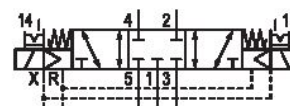


Series HF04

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



Technical data

Industry

Activation

Note

Valve type

Valve function

Sealing principle

Connection type

Manual override

Industrial

Electrically

Archive product: Do not use in new constructions!

Spool valve, positive overlapping

Closed Center

Soft seal

Plate connection

with detent

Nominal flow Q_n

400 l/min

Min. working pressure

-0.9 bar

Max. working pressure

8 bar

Min. control pressure

3 bar

Max. control pressure

8 bar

Protection class with connection

IP65

5/3-directional valve, Series HF04

2024-04-03

R422000414

Protective circuit	Z-diode
Reverse polarity protection	Protected against polarity reversal
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	0.35 W
Duty cycle	100 %
Typ. switch-on time	25 ms
Typ. switch-off time	25 ms
Blocking principle	Double base plate principle
ATEX	ATEX
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	1 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.	R422000414

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>).

5/3-directional valve, Series HF04

R422000414

2024-04-03

Dimensions

