

Directional valves ▶ Electrically operated

3/2-directional valve, Series CD04

▶ Qn = 900 l/min ▶ Pilot valve width: 26 mm ▶ NC, NO ▶ pipe connection ▶ Compressed air connection output: G 1/8 ▶ Electr. connection: Plug, EN 175301-803, form B ▶ Manual override: with detent, without ▶ single solenoid



00134133

Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	3 bar / 10 bar
Ambient temperature min./max.	See table below
Medium temperature min./max.	See table below
Medium	Compressed air
Max. particle size	50 μm
Oil content of compressed air	0 mg/m ³ - 1 mg/m ³
Nominal flow Qn	900 l/min
Nominal flow 1 ▶ 2	900 l/min
Nominal flow 2 ▶ 3	900 l/min
Compressed air connection	according to ISO 228-1 with directional pilot air exhaust EN 175301-803:2006
Connector standard	EN 175301-803:2006
Protection class with connection	IP65
Compatibility index	14
Duty cycle	100 %
Weight	See table below
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
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“.
- option valve: The input and output compressed air connections can be exchanged. The valve can thereby be used in the NC or NO operating mode.

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	-	-	-10% / +10%	-	-	4.8	-	-	-	-
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	10.8	9.5	8.3	7.2
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	10.6	8.9	7.9	6.4
-	24 V	24 V	-	-20% / +10%	-10% / +20%	-	10.8	9.4	8.3	6.7
24 V	-	-	-30% / +30%	-	-	8.4	-	-	-	-

	MO	Compressed air connection					Operating voltage			Part No.	
		Input	Output	Exhaust	Pilot Input	Pilot Exhaust	DC	AC 50 Hz	AC 60 Hz		
	NC, NO		G 1/8	G 1/8	G 1/8	-	M5	24 V	-	-	5772550220
								-	110 V	110 V	5772555270
								-	230 V	230 V	5772555280
								-	24 V	24 V	5772555220
	NC, NO		G 1/8	G 1/8	G 1/8	-	M5	-	-	-	5772555302

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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		MO	Compressed air connection					Operating voltage			Part No.
			Input	Output	Exhaust	Pilot Input	Pilot Exhaust	DC	AC 50 Hz	AC 60 Hz	
	NC, NO		G 1/8	G 1/8	G 1/8	G 1/8	M5	24 V	-	-	5772560220
								-	110 V	110 V	5772565270
								-	230 V	230 V	5772565280
	NC, NO		G 1/8	G 1/8	G 1/8	G 1/8	M5	-	-	-	5772565302
	NC, NO	-	G 1/8	G 1/8	G 1/8	-	M5	24 V	-	-	5772590220

Part No.	Power consumption		Hold-ing power	Hold-ing power	Switch-on power	Switch-on power	Working pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.	Switch-on time
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz					
	[W]	[VA]	[VA]	[VA]	[VA]					
5772550220	4.8	-	-	-	-	-				
5772555270	-	8.3	7.2	10.8	9.5	3 / 10	-15°C / +50°C	-15°C / +50°C	13	
5772555280	-	7.9	6.4	10.6	8.9					
5772555220	-	8.3	6.7	10.8	9.4					
5772555302	-	-	-	-	-	3 / 10	-15°C / +50°C	-15°C / +50°C	-	
5772560220	4.8	-	-	-	-	-				
5772565270	-	8.3	7.2	10.8	9.5	-0.95 / 10	-15°C / +50°C	-15°C / +50°C	13	
5772565280	-	7.9	6.4	10.6	8.9					
5772565302	-	-	-	-	-	-0.95 / 10	-15°C / +50°C	-15°C / +50°C	-	
5772590220	8.4	-	-	-	-	3 / 10	-20°C / +80°C	-20°C / +80°C	13	

Part No.	Switch-off time	Weight	Note
	[ms]	[kg]	
5772550220			
5772555270	27	0.3	2); 3)
5772555280			
5772555220			
5772555302	-	0.25	2); 3); 5)
5772560220			
5772565270	27	0.3	2); 4)
5772565280			
5772565302	-	0.25	2); 4); 5)
5772590220	27	0.3	1); 3); 6)

MO = Manual override

1) Pilot valve material: aluminum

2) Pilot valve material: polyamide, fiberglass reinforced

3) Pilot: internal

4) Pilot: external

5) Basic valve without coil

6) Higher voltage tolerance

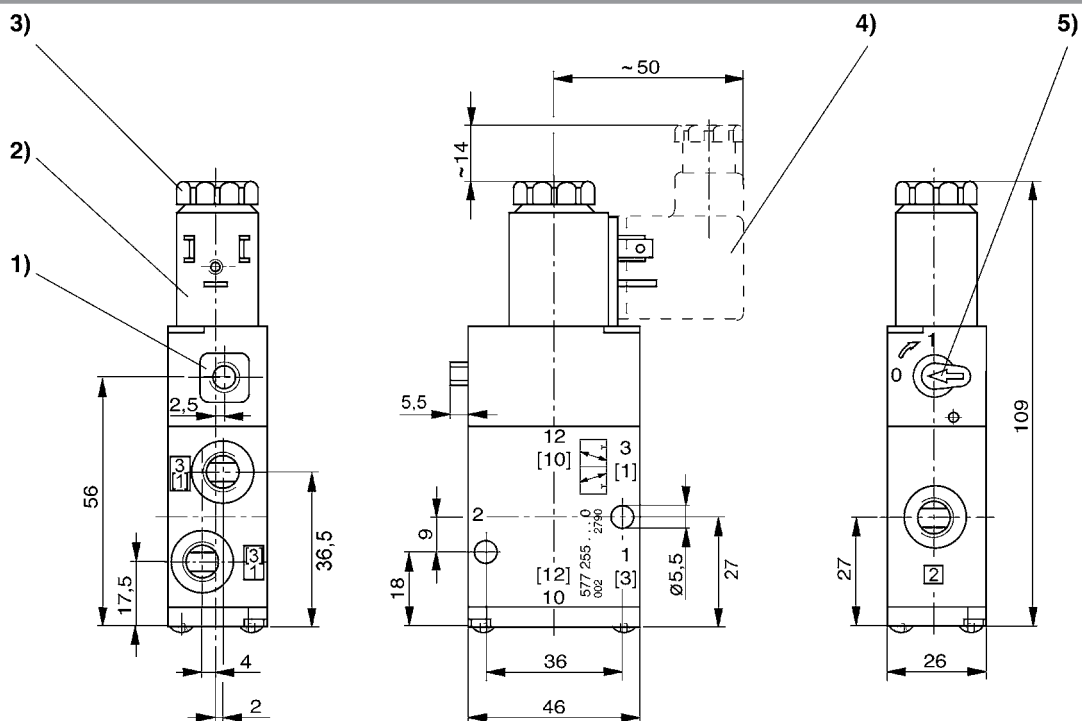
Nominal flow Qn at 6 bar and Δp = 1 bar

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Dimensions



D577_255

- 1) only with separate pilot control G 1/8
- 2) coil can be rotated at 90° intervals
- 3) after removal of cap M 5 internal thread M5
- 4) electrical connector can be plugged at 180° intervals
- 5) manual override