5/2-directional valve, Series CD07

- 5/2
- Qn = 1200 l/min
- Pilot valve width : 30 mm
- Pipe connection
- Compressed air connection output : M14x1,5
- Electrical connection : Plug, EN 175301-803, form A, 3-pin
- -25 °C cold-resistant
- Manual override : with detent
- double solenoid
- Pilot : Internal External

Type	Spool valve, positive overlapping
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-25 ... 50 °C
Medium temperature min./max.	-25 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 1 mg/m³
Nominal flow Qn	1200 l/min
Nominal flow 1 ▸ 2	1200 l/min
Nominal flow 2 ▸ 3	1200 l/min
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	Compressed air connection
			Input	Output
5776220220			M14x1,5	M14x1,5
5776225280			M14x1,5	M14x1,5
5776225302			M14x1,5	M14x1,5
5776230220			M14x1,5	M14x1,5
5776235280			M14x1,5	M14x1,5
5776235302			M14x1,5	M14x1,5

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot Input
5776220220	M14x1,5	-
5776225280	M14x1,5	-
5776225302	M14x1,5	-
5776230220	M14x1,5	G 1/8
5776235280	M14x1,5	G 1/8
5776235302	M14x1,5	G 1/8

Part No.	Compressed air connection	Operational voltage	Operational voltage
	Pilot Exhaust	DC	AC 50 Hz
5776220220	M5	24 V	-
5776225280	M5	-	230 V
5776225302	M5	-	-
5776230220	M5	24 V	-
5776235280	M5	-	230 V
5776235302	M5	-	-

Part No.	Operational voltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5776220220	-	-10% / +10%	-	-
5776225280	230 V	-	-20% / +10%	-10% / +20%
5776225302	-	-	-	-
5776230220	-	-10% / +10%	-	-
5776235280	230 V	-	-20% / +10%	-10% / +20%
5776235302	-	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5776220220	2,1 W	-	-	-
5776225280	-	4,8 VA	4,1 VA	6,9 VA
5776225302	-	-	-	-
5776230220	2,1 W	-	-	-
5776235280	-	4,8 VA	4,1 VA	6,9 VA
5776235302	-	-	-	-

Part No.	Switch-on power AC 60 Hz	Pilot	Working pressure min./max.	Typ. switch-on time	Typ. switch-off time
5776220220	-	Internal	2 ... 10 bar	21 ms	21 ms
5776225280	5,8 VA	Internal	2 ... 10 bar	21 ms	21 ms
5776225302	-	Internal	2 ... 10 bar	-	-
5776230220	-	External	-0,95 ... 10 bar	21 ms	21 ms
5776235280	5,8 VA	External	-0,95 ... 10 bar	21 ms	21 ms
5776235302	-	External	-0,95 ... 10 bar	-	-

Part No.	Protection class with connection	basic valve with electrical connector	ATEX
5776220220	IP65	-	-
5776225280	IP65	-	-
5776225302	-	Basic valve without coil	ATEX optional
5776230220	IP65	-	-
5776235280	IP65	-	-
5776235302	-	Basic valve without coil	ATEX optional

Nominal flow Qn 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).

