Directional valves → Electrically operated

5/2-way valve, Series CD04

► Qn = 900 l/min ► pipe connection ► compressed air connection output: G 1/8 ► Electr. connection: Plug, EN 175301-803, form B ► Manual override: with detent ► double solenoid

00134135

Version	Spool valve, zero overlap
Sealing principle	soft sealing
Mounting on manifold strip	P-strip
Working pressure min./max.	See table below
Control 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/m³ - 1 mg/m³
Compressed air connection	according to ISO 228-1 with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Degree of protectionwith electrical connector/plug	IP 65
Compatibility index	14
Duty cycle	100 %
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

- 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 air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.

Operating 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
12 V	-	-	-10% / +10%	-	-	4.6	-	-	-	-
24 V	-	-	-10% / +10%	-	-	4.8	-	-	-	-
-	24 V	24 V	-	-20% / +10%	-10% / +20%	-	10.8	9.4	8.3	6.7
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	10.8	9.5	8.3	7.2
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	11.5	9.7	9	7.4

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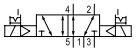
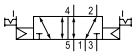
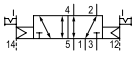
	MO	Compressed air connection					Operating voltage			Holding power	Holding power	Part No.
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	
		G 1/8	G 1/8	G 1/8	-	M5	12 V	-	-	-	-	**R412008841**
							24 V	-	-	-	-	**5777250220**
							-	24 V	24 V	8.3	6.7	**5777255220**
							-	110 V	110 V	8.3	7.2	5777255270
							-	230 V	230 V	9	7.4	**5777255280**
		G 1/8	G 1/8	G 1/8	-	M5	-	-	-	-	-	**5777255302**
		G 1/8	G 1/8	G 1/8	G 1/8	M5	24 V	-	-	-	-	5777260220
							-	230 V	230 V	9	7.4	5777265280
		G 1/8	G 1/8	G 1/8	G 1/8	M5	-	-	-	-	-	5777265302

Part No.	Switch-on power	Switch-on power	Flow rate value			Working pressure min./max.	Switch-on time	Switch-off time	Weight	Note
	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3					
					[l/min]	[bar]	[ms]	[ms]	[kg]	
R412008841	-	-								
5777250220	-	-								
5777255220	10.8	9.4	900	900	900	2 / 10	12	12	0.49	1)
5777255270	10.8	9.5								
5777255280	11.5	9.7								
5777255302	-	-	900	900	900	2 / 10	-	-	0.36	1); 3)
5777260220	-	-	900	900	900	-0.95 / 10	12	12	0.5	2)
5777265280	11.5	9.7								
5777265302	-	-	900	900	900	-0.95 / 10	-	-	0.36	2); 3)

MO = Manual override
1) Pilot: internal
2) Pilot: external
3) Basic valve without coil
Nominal flow Qn at 6 bar and Δp = 1 bar

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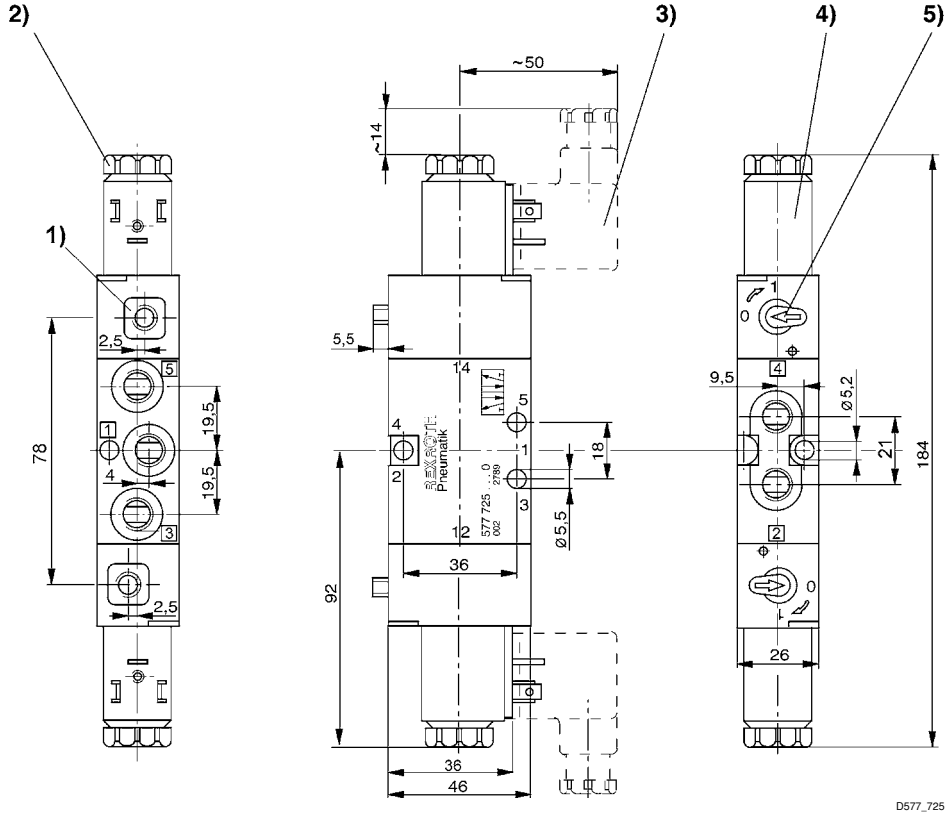
Dimensions



1) only with separate pilot control G 1/8
2) after removal of cap M 5 internal thread
3) electrical connector can be plugged at 180° intervals
4) coil can be rotated at 90° intervals
5) manual override