

3/2, 5/2 and 5/3 Valves, Series CD12, G1/2, M22x1,5

5/2-way valve, double solenoid

Rexroth
Bosch Group



Technical Data

Type	Spool valve	
Working pressure range	2 to 10 bar (29 to 145 psi)	
Nominal flow rate Q_n at 6 bar (87 psi), $\Delta p = 1$ bar (15 psi)	4100 l/min (4.1 Cv)	
Ambient temperature range	-15 °C to +50 °C (+5 °F to +122 °F)	
Medium	Compressed air, lubricated or non-lubricated	
Weight	1,2 kg (2.646 lbs)	
Materials	Body Seals	Al, PAmXD6-GF 50 NBR (Nitrile Butadiene Rubber), Polyurethane
Operating voltages	50 Hz 60 Hz	24 V DC $\pm 10\%$ 220 AC-20% +10% 220 AC-10% +20%
Power consumption	24 V DC	2,10 W
Inrush power	220/230 V AC 50/60Hz	6,6/5,5 VA (at 220 V)
Holding power	220/230 V AC 50/60Hz	4,18/ 3,3 VA (at 220 V)
Insulation class	F to VDE 0580	
Protection with el. connector	IP 65 -IEC 529 (DIN VDE 0470)	
Duty cycle	ED	100%
Switching times	t_f fill	35 ms
	t_e exhaust	35 ms



Application area

Suitable for all applications. The valve is non-overlapping and suitable for dual pressure.

Part no.

	Voltage and frequency	Working pressure range [bar] (psi)	Pilot pressure range [bar] (psi)	Part no.* G1/2	Part no.* M22x1,5
	24 V DC 220/230 V AC 50/60 Hz Basic valve without coil**	2 - 10 (29 -145)		5725550220 5725555280 5725555202	5725500220 5725505280 5725505202
	24 V DC	2 - 10 (29 -145)	- 0,95 - 16 (-14 - 232)	5725560220	

* without electrical connector ** usable coils see accessories

Accessories (to be ordered separately)

Accessory	Type	Part no.				
	spare parts kit	5711000002				
	spare parts and coils ... ¹⁾					
	voltages connectors to DIN 43650, Form A and with LED other connectors ... ²⁾	24 V DC 8941000302 8941016102	220/230 V AC 8941000302 8941016112	all voltages 8941000302		
	voltages for BUS- systems Adapter		24 V DC			
	Contact bridge, with sensor input and 0,2 m cable Contact bridge, with sensor input and 1,0m cable Contact bridge, with sensor input and 5,0m cable Contact bridge, without sensor input and 0,2 m cable		8946053622 5763503113 5763513113 5763523113 5763513133			
	voltages pilot valve	12 V DC 5420890010	24 V DC 5420890020	48 V DC 5420890030	110 V DC 5420890070	220 V DC 5420890080
	voltages pilot valve	24 V AC 5428110020	48 V AC 5428110040	110/115 V AC 5428110070	220/230 V AC 5428110080	

¹⁾ ... see separate spare parts catalogue ²⁾ ... see product overview
* coil with 3 m cable (Order standard CD12 valve and change coil only)