Directional valves → Electrically operated

5/2-way valve, Series CD07

► Qn = 1200 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

00134143

Version	Spool valve, zero overlap
Sealing principle	soft sealing
Mounting on manifold strip	P-strip, PRS strip
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	See table below
Duty cycle	100 %
Weight	See table below
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 compressed air 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.

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% / +15%	-	-	2.1	-	-	-	-
-	230 V	230 V	-	-20% / +10%	-10% / +20%	-	6.9	5.8	4.8	4.1
24 V	-	-	-10% / +10%	-	-	2.1	-	-	-	-
96 V	-	-	-30% / +30%	-	-	5.8	-	-	-	-
-	110 V	110 V	-	-20% / +10%	-10% / +20%	-	6.8	5.7	4.3	3.3

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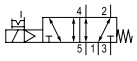
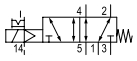
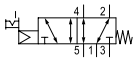
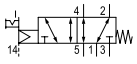
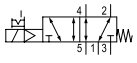
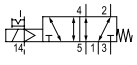
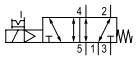
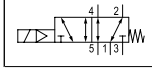
	MO	Compressed air connection					Operating voltage			Holding power	Holding power	Part No.
		Input	Output	Exhaust	Pilot connection	Pilot control exhaust	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	
		G 1/4	G 1/4	G 1/4	-	M5	24 V -	- 230 V	- 230 V	- 4.8	- 4.1	**5776070220** **5776075280**
		G 1/4	G 1/4	G 1/4	G 1/8	M5	24 V -	- 230 V	- 230 V	- 4.8	- 4.1	**5776080220** **5776085280**
		G 1/4	G 1/4	G 1/4	-	M5	-	-	-	-	-	**5776075302**
		G 1/4	G 1/4	G 1/4	G 1/8	M5	-	-	-	-	-	**5776085302**
		G 1/4	G 1/4	G 1/4	-	M5	24 V 96 V	-	-	-	-	R412004093 5776070360
		G 1/4	G 1/4	G 1/4	G 1/8	M5	-	110 V	110 V	4.3	3.3	**5776085270**
		G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	-	-	5776970220
	-	G 1/4	G 1/4	G 1/4	-	M5	24 V	-	-	-	-	5776980220

Part No.	Switch-on 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 50 Hz	AC 60 Hz	Qn	Qn 1►2	Qn 2►3					
					[l/min]	[bar]	[°C]	[°C]	[ms]	[ms]
5776070220 **5776075280**	- 6.9	- 5.8	1200	1200	1200	3 / 10	-25°C / +50°C	-25°C / +50°C	25	45
5776080220 **5776085280**	- 6.9	- 5.8	1200	1200	1200	-0.95 / 10	-25°C / +50°C	-25°C / +50°C	25	45
5776075302	-	-	1200	1200	1200	3 / 10	-25°C / +50°C	-25°C / +50°C	-	-
5776085302	-	-	1200	1200	1200	-0.95 / 10	-25°C / +50°C	-25°C / +50°C	-	-
R412004093 5776070360	-	-	1200	1200	1200	3 / 10	-10°C / +50°C -25°C / +50°C	-10°C / +50°C -25°C / +50°C	25	45
5776085270	6.8	5.7	1200	1200	1200	-0.95 / 10	-25°C / +50°C	-25°C / +50°C	25	45
5776970220	-	-	1200	1200	1200	3 / 10	-25°C / +50°C	-25°C / +50°C	25	45
5776980220	-	-	1200	1200	1200	3 / 10	-25°C / +50°C	-25°C / +50°C	25	45

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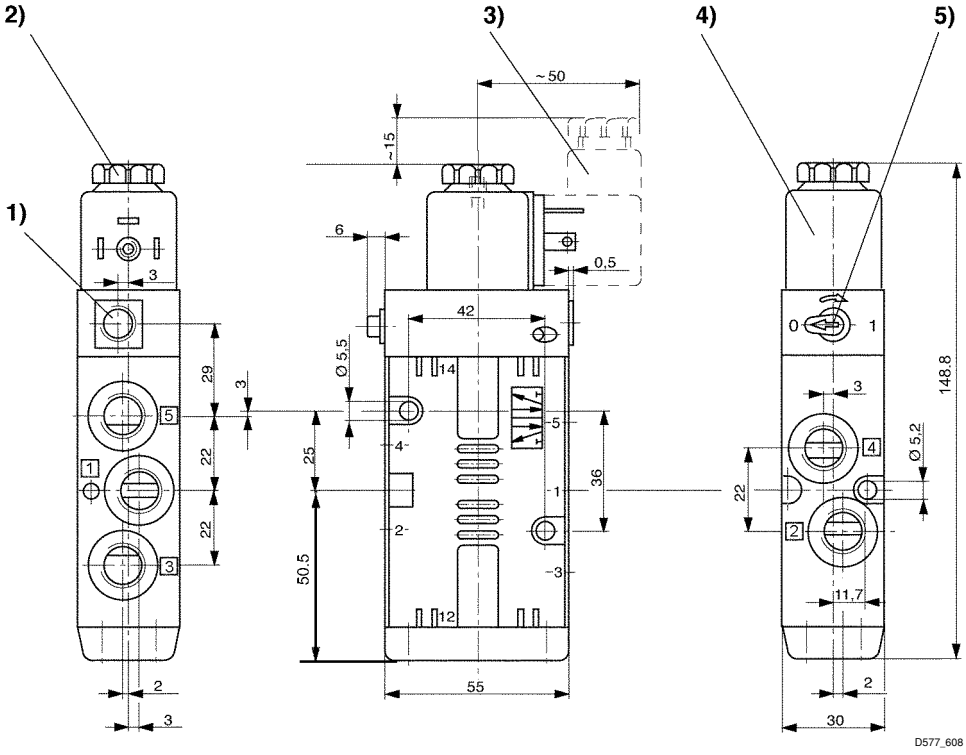
Part No.	Compatibility index	Protection class	Weight	Note
			[kg]	
5776070220 **5776075280**	13, 14	IP 65	0.57	2)
5776080220 **5776085280**	13, 14	IP 65	0.57	3)
5776075302	13, 14	-	-	2); 4); 5)
5776085302	13, 14	-	-	3); 4); 5)
R412004093 5776070360	13, 14 14	IP 65	0.57	2); 6) 2)
5776085270	14	IP 65	0.57	3)
5776970220	14, 14	IP 65	0.57	1); 2)
5776980220	14	IP 65	0.57	2)

MO = Manual override
1) Nickel-plated armature guide (only suitable for DC variant), i.e. the base must not be equipped with AC coils.
2) Pilot: internal
3) Pilot: external
4) Basic valve without coil
5) ATEX optional
6) ATEX certified
Nominal flow Qn at 6 bar and Δp = 1 bar

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