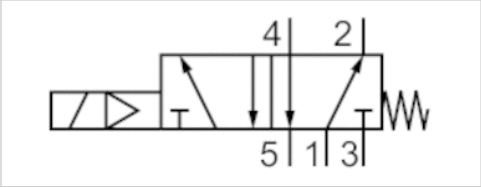
# 5/2-directional valve, Series 581, size 2

- ISO 5599-1
- ISO 2
- 5/2
- Basic valve for CNOMO pilot valve
- With spring return
- single solenoid
- Qn = 2700 l/min
- Compressed air connection output Base plate ISO 5599-1




| | |
|---|---|
| Type | Spool valve |
| basic valve with electrical connector | Basic valve without pilot valve |
| Pilot | External Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Single base plate principle |
| Connection type | Plate connection |
| Standards | ISO 5599-1, ISO 2 |
| Working pressure min./max. | -0,95 ... 10 bar |
| Control pressure min./max. | 3 ... 10 bar |
| Ambient temperature min./max. | -15 ... 50 °C |
| Medium temperature min./max. | -15 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m³ |
| Nominal flow Qn | 2700 l/min |
| Flow conductance C | 10,8 l/(s*bar) |
| Protection class with connection | IP65 |
| Duty cycle | 100 % |
| Mounting screw | with hexagon socket |
| Mounting screw tightening torque | 3,5 Nm |
| Weight | 0,42 kg |

## Technical data

| Part No. |
|---|
| 5812180080 |

Nominal flow Qn at 6 bar and Δp = 1 bar, The pilot can be set by turning the seal under the valve cover by 180°., For internal pilot the working pressure min/max is the same as the control pressure min/max.

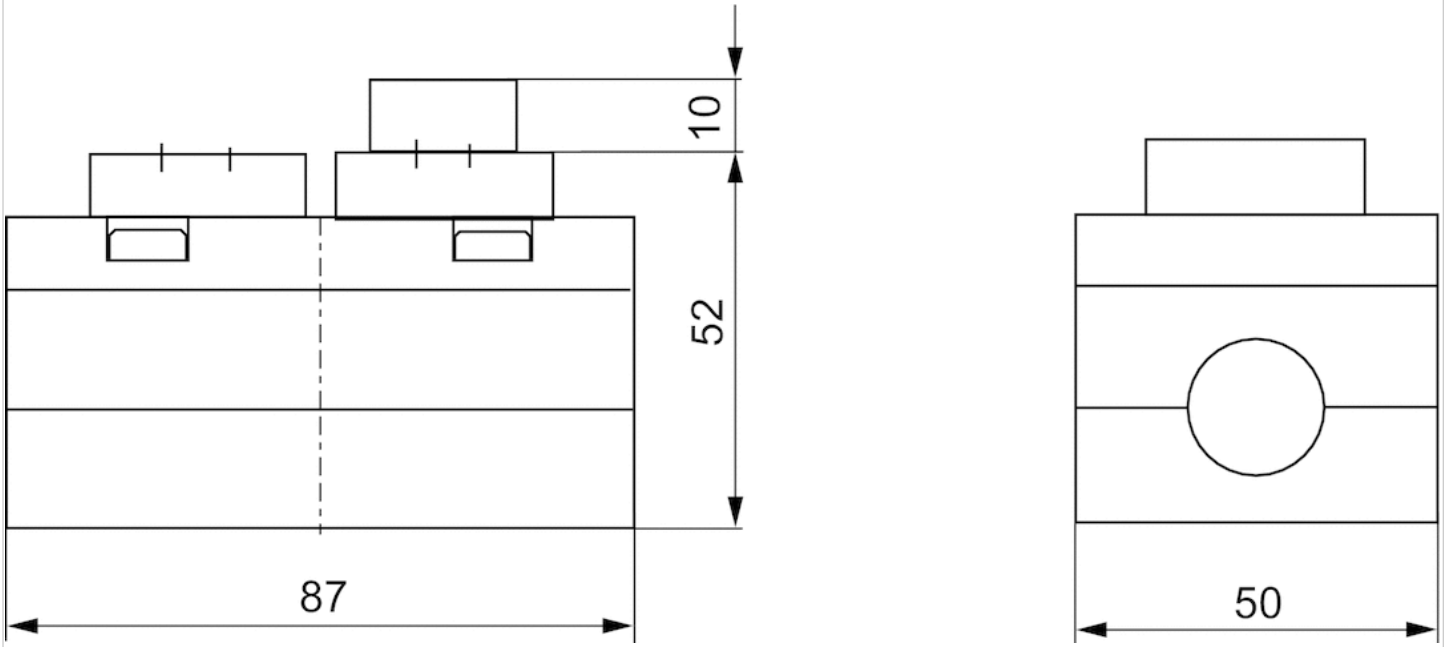
## Technical information

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 under 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 the MediaCentre).

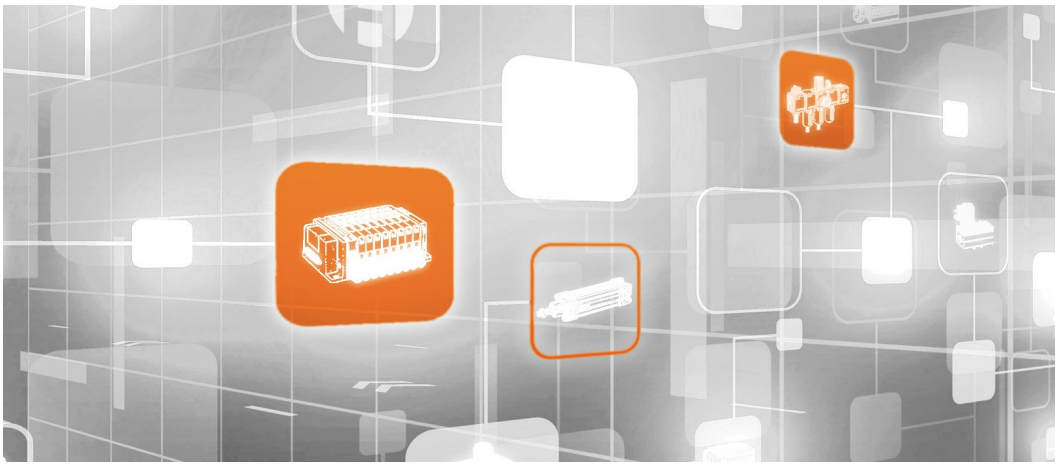
## Technical information

| | |
|---|---|
| Housing | Polyarylamide |
| Seals | Acrylonitrile butadiene rubber |

## Dimensions



# Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



Visit us: Emerson.com/Aventics

Your local contact: Emerson.com/contactus

Emerson.com

Facebook.com/EmersonAutomationSolutions

LinkedIn.com/company/Emerson-Automation-Solutions

Twitter.com/EMR_Automation


2020-12

EMERSON.

CONSIDER IT SOLVED™