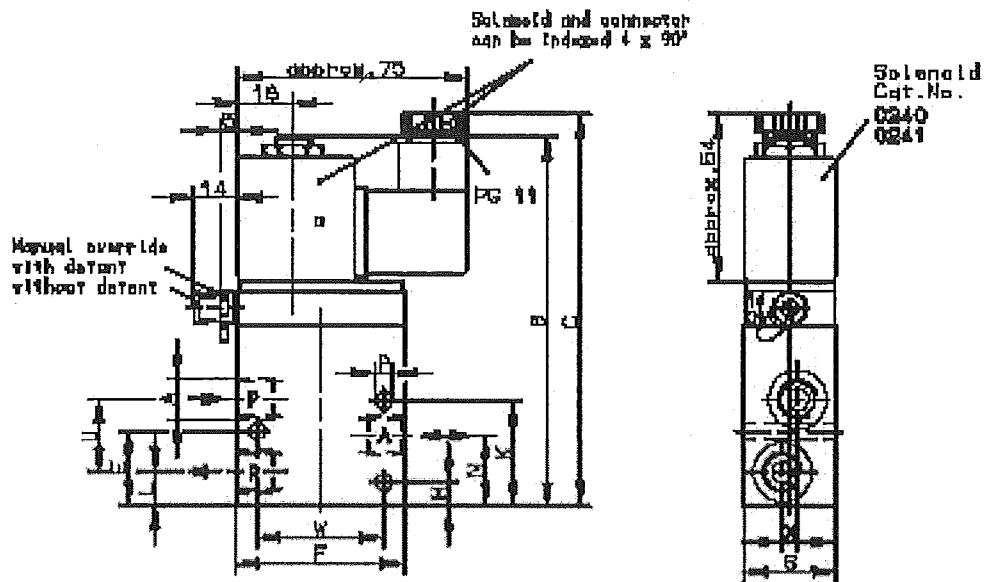
Standard voltage 24 V. Further voltages and types on request.
Design to VDE 0580 or VDE 0171/ EN 50014, EN 50028. 100 % duty cycle.

	Current-draw		Current		Tolerance % rated current		Protection class	Ambient temperature	Fluid-temperature	Weight	Dimensional drawing	Circuit diagram	Cat. No.
	W DC	VA AC	DC	AC	+	-		°C	°C	kg	No.	No.	
	2,7	-	112	-	10	10	IP 65 -25	-25	to +80	0,18	3	14)	.0240
	-	4,43	-	203				to 55			3	14)	.0241

- ¹⁾ 2 mounting bolts M5 x 35 (DIN 912 - 8.8 A2J) included in delivery.
²⁾ Inrush
³⁾ Holding
⁴⁾ External connection of solenoid possible by means of corresponding connector.

Dimensional drawings

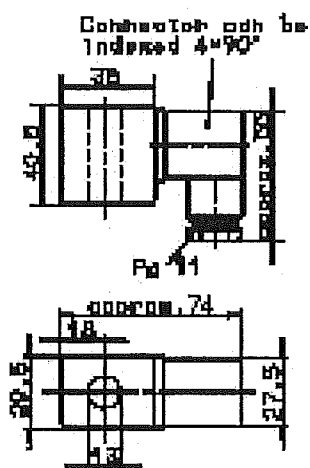
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Dimensions (inches)

Est. No	A	B	C	E	F	H	K	L	M	P	Q	T	U	V	X
8020766	G 164	120	127	24.5	55	7.5	34.5	11	23	5.5	30	18.5	24	41	5
8020767	G 164	120	127	24.5	55	7.5	34.5	11	23	5.5	30	18.5	24	41	5
8020765	G 164	120	127	24.5	55	7.5	34.5	11	23	5.5	30	18.5	24	41	5
8020867	G 162	148	155	77.5	85	31.5	-	29	50	7	35	23.5	33	48	-
8020865	G 162	148	155	77.5	85	31.5	-	29	50	7	35	23.5	33	48	-

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