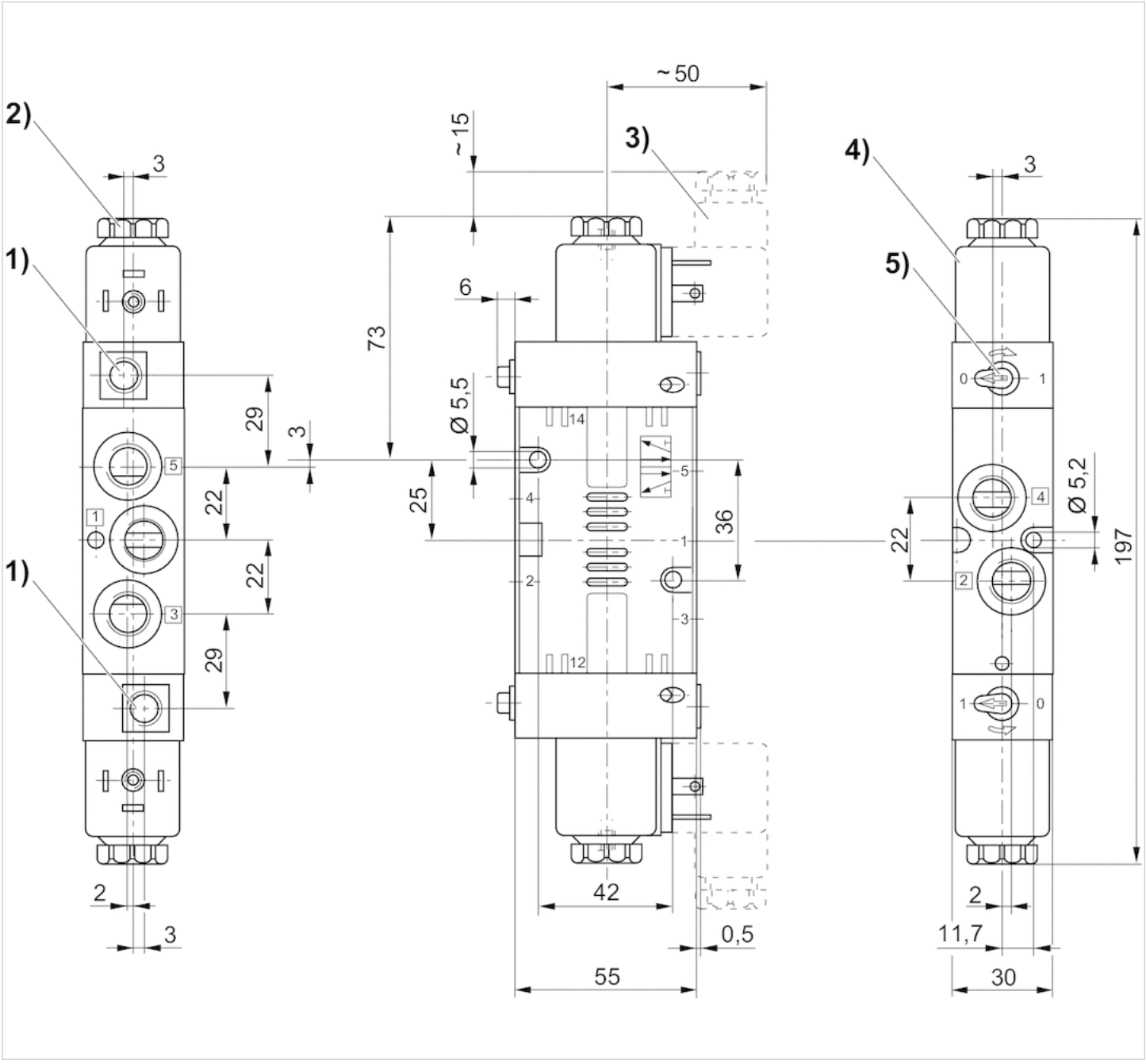
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

Material	
Housing	Die cast zinc Polyamide fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions, Fig. 1



1) Only with separate pilot control G 1/8 2) After removal of cap M5 internal thread 3) Valve plug connector4) Coil can be plugged at 45° intervals 5) Manual override

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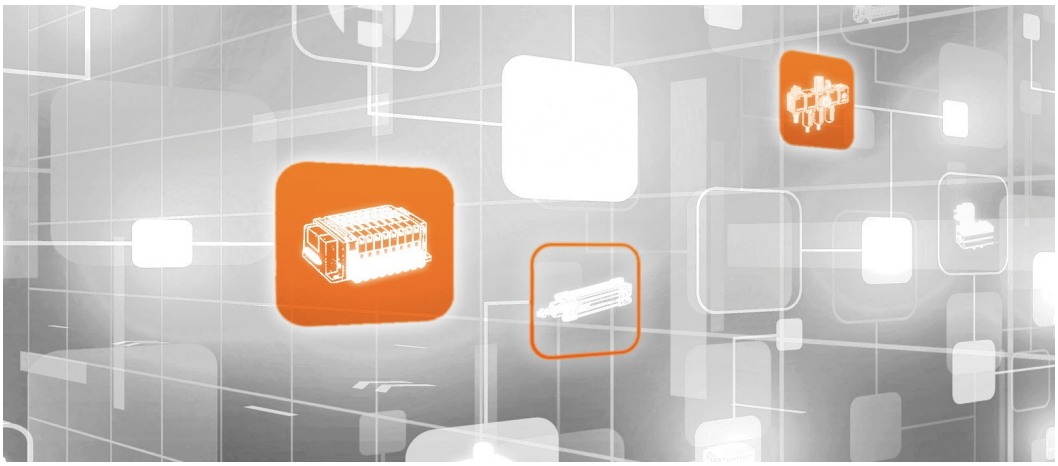

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