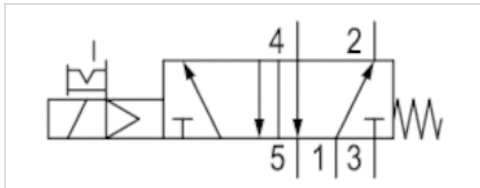
















5/2-directional valve, Series 579

- Qn = 520-600 l/min
- Pipe connection
- Compressed air connection output Ø6x1 Ø 8x1
- Electrical connection Plug, ISO 15217, form C
- Manual override with detent



Version	Poppet valve
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Working pressure min./max.	2 ... 8 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 1 mg/m ³
Nominal flow Qn	See table below
Protection class with connection	IP65
Reverse polarity protection	Protected against polarity reversal
Duty cycle	100 %
Typ. switch-on time	27 ms
Typ. switch-off time	28 ms
Weight	0,133 kg

Technical data

Part No.	MO	Type	Compressed air connection	
			Input	Output
5794700210		single valve	Ø6x1	Ø6x1
5794700220		single valve	Ø6x1	Ø6x1
5794700620		single valve	Ø6x1	Ø6x1
5794705220		single valve	Ø6x1	Ø6x1
5794705270		single valve	Ø6x1	Ø6x1
5794705280		single valve	Ø6x1	Ø6x1
5794705680		single valve	Ø6x1	Ø6x1
5794900210		single valve	Ø 8x1	Ø 8x1
5794900220		single valve	Ø 8x1	Ø 8x1
5794900620		single valve	Ø 8x1	Ø 8x1
5794905220		single valve	Ø 8x1	Ø 8x1
5794905270		single valve	Ø 8x1	Ø 8x1
5794905280		single valve	Ø 8x1	Ø 8x1
5794905680		single valve	Ø 8x1	Ø 8x1

Part No.	Compressed air connection		Operational voltage	
	Output	Input	DC	AC 50 Hz
5794700210	Ø6x1	Ø6x1	12 V	-
5794700220	Ø6x1	Ø6x1	24 V	-
5794700620	Ø6x1	Ø6x1	24 V	-

Part No.	Compressed air connection	Operationalvoltage	
	Output	DC	AC 50 Hz
5794705220	Ø6x1	-	24 V
5794705270	Ø6x1	-	110 V
5794705280	Ø6x1	-	230 V
5794705680	Ø6x1	-	230 V
5794900210	Ø 8x1	12 V	-
5794900220	Ø 8x1	24 V	-
5794900620	Ø 8x1	24 V	-
5794905220	Ø 8x1	-	24 V
5794905270	Ø 8x1	-	110 V
5794905280	Ø 8x1	-	230 V
5794905680	Ø 8x1	-	230 V

Part No.	Operationalvoltage	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5794700210	-	1,6 W	-	-
5794700220	-	1,6 W	-	-
5794700620	-	1,7 W	-	-
5794705220	24 V	-	2,2 VA	1,8 VA
5794705270	110 V	-	3 VA	2,4 VA
5794705280	230 V	-	2,3 VA	2 VA
5794705680	230 V	-	2,5 VA	2,2 VA
5794900210	-	1,6 W	-	-
5794900220	-	1,6 W	-	-
5794900620	-	1,7 W	-	-
5794905220	24 V	-	2,2 VA	1,8 VA
5794905270	110 V	-	3 VA	2,4 VA
5794905280	230 V	-	2,3 VA	2 VA
5794905680	230 V	-	2,5 VA	2,2 VA

Part No.	Switch-on power	Switch-on power	Pilot	Flow	LED
	AC 50 Hz	AC 60 Hz		Qn	
5794700210	-	-	internal	520 l/min	-
5794700220	-	-	internal	520 l/min	-
5794700620	-	-	internal	520 l/min	Red
5794705220	3 VA	2,6 VA	internal	520 l/min	-
5794705270	4,2 VA	3,4 VA	internal	520 l/min	-
5794705280	3,2 VA	2,8 VA	internal	520 l/min	-
5794705680	3,4 VA	3 VA	internal	520 l/min	Red
5794900210	-	-	internal	600 l/min	-
5794900220	-	-	internal	600 l/min	-
5794900620	-	-	internal	600 l/min	Red
5794905220	3 VA	2,6 VA	internal	600 l/min	-
5794905270	4,2 VA	3,4 VA	internal	600 l/min	-
5794905280	3,2 VA	2,8 VA	internal	600 l/min	-
5794905680	3,4 VA	3 VA	internal	600 l/min	Red

Part No.	Protected against polarity reversal	
5794700210	Protected against polarity reversal	-

Part No.	Protected against polarity reversal	
5794700220	Protected against polarity reversal	-
5794700620	Protected against polarity reversal	1)
5794705220	Protected against polarity reversal	-
5794705270	Protected against polarity reversal	-
5794705280	Protected against polarity reversal	-
5794705680	Protected against polarity reversal	-
5794900210	Protected against polarity reversal	-
5794900220	Protected against polarity reversal	-
5794900620	Protected against polarity reversal	1)
5794905220	Protected against polarity reversal	-
5794905270	Protected against polarity reversal	-
5794905280	Protected against polarity reversal	-
5794905680	Protected against polarity reversal	-

Nominal flow Qn at 6 bar and $\Delta p = 1$ bar, MO = Manual override

1) With LED and protective diode for reducing voltage peaks in the solenoid coil, protected against polarity reversal

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).

