Directional valves → Electrically operated

3/2-way valve, Series CD07

► Qn = 1400 l/min ► pipe connection ► compressed air connection output: G 1/4 ► Electr. connection: Plug, EN 175301-803, form A ► Manual override: with detent, without ► single solenoid



00134142

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/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	See table below Protected against polarity reversal
Compatibility index	13, 14
Duty cycle	100 %
Materials:	
Housing	Die cast zinc; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

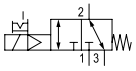
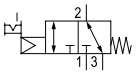
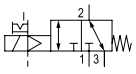
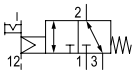
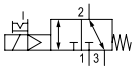
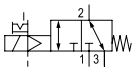
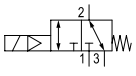
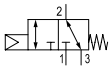
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of air pressure must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.
- ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil.ATEX ID: see ATEX coils catalog page.
- 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.

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
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	6.8	5.7	4.3	3.3
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	6.9	5.8	4.8	4.1
24 V	-	-	-20% / +30%	-	-	4.5	-	-	-	-
-	24 V	24 V	-	-20% / +10%	-10% / +20%	-	6.9	5.6	4.3	3.2

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3/2-way valve, Series CD07

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		MO	Compressed air connection					Operating voltage			Holding power	Part No.
			Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	
	NC/ NO		G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	-	**5772070220**
								-	110 V	110 V	4.3	**5772075270**
								-	230 V	230 V	4.8	**5772075280**
								24 V	-	-	-	**5772072220**
								-	24 V	24 V	4.3	**5772075220**
	NC/ NO		G 1/4	G 1/4	G 1/4	-	M5	-	-	-	-	**5772075302**
	NC/ NO		G 1/4	G 1/4	G 1/4	G 1/8	M5	24 V	-	-	-	**5772080220**
								-	110 V	110 V	4.3	5772085270
								-	230 V	230 V	4.8	**5772085280**
								-	24 V	24 V	4.3	5772085220
	NC/ NO		G 1/4	G 1/4	G 1/4	G 1/8	M5	-	-	-	-	**5772085302**
	NC/ NO		G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	-	R412004091
	NC/ NO		G 1/4	G 1/4	G 1/4	G 1/8	M5	24 V	-	-	-	**R412004092**
	NC/ NO	-	G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	-	**5772960220**
	NC/ NO	-	G 1/4	G 1/4	G 1/4	-	M5	-	-	-	-	**5772965302**

Part No.	Holding power	Switch-on power		Flow rate value			Working pressure min./max.	Ambient temperature min./ max.	Medium temperature min./ max.	Switch-on time	Switch-off time
	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3					
						[l/min]	[bar]	[°C]	[°C]	[ms]	[ms]
5772070220	-	-	-	1400	1400	1400	3 / 10	-25°C / +50°C	-25°C / +50°C	25	45
5772075270	3.3	6.8	5.7								
5772075280	4.1	6.9	5.8								
5772072220	-	-	-								
5772075220	3.2	6.9	5.6								
5772075302	-	-	-	1400	1400	1400	3 / 10	-25°C / +50°C	-25°C / +50°C	-	-
5772080220	-	-	-	1400	1400	1400	-0.95 / 10	-25°C / +50°C	-25°C / +50°C	25	45
5772085270	3.3	6.8	5.7								
5772085280	4.1	6.9	5.8								
5772085220	3.2	6.9	5.6								
5772085302	-	-	-	1400	1400	1400	-0.95 / 10	-25°C / +50°C	-25°C / +50°C	-	-

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Part No.	Holding power	Switch-on power		Flow rate value			Working pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.	Switch-on time	Switch-off time
	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3					
						[l/min]	[bar]	[°C]	[°C]	[ms]	[ms]
R412004091	-	-	-	1400	1400	1400	3 / 10	-10°C / +50°C	-10°C / +50°C	25	45
R412004092	-	-	-	1400	1400	1400	-0.95 / 10	-10°C / +50°C	-10°C / +50°C	25	45
5772960220	-	-	-	1400	1400	1400	3 / 10	-25°C / +50°C	-25°C / +50°C	25	45
5772965302	-	-	-	1400	1400	1400	3 / 10	-25°C / +50°C	-25°C / +50°C	-	-

