







5/2-directional valve, Series CD07

- 5/2
- $Q_n = 1200 \text{ l/min}$
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : G 1/4
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- -40 °C cold-resistant
- Manual override : with detent
- double solenoid
- Pilot : Internal



Type	Spool valve, positive overlapping
Activation	Electrically
Pilot	Internal
Sealing principle	Soft sealing
Working pressure min./max.	3 ... 10 bar
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-40 ... 50 °C
Medium temperature min./max.	-40 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m ³
Nominal flow Q_n	1200 l/min
Nominal flow 1 ► 2	1200 l/min
Nominal flow 2 ► 3	1200 l/min
Compressed air connection	according to ISO 228-1
Pilot control exhaust	with directional pilot air exhaust
Connector standard	EN 175301-803:2006
Reverse polarity protection	Protected against polarity reversal
Compatibility index	13 14
Duty cycle	100 %
Mounting on manifold strip	P-strip PRS strip
Weight	0,75 kg

Technical data

Part No.		MO	Compressed air connection	
			Input	Output
5776840220			G 1/4	G 1/4
5776845280			G 1/4	G 1/4
5776845302			G 1/4	G 1/4

Part No.	Compressed air connection	
	Exhaust	Pilot Exhaust
5776840220	G 1/4	M5
5776845280	G 1/4	M5
5776845302	G 1/4	M5

Part No.	Operational voltage		Operational voltage
	DC	AC 50 Hz	AC 60 Hz
5776840220	24 V	-	-
5776845280	-	230 V	230 V
5776845302	-	-	-

Part No.	Voltage tolerance	Voltage tolerance	Voltage tolerance	Power consumption
	DC	AC 50 Hz	AC 60 Hz	DC
5776840220	-10% / +10%	-	-	2,1 W
5776845280	-	-20% / +10%	-10% / +20%	-
5776845302	-	-	-	-

Part No.	Holding power	Holding power	Switch-on power	Switch-on power
	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
5776840220	-	-	-	-
5776845280	4,8 VA	4,1 VA	6,9 VA	5,8 VA
5776845302	-	-	-	-

Part No.	Typ. switch-on time	Typ. switch-off time	Protection class	basic valve with electrical connector
			with connection	
5776840220	21 ms	21 ms	IP65	-
5776845280	21 ms	21 ms	IP65	-
5776845302	-	-	-	Basic valve without coil

Part No.	ATEX
5776840220	-
5776845280	-
5776845302	ATEX optional

Nominal flow Q_n at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

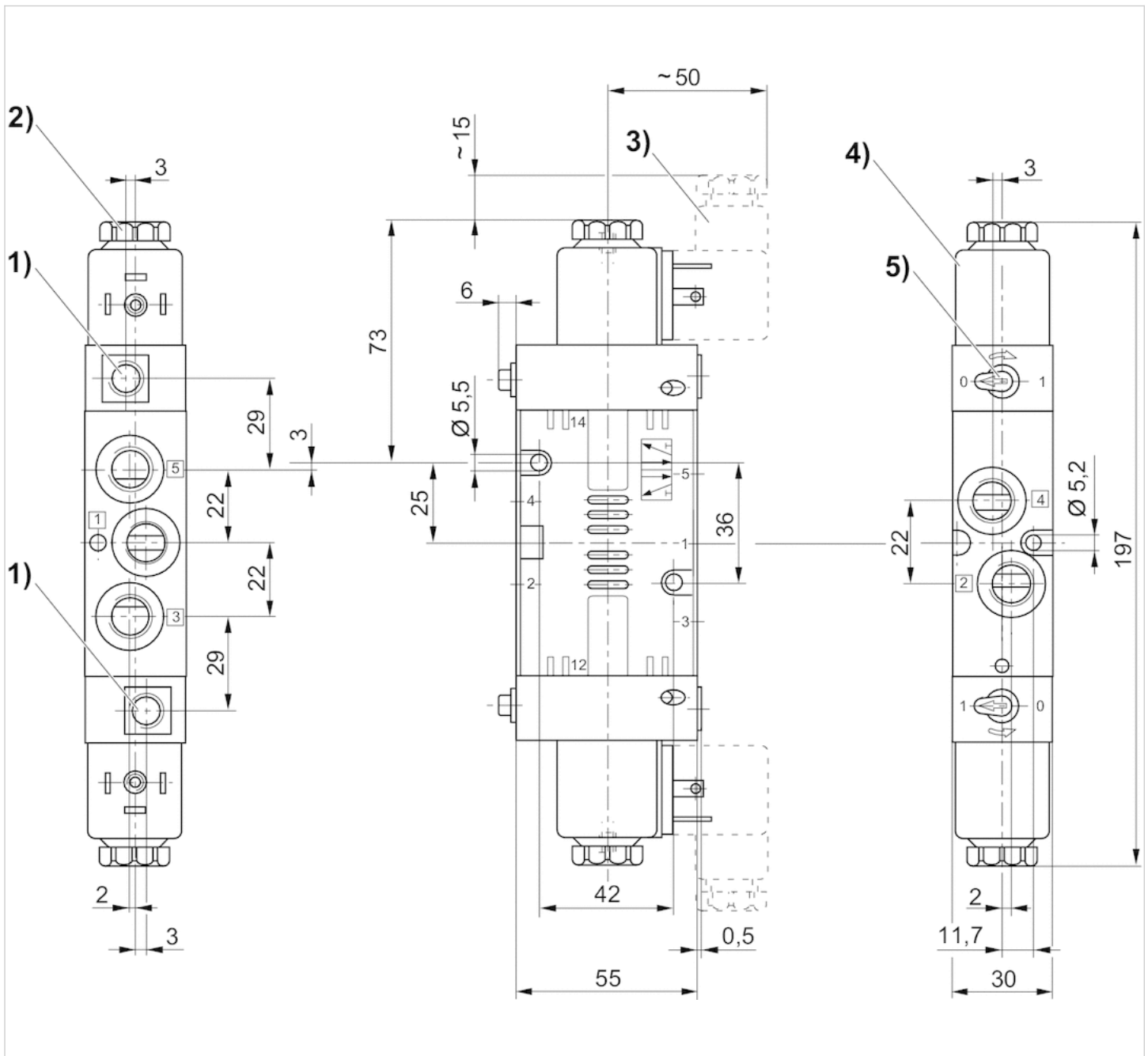
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc Polyamide fiber-glass reinforced Die cast zinc Polyarylamide, fiber-glass reinforced
Seals	Polyurethane

Dimensions

Dimensions, Fig. 1



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector 4) Coil can be plugged at 45° intervals 5) Manual override

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