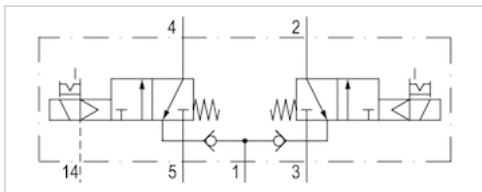


2x3/2-directional valve, Series 581, size

1

- ISO 5599-1
- ISO 1
- 2x3/2
- NC/NC
- $Q_n = 950 \text{ l/min}$
- Compressed air connection output Base plate ISO 5599-1
- Electrical connection Plug, Form B, industry
- Manual override with detent



Type	Spool valve
Pilot	External
Sealing principle	Soft sealing
Blocking principle	Single base plate principle
Connection type	Plate connection
Standards	ISO 5599-1, ISO 1
Working pressure min./max.	0 ... 8 bar
Control pressure min./max.	3,5 ... 8 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 ³
Nominal flow Q_n	950 l/min
Flow conductance C	3,2 l/(s*bar)
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	12 ms
Typ. switch-off time	22 ms
Mounting screw	with hexagon socket
Mounting screw tightening torque	2 Nm
Weight	0,3 kg

Technical data

Part No.	MO		Operational voltage DC	Operational voltage AC 50 Hz
R402003714		NC/NC	12 V	-
R402003711		NC/NC	-	24 V
R402003710		NC/NC	24 V	-
R402003715		NC/NC	48 V	-
R402003712		NC/NC	-	-
R402003713		NC/NC	-	230 V
R402003709		NC/NC	-	-

Part No.	Operational voltage AC 60 Hz	Voltage tolerance DC	Voltage tolerance AC 50 Hz	Voltage tolerance AC 60 Hz
R402003714	-	-10% / +10%	-	-
R402003711	-	-	-10% / +10%	-
R402003710	-	-10% / +10%	-	-
R402003715	-	-10% / +10%	-	-
R402003712	110 V	-	-	-10% / +10%
R402003713	-	-	-10% / +10%	-
R402003709	-	-	-	-

Part No.	Power consumption DC	Holding power AC 50 Hz	Holding power AC 60 Hz	Switch-on power AC 50 Hz
R402003714	5 W	-	-	-
R402003711	-	8 VA	-	10 VA
R402003710	5 W	-	-	-
R402003715	5 W	-	-	-
R402003712	-	-	8 VA	-
R402003713	-	8 VA	-	10 VA
R402003709	-	-	-	-

Part No.	Switch-on power AC 60 Hz	Electrical connection Pilot valve	basic valve with electrical connector
R402003714	-	Plug Form B, industry	-
R402003711	-	Plug Form B, industry	-
R402003710	-	Plug Form B, industry	-
R402003715	-	Plug Form B, industry	-
R402003712	10 VA	Plug Form B, industry	-
R402003713	-	Plug Form B, industry	-
R402003709	-	Plug Form B, industry	Basic valve without coil

The valve must be supplied with compressed air via ports 3 and 5, Nominal flow Q_n at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

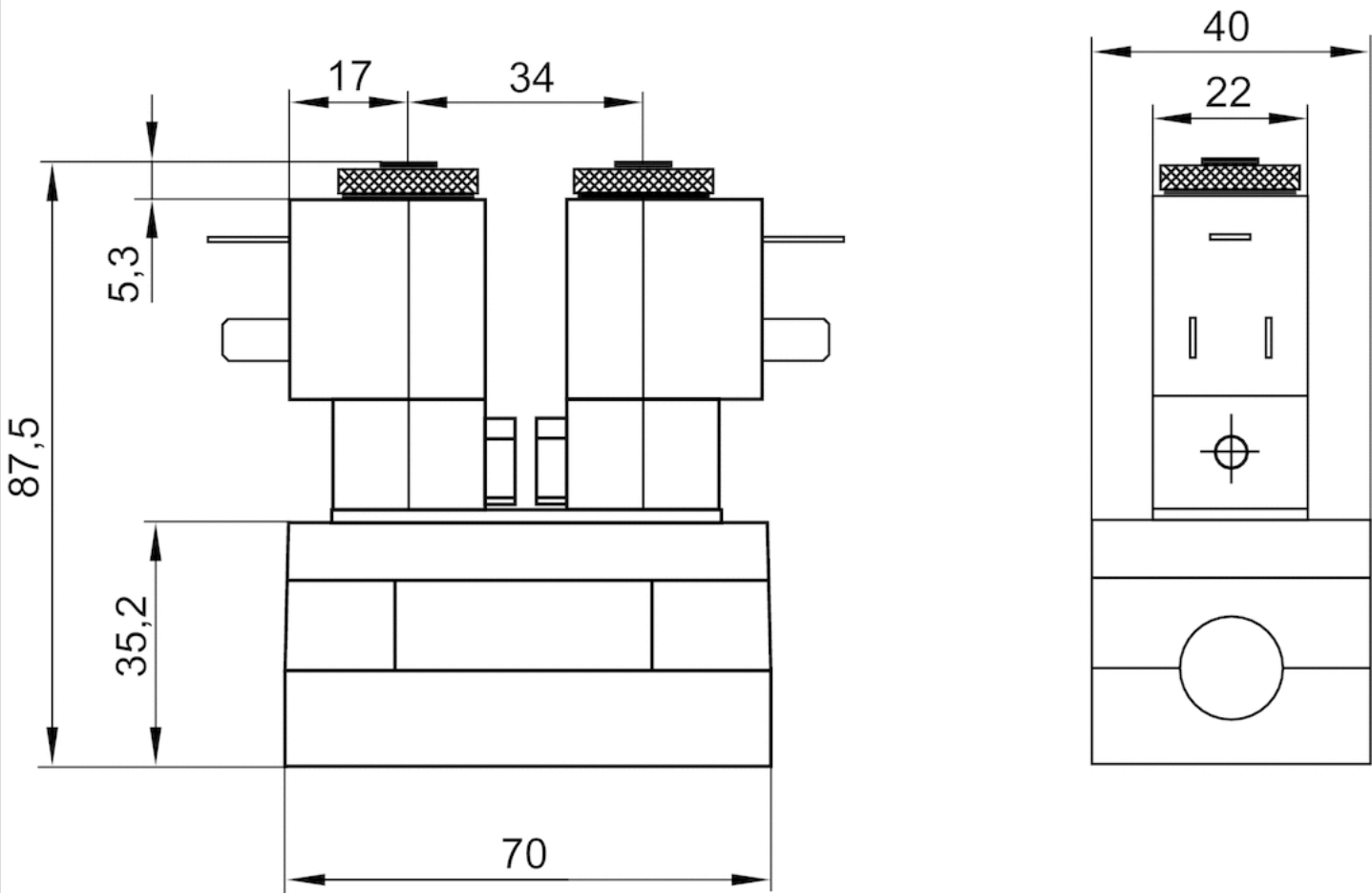
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only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

Technical information

Housing	Polyamide fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



The pilot valves can be loosened and turned through 180°.