

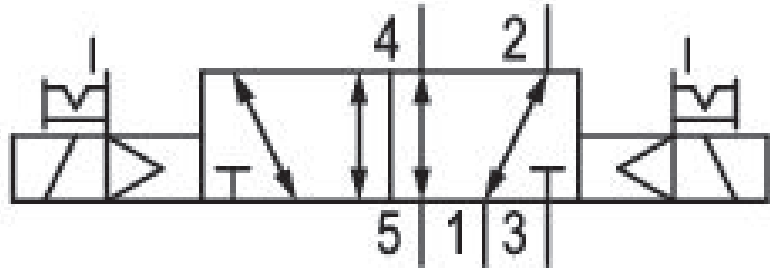
5/2-directional valve, Series CD07

5776625280

General series information

AVENTICS Series CD07 Directional valve

- The AVENTICS Series CD consists of various spool valves with an extremely durable die-cast zinc housing. Its electrical, pneumatic, or mechanical actuating controls (roller, lever, pedal, or plunger) make the Series CD ideal for applications in harsh environments.



- For demanding environments

Technical data

Industry	Industrial
Activation	Electrically
Frame size	CD07
Valve type	Spool valve, positive overlapping
Switching principle	5/2, double solenoid
Actuating control	Double Solenoid
Sealing principle	soft seal
Connection type	Pipe connection
Manual override	with detent
Compressed air connection	G 1/4
Standard compressed air connection	according to ISO 228-1
Compressed air connection input	G 1/4
Compressed air connection output	Namur base plate
Compressed air connection, exhaust	G 1/4
Pilot control exhaust	with directional pilot air exhaust
Compressed air connection pilot exhaust	M5
Nominal flow Qn	1200 l/min
Nominal flow Qn 1 to 2	1200 l/min
Nominal flow Qn 2 to 3	1200 l/min
Working pressure min.	2 bar
Working pressure max.	10 bar
Control pressure min.	2 bar

Control pressure max.	10 bar
Electrical connection type	Plug
Electrical connection size	EN 175301-803, form A
Electrical connection number of poles	3-pin
Connector standard	EN 175301-803:2006
Protection class with connection	IP65
Reverse polarity protection	Protected against polarity reversal
Operational voltage AC at 50 Hz	230 V
Voltage tolerance AC 50 Hz	-20% / +10%
Operational voltage AC at 60 Hz	230 V
Voltage tolerance AC 60 Hz	-10% / +20%
Pilot	Internal
Coil width	30 mm
Pilot valve width	30 mm
Compatibility index	13 14
Holding power AC 50 Hz	4.8 VA
Holding power AC 60 Hz	4.1 VA
Switch-on power AC 50 Hz	6.9 VA
Switch-on power AC 60 Hz	5.8 VA
Duty cycle	100 %
Typ. switch-on time	21 ms
Typ. switch-off time	21 ms
Temperature resistance	-25 °C cold-resistant
Standards	NAMUR
Min. ambient temperature	-25 °C
Max. ambient temperature	50 °C
Min. medium temperature	-25 °C
Max. medium temperature	50 °C
Medium	Compressed air
Oil content of compressed air min.	0 mg/m ³
Oil content of compressed air max.	1 mg/m ³
Max. particle size	50 µm
Weight	0.8 kg

Material

Housing material	Die cast zinc Polyamide fiber-glass reinforced
Seal material	Acrylonitrile butadiene rubber
Part No.	5776625280

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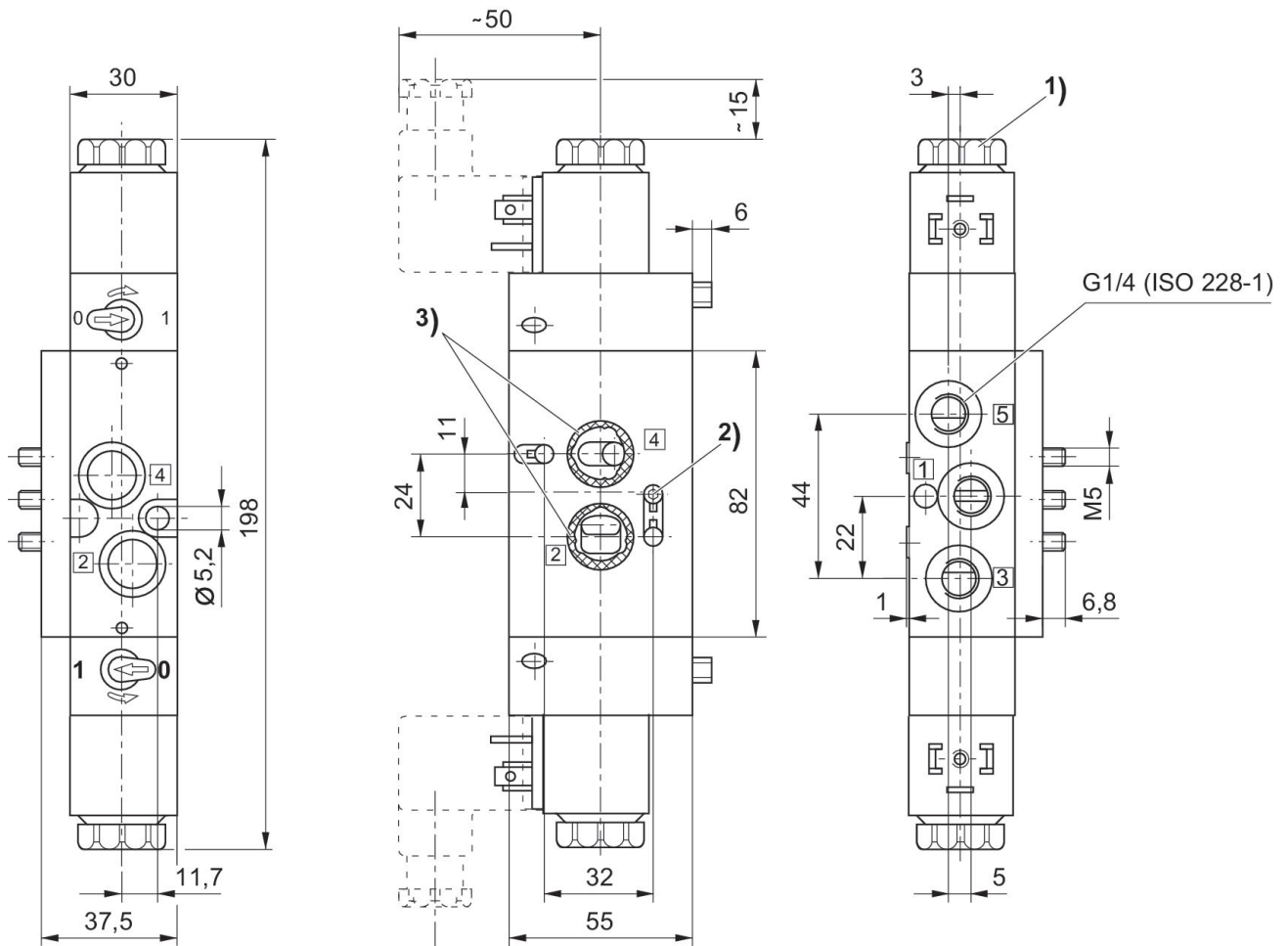
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C less than 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 <https://www.emerson.com/en-us/support>).

Dimensions



1) after removal of cap M 5 internal thread 2) threaded pin DIN 914 M5 x 20 3) O-ring 16 x 2 (included) 4) cylinder screw M5x40 (included in scope of delivery)