

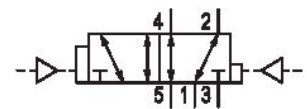
# 5/2-directional valve, Series 581, size 2, Single Air Pilot

5812630000

2025-10-16

## ISO 5599-1, size 2, series 581

Q<sub>n</sub> = 1400 l/min



## Technical data

Industry

Activation

Switching principle

Connection type

Nominal flow Q<sub>n</sub>

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

Industrial

Pneumatically

5/2, with air spring return

Plate connection

2700 l/min

Base plate ISO 5599-1

-0.95 bar

16 bar

Soft seal

ISO 5599-1

Spool valve

ISO 2

Can be assembled into blocks

Single base plate principle

2.7 bar

16 bar

-20 °C

70 °C

-20 °C

# 5/2-directional valve, Series 581, size 2, Single Air Pilot

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|                                    |                                |
|------------------------------------|--------------------------------|
| Max. medium temperature            | 70 °C                          |
| Medium                             | Compressed air                 |
| Max. particle size                 | 50 µm                          |
| Min. oil content of compressed air | 0 mg/m <sup>3</sup>            |
| Max. oil content of compressed air | 5 mg/m <sup>3</sup>            |
| Compressed air connection input    | Base plate ISO 5599-1          |
| Flow conductance C                 | 11.8 l/(s*bar)                 |
| Mounting screw                     | with hexagon socket            |
| Mounting screw tightening torque   | 3.5 Nm                         |
| Weight                             | 0.42 kg                        |
| Housing material                   | Aluminum                       |
| Seal material                      | Acrylonitrile butadiene rubber |
| Part No.                           | 5812630000                     |

## 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

