

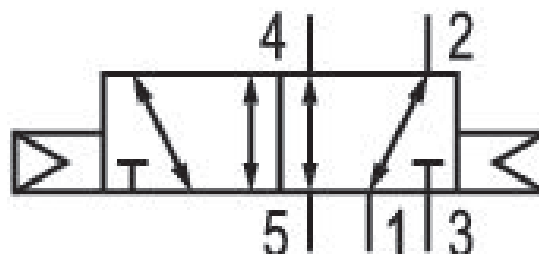
5/2-directional valve, Series CD07

5776625302

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 application in harsh environments.



- For demanding environments

Technical data

Industry

Activation

Frame size

Valve type

basic valve with electrical connector

Switching principle

Actuating control

Sealing principle

Connection type

Manual override

Industrial

Electrically

CD07

Spool valve, positive overlapping

Basic valve without coil

5/2, double solenoid

Double Solenoid

soft seal

Pipe connection

with detent

Compressed air connection

Standard compressed air connection

Compressed air connection input

Compressed air connection output

Compressed air connection, exhaust

Pilot control exhaust

Compressed air connection pilot exhaust

G 1/4

according to ISO 228-1

G 1/4

Namur base plate

G 1/4

with directional pilot air 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
Reverse polarity protection	Protected against polarity reversal
Pilot	Internal
Pilot valve width	30 mm
Compatibility index	13 14
Duty cycle	100 %
Temperature resistance	-25 °C cold-resistant
Standards	NAMUR
Certificates	ATEX optional
ATEX	ATEX optional
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

Material

Housing material	Die cast zinc Polyamide fiber-glass reinforced
Seal material	Acrylonitrile butadiene rubber
Part No.	5776625302

Technical information

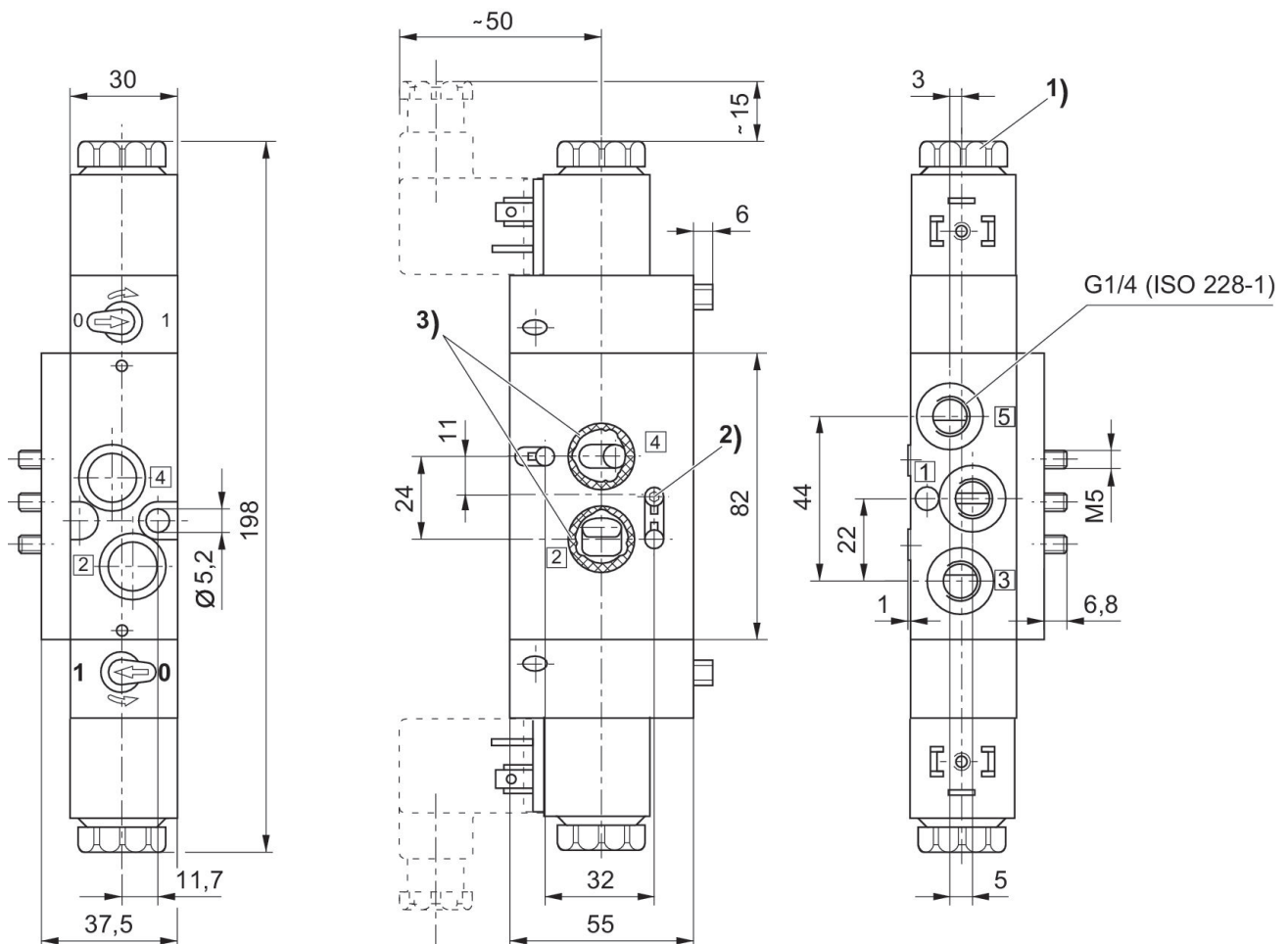
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C 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)