

5/2-directional valve, Series HF04

0820062002

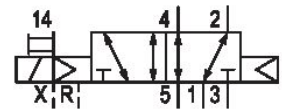
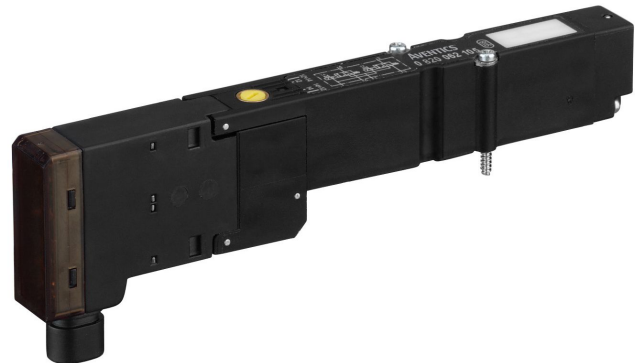
Series
HF04

2025-10-23

Series HF04

The AVENTICS Series HF04/HF04-XF are universal and flexible valve systems, which offer numerous electrical connection possibilities and pneumatic functions.

- Series HF04 with up to 24 valves and 24 coils
- Series HF04-XF with up to 32 valves and 32 coils
- Series HF04-XF the working ports are rotatable
- High connectivity through Multipol or Fieldbus connection



Technical data

Industry

Activation

Valve type

Switching principle

Actuating control

Sealing principle

Connection type

Manual override

Industrial

Electrically

Spool valve, positive overlapping

5/2, with air spring return

Single Solenoid

Soft seal

Plate connection

without detent

Nominal flow Q_n

400 l/min

Min. working pressure

-0.9 bar

Max. working pressure

10 bar

Min. control pressure

3 bar

Max. control pressure

8 bar

Protection class with connection

IP65

Protective circuit

Z-diode

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Reverse polarity protection	Protected against polarity reversal
Operational voltage	24 V DC
Operational voltage DC	24 V
Voltage tolerance DC	-10 % / +10 %
Pilot	External Internal
Pilot valve width	10 mm
LED status display	Yellow
Power consumption DC	0.55 W
Duty cycle	100 %
Typ. switch-on time	16 ms
Typ. switch-off time	18 ms
Blocking principle	Double base plate principle
Min. ambient temperature	-5 °C
Max. ambient temperature	50 °C
Min. medium temperature	0 °C
Max. medium temperature	50 °C
Medium	Compressed air
Min. oil content of compressed air	0 mg/m ³
Max. oil content of compressed air	5 mg/m ³
Max. particle size	5 µm
Mounting screws	cross recessed DIN EN ISO 4757-Z0
Mounting screw tightening torque	0.25 Nm
Weight	0.048 kg

Material

Housing material	Polyamide
Seal material	Acrylonitrile butadiene rubber Polyurethane

Part No.	0820062002
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Technical information

The pilot type (external/internal) is not implemented in the valve, but in the end plate of the valve system.

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>).

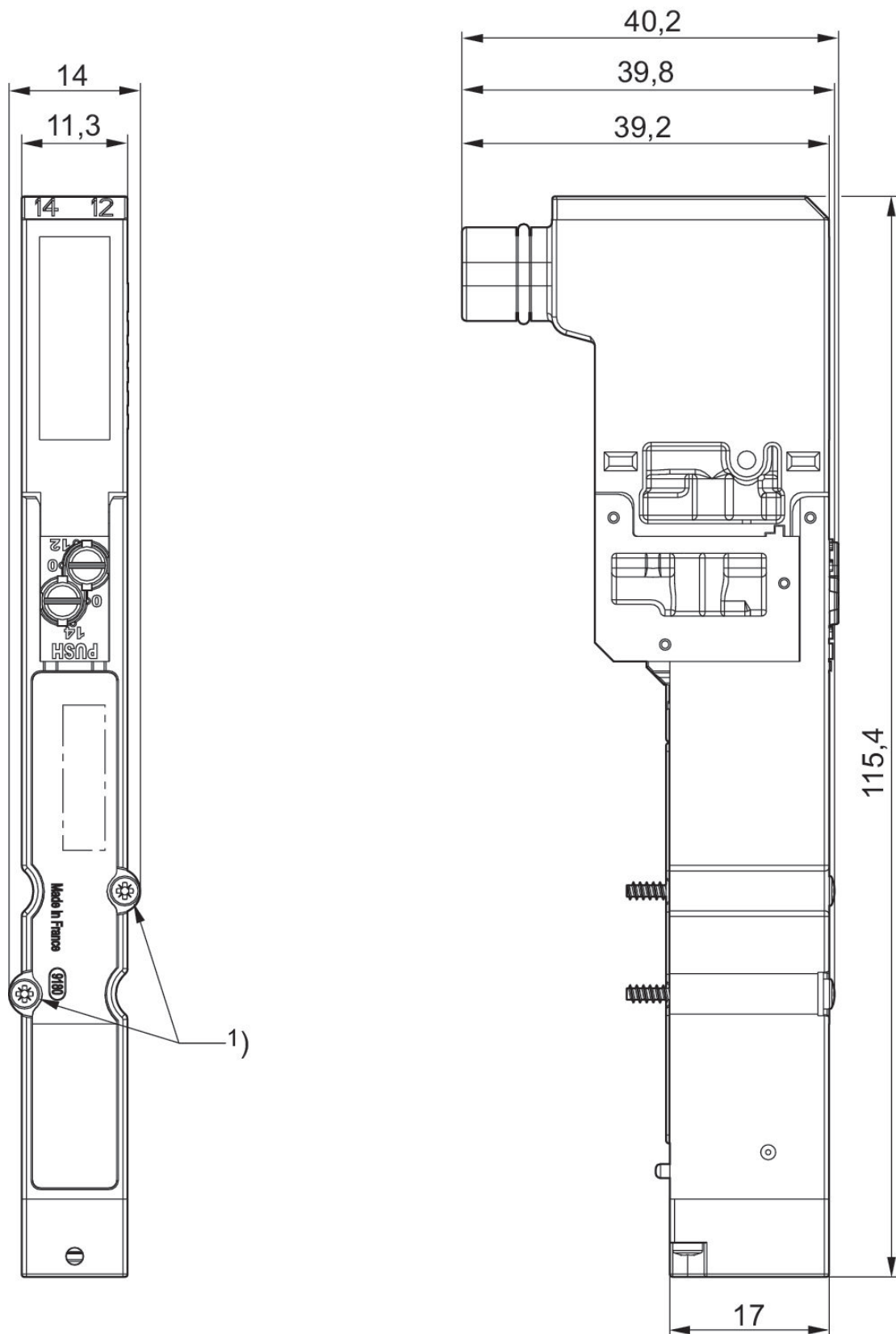
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Dimensions



1) Mounting screw: X-slot DIN EN ISO 4757-Z0 tightening torque for mounting screw [Nm]: 0.25