

# 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 with detent, 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
Compatibility index	14
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

[illegible]

Part No.	Switch-on power AC 50 Hz	Pilot	Working pressure min./max.	Compatibility index
5811170650	-	Internal	3 ... 10 bar	14
5811170450	7 VA	Internal	3 ... 10 bar	14
5811171650	-	Internal	3 ... 10 bar	14
5811171450	7 VA	Internal	3 ... 10 bar	14
5811172650	-	External	-0,95 ... 10 bar	14
5811172450	7 VA	External	-0,95 ... 10 bar	14
5811173650	-	External	-0,95 ... 10 bar	14
5811173450	7 VA	External	-0,95 ... 10 bar	14

Part No.	Electrical connection Pilot valve	Throttle
5811170650	Plug EN 175301-803, form A	-
5811170450	Plug EN 175301-803, form A	-
5811171650	Plug EN 175301-803, form A	with throttle
5811171450	Plug EN 175301-803, form A	with throttle
5811172650	Plug EN 175301-803, form A	-
5811172450	Plug EN 175301-803, form A	-
5811173650	Plug EN 175301-803, form A	with throttle
5811173450	Plug EN 175301-803, form A	with throttle

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## Technical information

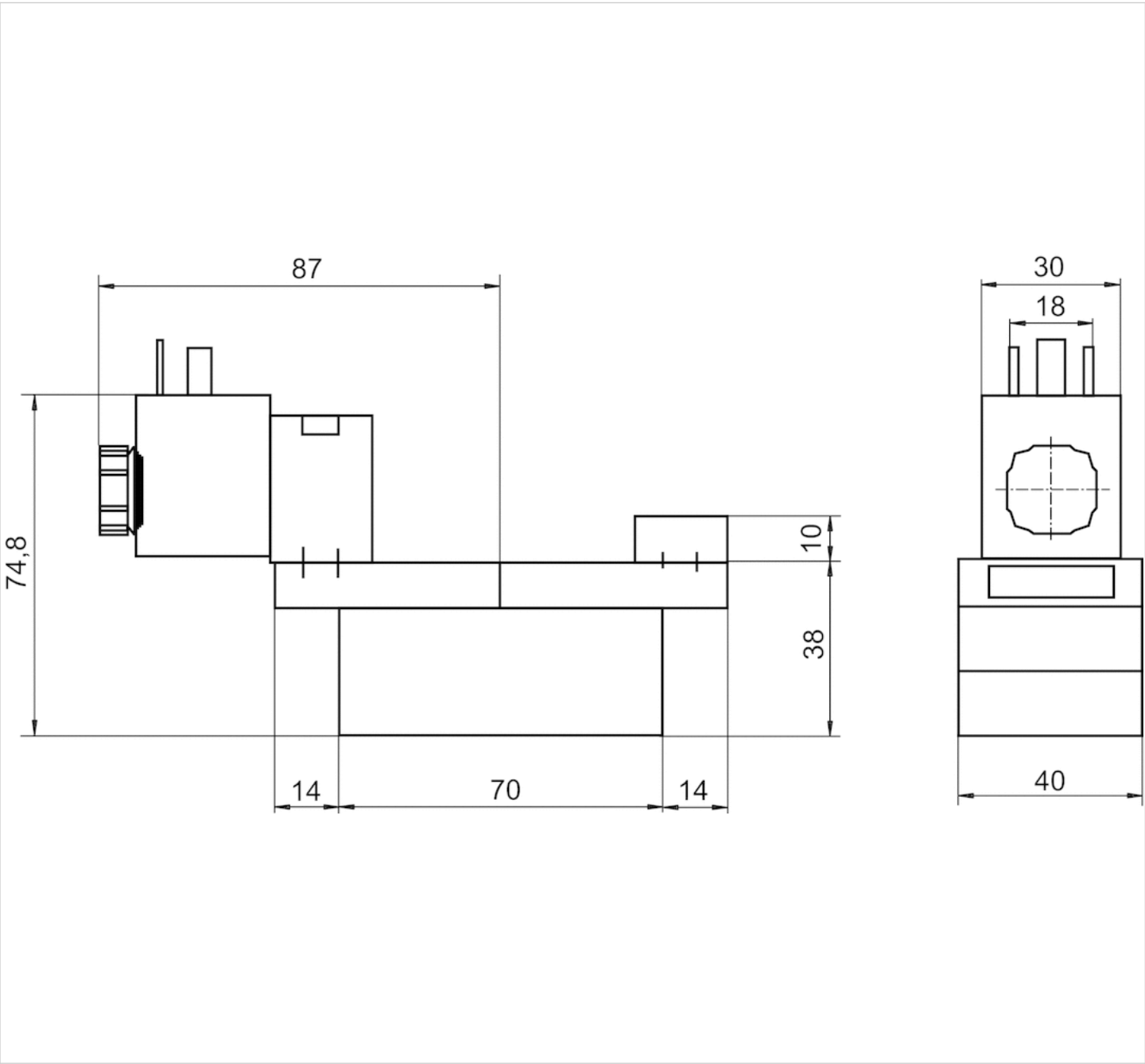
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!  
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .  
The oil content of compressed air must remain constant during the life cycle.  
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



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