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

- ISO 5599-1
- ISO 1
- 5/2
- With spring return
- single 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



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 ... 16 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	0,35 kg

Technical data

Part No.		Operational voltage DC	Operational voltage AC 50 Hz	Voltage tolerance DC
5811170530		24 V	-	-10% / +10%
5811170430		-	230 V	-
5811171530		24 V	-	-10% / +10%
5811171430		-	230 V	-
5811172530		24 V	-	-10% / +10%
5811172430		-	230 V	-
5811173530		24 V	-	-10% / +10%
5811173430		-	230 V	-

Part No.	Voltage tolerance AC 50 Hz	Power consumption DC	Holding power AC 50 Hz	Switch-on power AC 50 Hz
5811170530	-	6,7 W	-	-
5811170430	-10% / +10%	-	10,8 VA	15,2 VA
5811171530	-	6,7 W	-	-
5811171430	-10% / +10%	-	10,8 VA	15,2 VA
5811172530	-	6,7 W	-	-
5811172430	-10% / +10%	-	10,8 VA	15,2 VA
5811173530	-	6,7 W	-	-
5811173430	-10% / +10%	-	10,8 VA	15,2 VA

Part No.	Pilot	Working pressure min./max.	Electrical connection Pilot valve	Throttle
5811170530	Internal	3 ... 16 bar	Plug EN 175301-803, form A	-
5811170430	Internal	3 ... 16 bar	Plug EN 175301-803, form A	-
5811171530	Internal	3 ... 16 bar	Plug EN 175301-803, form A	with throttle
5811171430	Internal	3 ... 16 bar	Plug EN 175301-803, form A	with throttle
5811172530	External	-0,95 ... 16 bar	Plug EN 175301-803, form A	-
5811172430	External	-0,95 ... 16 bar	Plug EN 175301-803, form A	-
5811173530	External	-0,95 ... 16 bar	Plug EN 175301-803, form A	with throttle
5811173430	External	-0,95 ... 16 bar	Plug EN 175301-803, form A	with throttle

Nominal flow Qn at 6 bar and Δp = 1 bar

Technical information

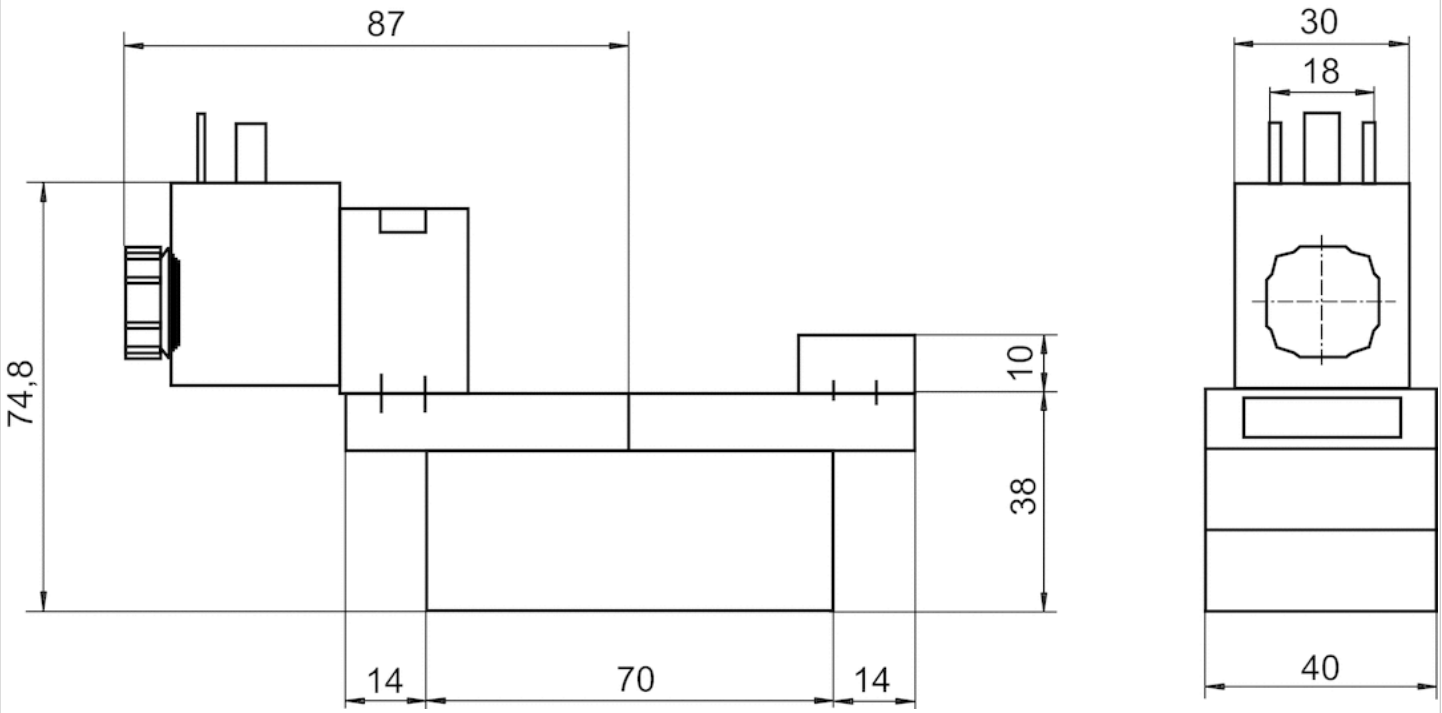
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only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

Technical information

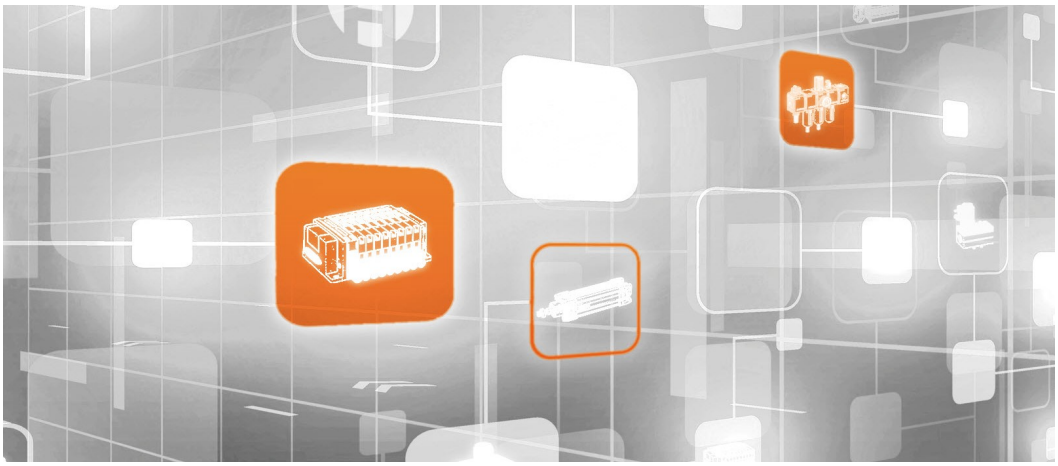
Housing	Aluminum
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



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



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