









# 5/2-directional valve, Series 581, size 1

- ISO 5599-1
- ISO 1
- 5/2
- With spring return
- $Q_n = 1400$  l/min
- Compressed air connection output Base plate ISO 5599-1
- Electrical connection Plug, EN 175301-803, form A
- Manual override without detent



Version	Spool valve
Sealing principle	Soft sealing
Blocking principle	Single base plate principle
Connection type	Plate connection
Standards	ISO 5599-1, ISO 1
Working pressure min./max.	See table below
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/m <sup>3</sup>
Nominal flow $Q_n$	1400 l/min
Flow conductance C	5,2 l/(s*bar)
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	15 ms
Typ. switch-off time	28 ms
Mounting screw	with hexagon socket
Mounting screw tightening torque	2 Nm
Weight	0,39 kg

## Technical data

Part No.		MO	Operational voltage DC	Voltage tolerance DC	Power consumption DC
5811170190			24 V	-10% / +10%	6 W
5811171190			24 V	-10% / +10%	6 W
5811172190			24 V	-10% / +10%	6 W
5811173190			24 V	-10% / +10%	6 W

Part No.	Pilot	Working pressure min./max.	Electrical connection Pilot valve	Throttle
5811170190	internal	3 ... 10 bar	Plug EN 175301-803, form A	-
5811171190	internal	3 ... 10 bar	Plug EN 175301-803, form A	with throttle
5811172190	external	-0,95 ... 10 bar	Plug EN 175301-803, form A	-
5811173190	external	-0,95 ... 10 bar	Plug EN 175301-803, form A	with throttle

Nominal flow Qn at 6 bar and  $\Delta p = 1$  bar, MO = Manual override

## 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	Aluminum
Seals	Acrylonitrile butadiene rubber

## Dimensions

### Dimensions

