

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
- single solenoid
- With spring return
- 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.	3 ... 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	See table below

Technical data

Part No.		MO	Compressed air connection	
			Input	Output
5776020220			M14x1,5	M14x1,5
5776025270			M14x1,5	M14x1,5
5776025280			M14x1,5	M14x1,5
5776025302			M14x1,5	M14x1,5
5776030220			M14x1,5	M14x1,5
5776035280			M14x1,5	M14x1,5
5776035302			M14x1,5	M14x1,5

Part No.	Compressed air connection	
	Exhaust	Pilot Input
5776020220	M14x1,5	-
5776025270	M14x1,5	-
5776025280	M14x1,5	-
5776025302	M14x1,5	-
5776030220	M14x1,5	G 1/8
5776035280	M14x1,5	G 1/8
5776035302	M14x1,5	G 1/8

Part No.	Compressed air connection		Operational voltage	
	Pilot Exhaust		DC	AC 50 Hz
5776020220	M5		24 V	-
5776025270	M5		-	110 V
5776025280	M5		-	230 V
5776025302	M5		-	-
5776030220	M5		24 V	-
5776035280	M5		-	230 V
5776035302	M5		-	-

Part No.	Operational voltage	Voltage tolerance		
		DC	AC 50 Hz	AC 60 Hz
5776020220	-	-10% / +10%	-	-
5776025270	110 V	-	-20% / +10%	-10% / +20%
5776025280	230 V	-	-20% / +10%	-10% / +20%
5776025302	-	-	-	-
5776030220	-	-10% / +10%	-	-
5776035280	230 V	-	-20% / +10%	-10% / +20%
5776035302	-	-	-	-

Part No.	Power consumption		Holding power		Switch-on power
	DC		AC 50 Hz	AC 60 Hz	AC 50 Hz
5776020220	2,1 W		-	-	-
5776025270	-		4,3 VA	3,3 VA	6,8 VA
5776025280	-		4,8 VA	4,1 VA	6,9 VA
5776025302	-		-	-	-
5776030220	2,1 W		-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5776035280	-	4,8 VA	4,1 VA	6,9 VA
5776035302	-	-	-	-

Part No.	Switch-on power	Pilot	Working pressure min./max.	Typ. switch-on time	Typ. switch-off time
	AC 60 Hz				
5776020220	-	Internal	3 ... 10 bar	25 ms	45 ms
5776025270	5,7 VA	Internal	3 ... 10 bar	25 ms	45 ms
5776025280	5,8 VA	Internal	3 ... 10 bar	25 ms	45 ms
5776025302	-	Internal	3 ... 10 bar	-	-
5776030220	-	External	-0,95 ... 10 bar	25 ms	45 ms
5776035280	5,8 VA	External	-0,95 ... 10 bar	25 ms	45 ms
5776035302	-	External	-0,95 ... 10 bar	-	-

Part No.	Protection class	basic valve with electrical connector	ATEX	Weight
	with connection			
5776020220	IP65	-	-	0,57 kg
5776025270	IP65	-	-	0,57 kg
5776025280	IP65	-	-	0,57 kg
5776025302	-	Basic valve without coil	ATEX optional	-
5776030220	IP65	-	-	0,57 kg
5776035280	IP65	-	-	0,57 kg
5776035302	-	Basic valve without coil	ATEX optional	-

Nominal flow Q_n at 6 bar and $\Delta p = 1$ 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).

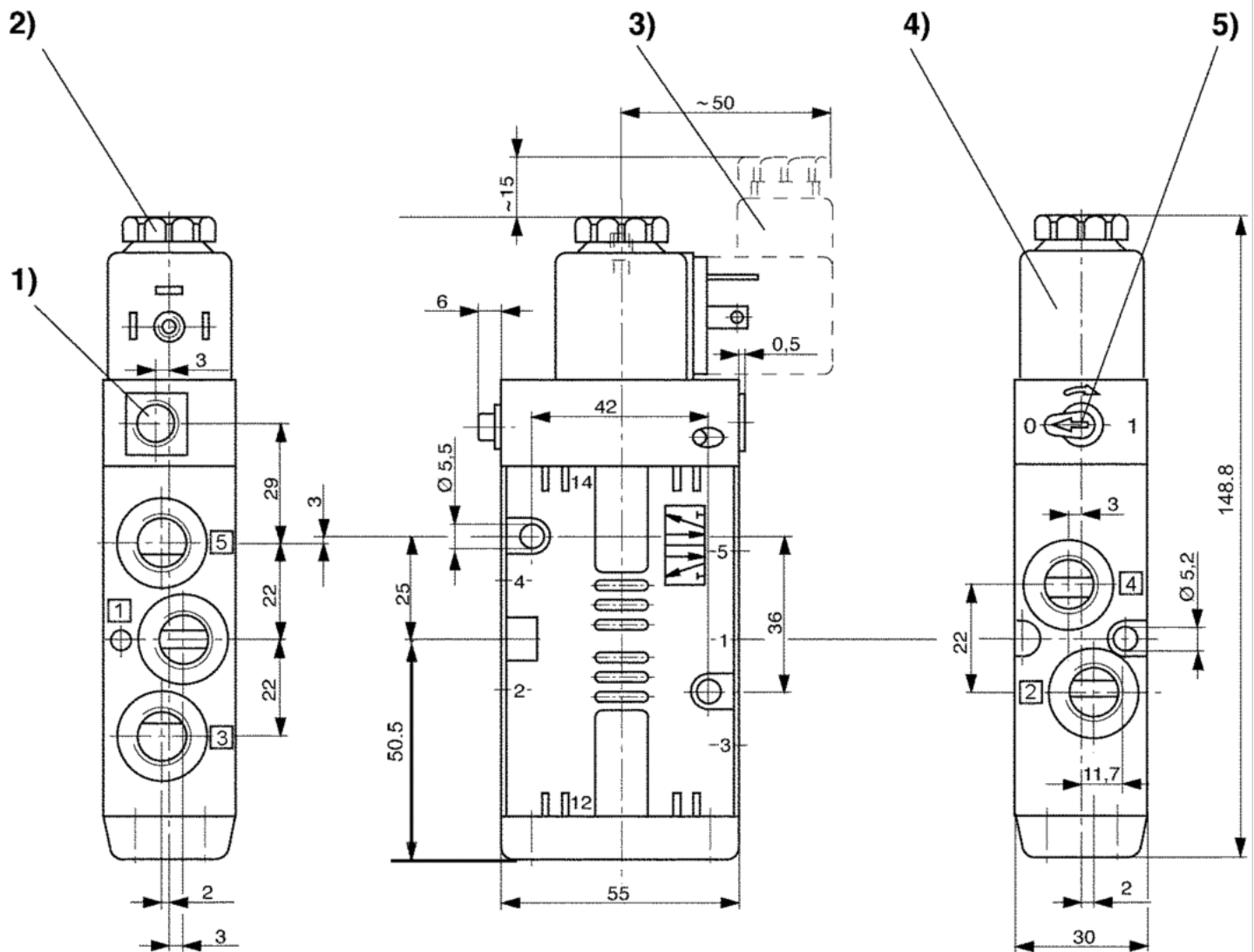
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

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

Dimensions

Dimensions



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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