Part No.	Protection class	Weight	Note
		[kg]	
5772070220 **5772075270** **5772075280** **5772072220** **5772075220**	IP 65	0.54	1) 1) 1) 1); 4) 1)
5772075302	-	-	1); 3); 5)
5772080220 5772085270 **5772085280** 5772085220	IP 65	0.54	2)
5772085302	-	-	2); 3); 5)
R412004091	IP 65	0.54	1); 6)
R412004092	IP 65	0.54	2); 6)
5772960220	IP 65	0.54	1)
5772965302	-	-	1); 3)

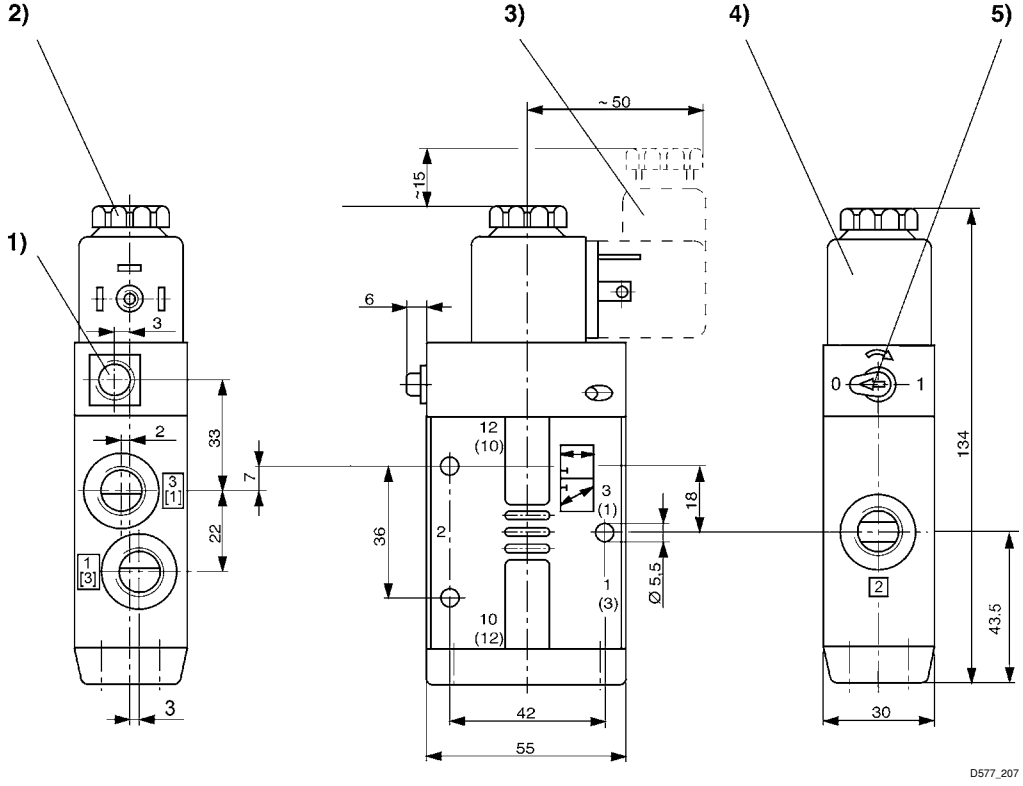
MO = Manual override
1) Pilot: internal
2) Pilot: external
3) Basic valve without coil
4) Higher power consumption
5) ATEX optional
6) ATEX certified
Nominal flow Qn at 6 bar and Δp = 1 bar

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Dimensions



1) only with separate pilot control G 1/8 2) after removal of cap M 5 internal thread M5 3) el. connector can 4) coil can be plugged at 45° intervals 5) manual override