

5/2-directional valve, Series 581, size 4, Double Air Pilot

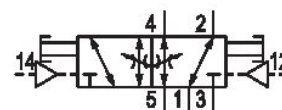
5814331000

581 ISO 4

2025-12-18

ISO 5599-1, size 4, series 581

Q_n = 1400 l/min



Technical data

Industry

Activation

Switching principle

Connection type

Nominal flow Q_n

Compressed air connection output

Min. working pressure

Max. working pressure

Manual override

Sealing principle

Standards

Valve type

Version

Throttle

Can be assembled into blocks

Blocking principle

Min. control pressure

Max. control pressure

Min. ambient temperature

Industrial

Pneumatically

5/2

Plate connection

6000 l/min

Base plate ISO 5599-1

-0.95 bar

16 bar

with detent

Soft seal

ISO 5599-1

Spool valve

ISO 4

with throttle

Can be assembled into blocks

Single base plate principle

1.5 bar

16 bar

-20 °C

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Max. ambient temperature	70 °C
Min. medium temperature	-20 °C
Max. medium temperature	70 °C
Medium	Compressed air
Max. particle size	50 µm
Min. oil content of compressed air	0 mg/m ³
Max. oil content of compressed air	5 mg/m ³
Compressed air connection input	Base plate ISO 5599-1
Flow conductance C	24.5 l/(s*bar)
Mounting screw	with hexagon socket
Mounting screw tightening torque	10 Nm
Weight	1.28 kg
Housing material	Aluminum
Seal material	Acrylonitrile butadiene rubber
Part No.	5814331000

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>).

Dimensions

