









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

- ISO 5599-1
- ISO 2
- 5/2
- double solenoid
- $Q_n = 2700 \text{ l/min}$
- Compressed air connection output Base plate ISO 5599-1
- Electrical connection Plug, ISO 15217, form C
- 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 2
Working pressure min./max.	See table below
Control pressure min./max.	1,5 ... 10 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m ³
Nominal flow Q_n	2700 l/min
Flow conductance C	10,8 l/(s*bar)
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	13 ms
Typ. switch-off time	13 ms
Mounting screw	with hexagon socket
Mounting screw tightening torque	3,5 Nm
Weight	0,33 kg

Technical data

Part No.		MO	Operational voltage DC	Voltage tolerance DC
5812260130			24 V	-10% / +10%
5812261130			24 V	-10% / +10%
5812262130			24 V	-10% / +10%
5812263130			24 V	-10% / +10%

Part No.	Power consumption DC	Pilot	Working pressure min./max.
5812260130	2 W	Internal	1,5 ... 10 bar
5812261130	2 W	Internal	1,5 ... 10 bar
5812262130	2 W	External	-0,95 ... 10 bar
5812263130	2 W	External	-0,95 ... 10 bar

Part No.	Electrical connection Pilot valve	Throttle
5812260130	Plug ISO 15217, form C	-
5812261130	Plug ISO 15217, form C	with throttle
5812262130	Plug ISO 15217, form C	-
5812263130	Plug ISO 15217, form C	with throttle

Connection 12 must be connected with atmospheres, Nominal flow Q_n 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.

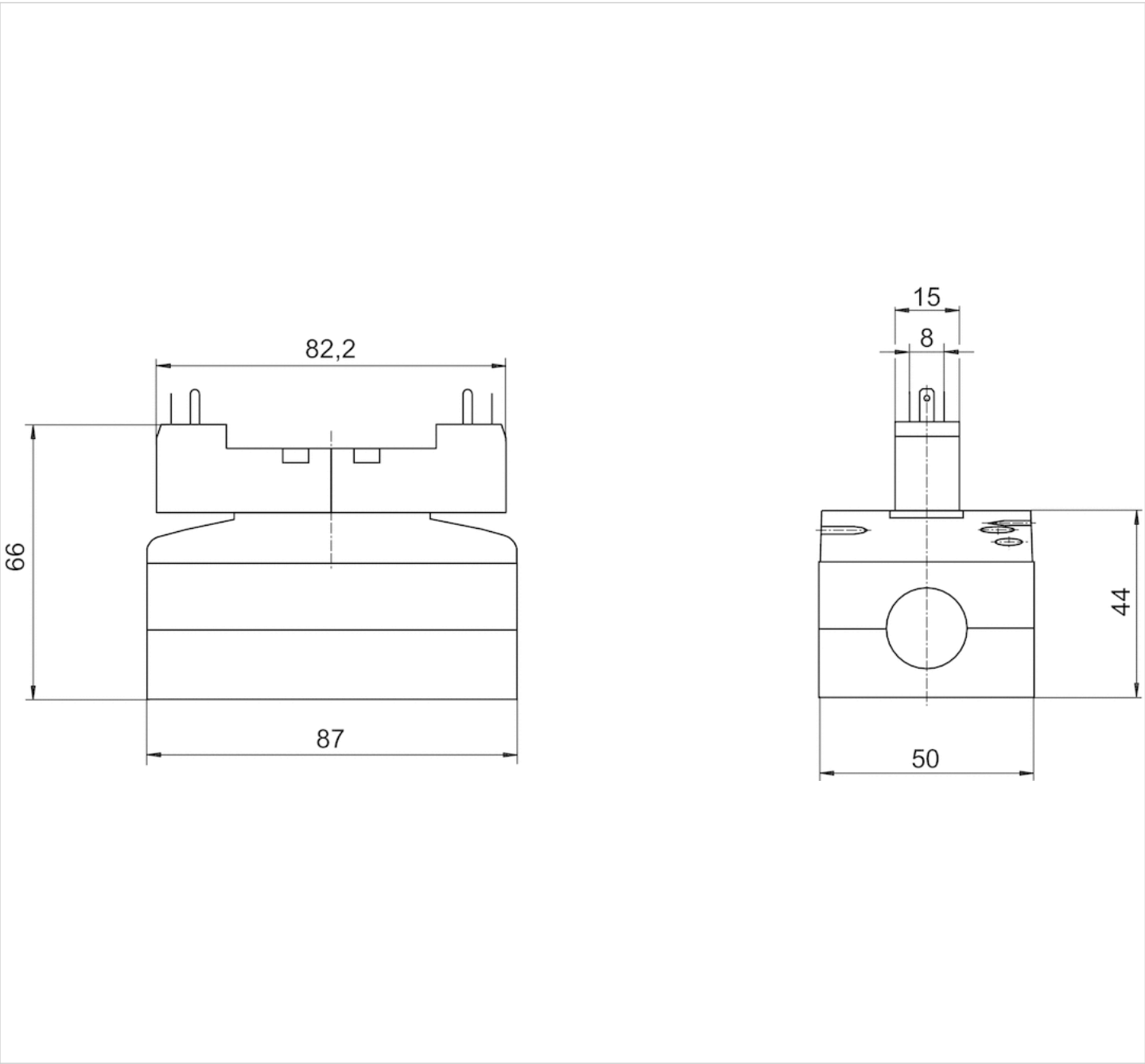
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Housing	Polyamide fiber-glass reinforced
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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