

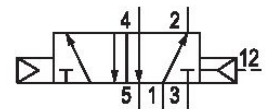
5725405202

2025-12-10

AVENTICS

5860N
TYPE 5712490
P 2-1
S&S
G1/2" NPT
1/2" NPT
1/2" NPT
1/2" NPT

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Industry	Industrial
Activation	Electrically
Valve type	Spool valve, positive overlapping
Basic valve equipment	Basic valve without pilot valve
Switching principle	5/2, with air spring return
Sealing principle	Soft seal
Connection type	Pipe connection
Compressed air connection type	Internal thread
Compressed air connection input	M22x1,5
Compressed air connection output	M22x1,5
Compressed air connection, exhaust	M22x1,5
Pilot control exhaust	with directional pilot air exhaust
Nominal flow Qn	4100 l/min
Min. working pressure	2 bar
Max. working pressure	16 bar
Min. control pressure	2 bar

5/2-directional valve, Series CD12, single solenoid

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Max. control pressure	16 bar
Electrical connection type	Plug
Electrical connection size	EN 175301-803, form A
Electrical connection number of poles	3-pin

Pilot	Internal
Coil width	30 mm
Pilot valve width	30 mm

Duty cycle	100 %
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Temperature resistance	-25 °C cold-resistant
ATEX	ATEX optional
Min. ambient temperature	-25 °C
Max. ambient temperature	70 °C
Min. medium temperature	-25 °C
Max. medium temperature	70 °C
Medium	Compressed air
Min. oil content of compressed air	0 mg/m ³
Max. oil content of compressed air	1 mg/m ³
Max. particle size	50 µm

Weight	0.84 kg
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Material

Housing material	Aluminum Polyamide, fiber-glass reinforced
Seal material	Acrylonitrile butadiene rubber Polyurethane

Part No.	5725405202
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Technical information

*Note: Basic valves feature a maximum working pressure of 16 bar. When combined with standard CNOMO pilots, the maximum working pressure is 10 bar.

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>).

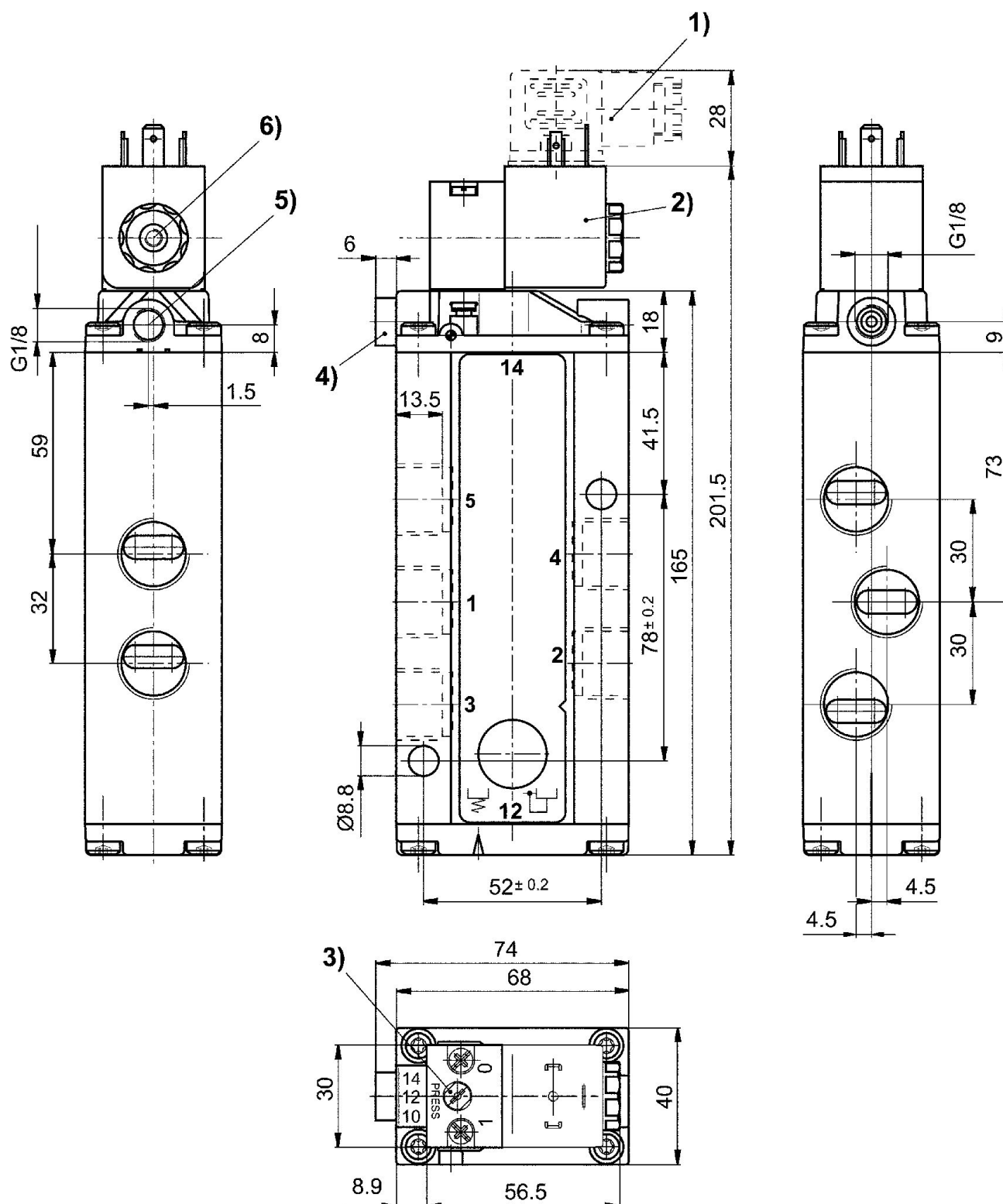
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Dimensions



- 1) Valve plug connector 2) Coil can be rotated at 90° intervals 3) Manual override
4) Port X (only for externally piloted valves) 5) Exhaust port of piston 6) Pilot valve exhaust, M5