

5/2-directional valve, Series 581, size 3

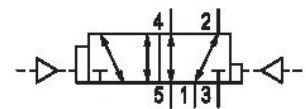
5813630000

581, size 3

2023-12-18

ISO 5599-1, series 581, size 3

Qn = 1400 l/min



Technical data

Industry
Activation
Switching principle
Connection type
Nominal flow Qn
Compressed air connection output
Min. working pressure
Max. working pressure
Sealing principle
Standards
Valve type
Version
Can be assembled into blocks
Blocking principle
Min. control pressure
Max. control pressure
Min. ambient temperature
Max. ambient temperature
Min. medium temperature
Max. medium temperature
Medium
Max. particle size
Min. oil content of compressed air
Max. oil content of compressed air

Industrial
Pneumatically
5/2, with air spring return
Plate connection
4800 l/min
Base plate ISO 5599-1
-0.95 bar
16 bar
Soft seal
ISO 5599-1
Spool valve
ISO 3
Can be assembled into blocks
Single base plate principle
1.5 bar
16 bar
-20 °C
70 °C
-20 °C
70 °C
Compressed air
50 µm
0 mg/m³
5 mg/m³

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Compressed air connection input	Base plate ISO 5599-1
Flow conductance C	18.9 l/(s*bar)
Mounting screw	with hexagon socket
Mounting screw tightening torque	10 Nm
Weight	0.85 kg
Housing material	Aluminum
Seal material	Acrylonitrile butadiene rubber
Part No.	5813630000

Technical information

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

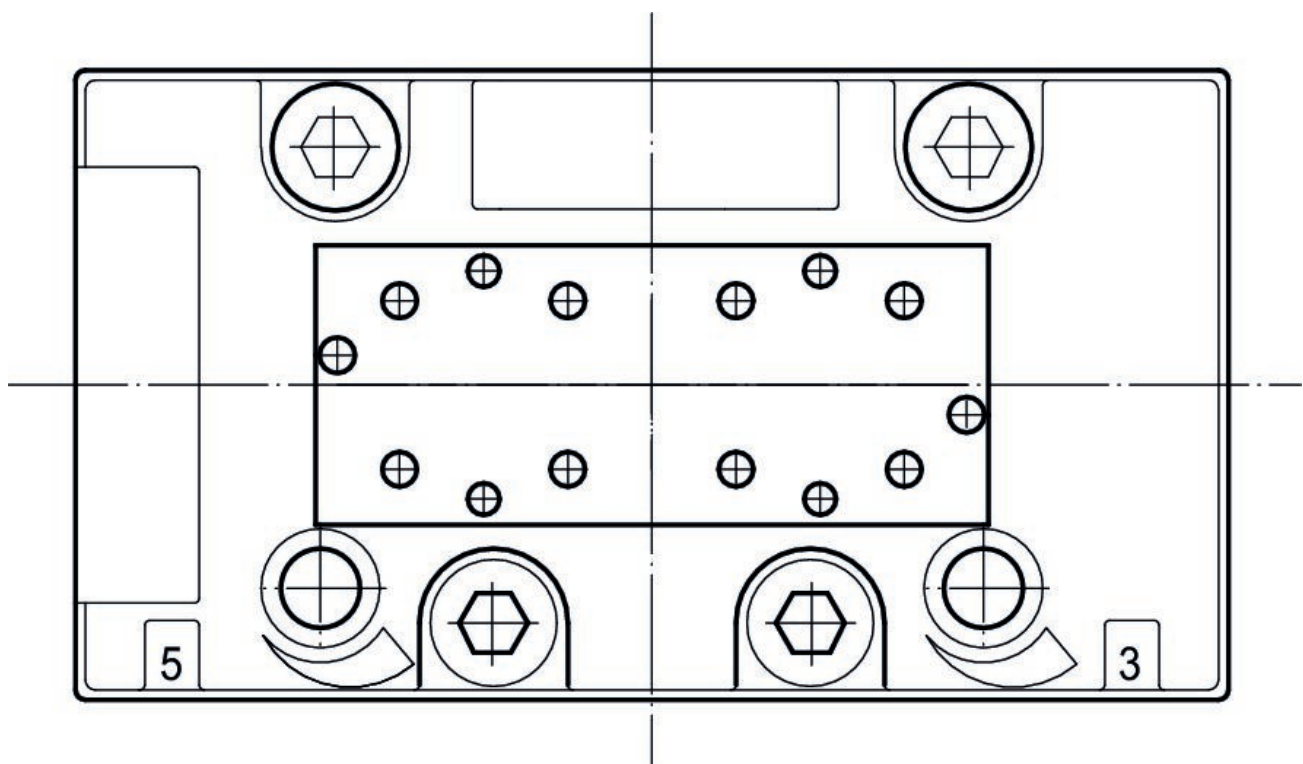
The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

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>).

Fig. 1

Hole pattern for logic modules



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Dimensions

