

5/3-directional valve, Series CD12, Double Air Pilot

R414002380

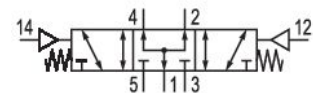
Series
CD12

2025-12-10

Series CD12

$Q_n = 3600 \dots 4100 \text{ l/min}$

- Durable design
- Assembly on base plate
- Suitable for extreme ambient temperatures
- Resistant to voltage fluctuations
- ATEX version available



Technical data

Industry

Activation

Valve type

Switching principle

Valve function

Sealing principle

Connection type

Industrial

Pneumatically

Spool valve, positive overlapping

5/3, pressurized center

Pressurized Center

Soft seal

Pipe connection

Standard compressed air connection

Compressed air connection input

Compressed air connection output

Compressed air connection, exhaust

Compressed air connection pilot input

according to ISO 228-1

G 1/2

G 1/2

G 1/2

G 1/8

Nominal flow Q_n 1 to 2

4100 l/min

Nominal flow Q_n 2 to 3

3800 l/min

Min. working pressure

-0.95 bar

Max. working pressure

16 bar

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Min. control pressure	3 bar
Max. control pressure	10 bar
ATEX	Suitable for ATEX
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	0.95 kg

Material

Housing material	Aluminum Polyamide, fiber-glass reinforced
Seal material	Acrylonitrile butadiene rubber Polyurethane
Part No.	R414002380

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>).

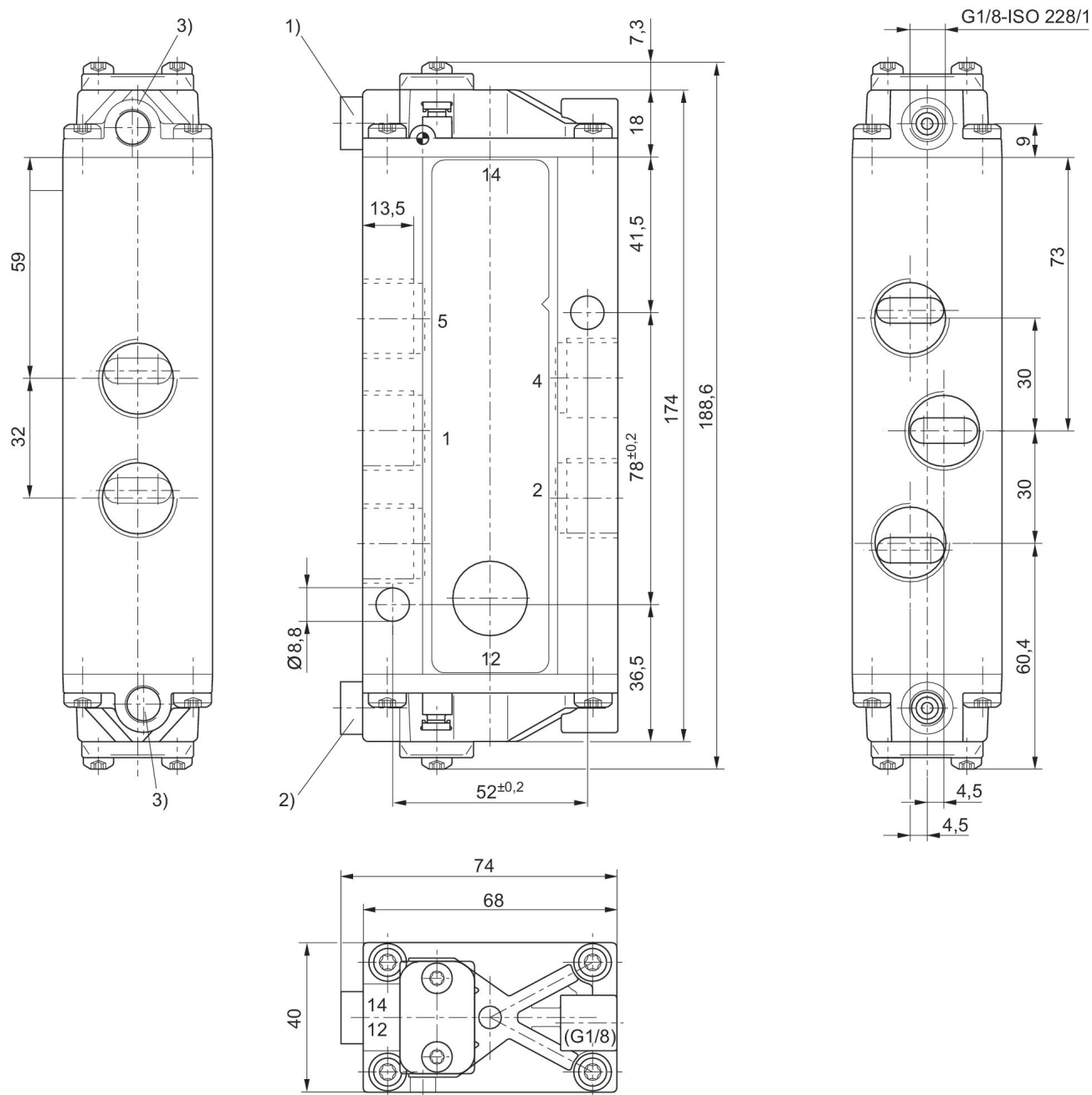
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Dimensions



1) Port 14 2) Port 12 3) Port without function