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

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



Type	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/m³
Nominal flow Qn	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
5811170190			24 V	-10% / +10%
5811171190			24 V	-10% / +10%
5811172190			24 V	-10% / +10%
5811173190			24 V	-10% / +10%

Part No.	Power consumption DC	Pilot	Working pressure min./max.
5811170190	6 W	Internal	3 ... 10 bar
5811171190	6 W	Internal	3 ... 10 bar
5811172190	6 W	External	-0,95 ... 10 bar
5811173190	6 W	External	-0,95 ... 10 bar

Part No.	Electrical connection Pilot valve	Throttle
5811170190	Plug EN 175301-803, form A	-
5811171190	Plug EN 175301-803, form A	with throttle
5811172190	Plug EN 175301-803, form A	-
5811173190	Plug EN 175301-803, form A	with throttle

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

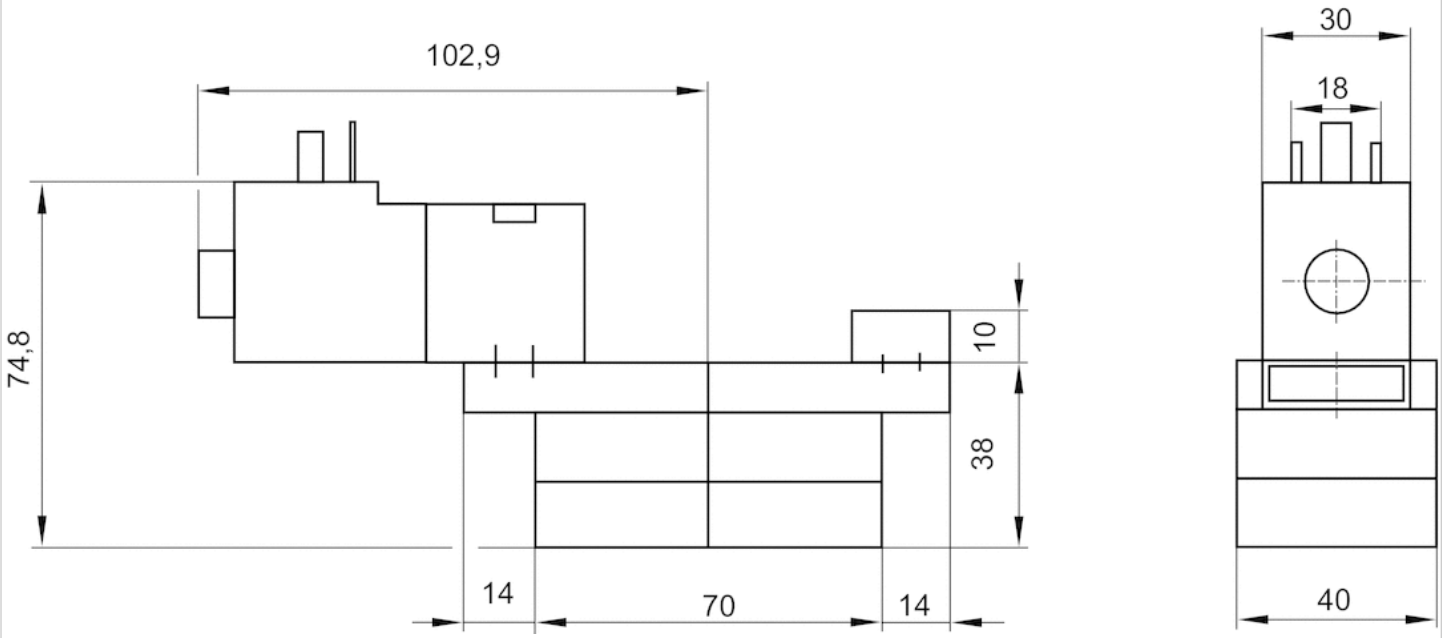
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

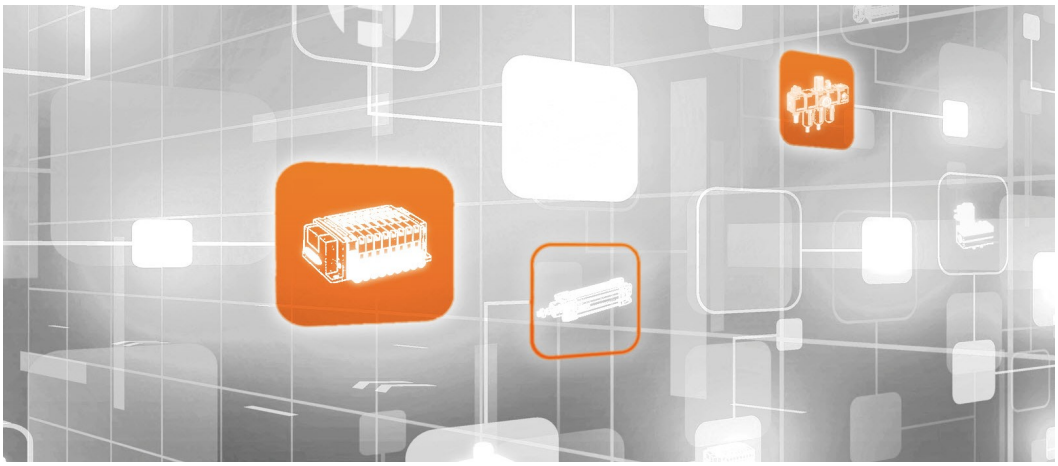
Housing	Aluminum
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



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



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