At an ambient temperature of 40 °C the max. working pressure is 10 bar .

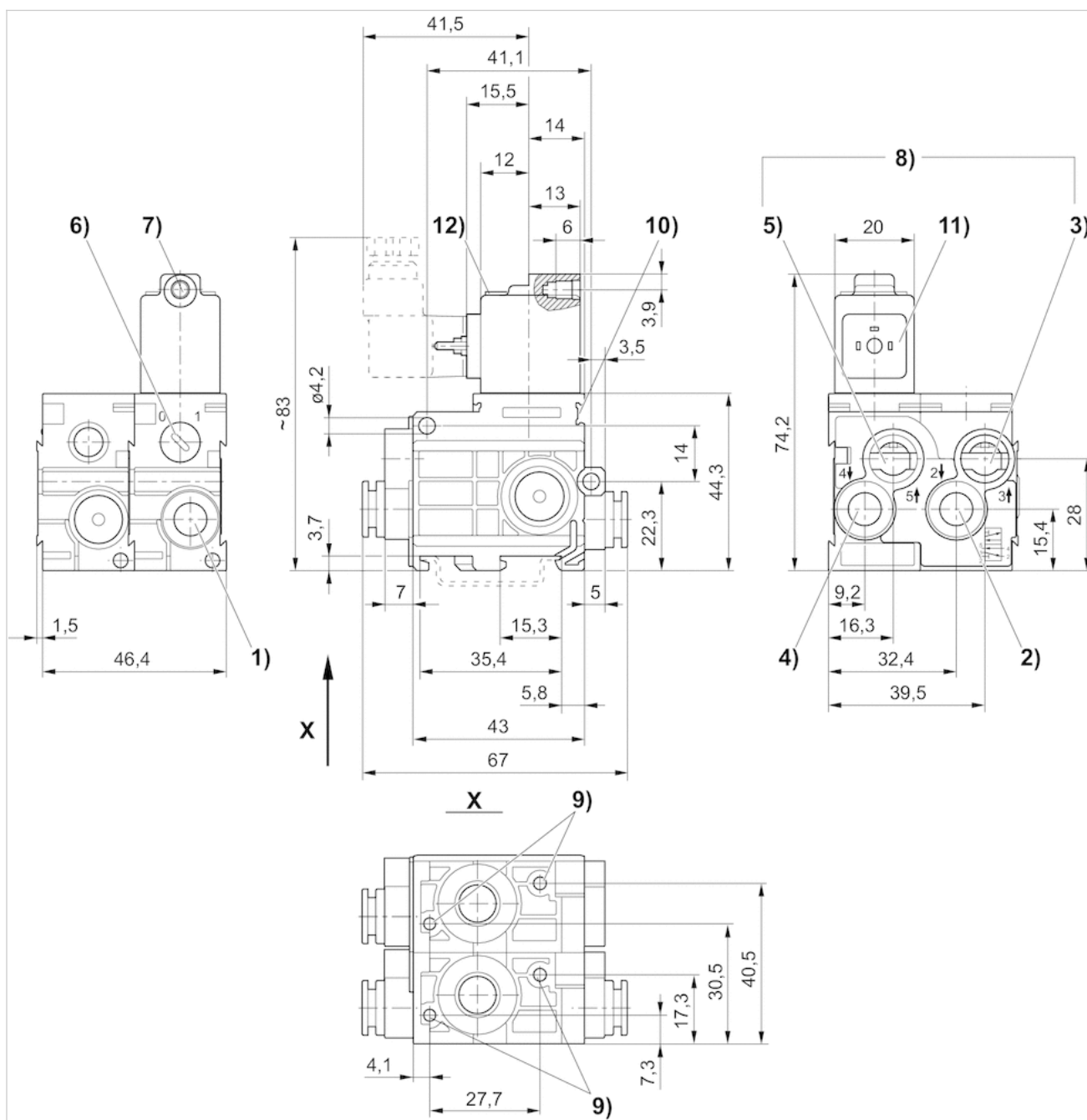
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber Polyurethane

Dimensions

Dimensions



1) port 1 2) port 2 3) port 3 4) port 4 5) port 5 6) manual override 7) core Ø for M 5 8) exhaust air must not be throttled 9) pocket hole 6 mm deep for 3.5 self-tapping screw 10) mounting space for name plate 11) coil can be rotated at 180° intervals 12) LED