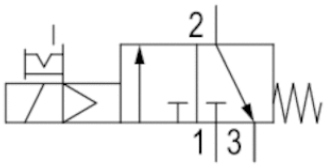
3/2-directional valve, Series 579

- NC
- Qn = 520-850 l/min
- Pipe connection
- Compressed air connection output Ø 6x1 Ø 8x1
- Electrical connection Plug, ISO 15217, form C
- Manual override with detent



Type	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/m³
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	18 ms
Typ. switch-off time	16 ms
Weight	0,093 kg

Technical data

Part No.	MO		Type	Compressed air connection
				Input
5794400210		NC	single valve	Ø 6x1
5794400220		NC	single valve	Ø 6x1
5794400620		NC	single valve	Ø 6x1
5794405220		NC	single valve	Ø 6x1
5794405270		NC	single valve	Ø 6x1
5794405280		NC	single valve	Ø 6x1
5794405680		NC	single valve	Ø 6x1
5794600210		NC	single valve	Ø 8x1
5794600220		NC	single valve	Ø 8x1
5794600620		NC	single valve	Ø 8x1
5794605220		NC	single valve	Ø 8x1
5794605270		NC	single valve	Ø 8x1
5794605280		NC	single valve	Ø 8x1
5794605680		NC	single valve	Ø 8x1

Part No.	Compressed air connection	Operational voltage	Operational voltage
	Output	DC	AC 50 Hz
5794400210	Ø 6x1	12 V	-

Part No.	Compressed air connection	Operational voltage	Operational voltage
	Output	DC	AC 50 Hz
5794400220	Ø 6x1	24 V	-
5794400620	Ø 6x1	24 V	-
5794405220	Ø 6x1	-	24 V
5794405270	Ø 6x1	-	110 V
5794405280	Ø 6x1	-	230 V
5794405680	Ø 6x1	-	230 V
5794600210	Ø 8x1	12 V	-
5794600220	Ø 8x1	24 V	-
5794600620	Ø 8x1	24 V	-
5794605220	Ø 8x1	-	24 V
5794605270	Ø 8x1	-	110 V
5794605280	Ø 8x1	-	230 V
5794605680	Ø 8x1	-	230 V

Part No.	Operational voltage	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5794400210	-	1,6 W	-	-
5794400220	-	1,6 W	-	-
5794400620	-	1,7 W	-	-
5794405220	24 V	-	2,2 VA	1,8 VA
5794405270	110 V	-	3 VA	2,4 VA
5794405280	230 V	-	2,3 VA	2 VA
5794405680	230 V	-	2,5 VA	2,2 VA
5794600210	-	1,6 W	-	-
5794600220	-	1,6 W	-	-
5794600620	-	1,7 W	-	-
5794605220	24 V	-	2,2 VA	1,8 VA
5794605270	110 V	-	3 VA	2,4 VA
5794605280	230 V	-	2,3 VA	2 VA
5794605680	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	
5794400210	-	-	Internal	520 l/min	-
5794400220	-	-	Internal	520 l/min	-
5794400620	-	-	Internal	520 l/min	Red
5794405220	3 VA	2,6 VA	Internal	520 l/min	-
5794405270	4,2 VA	3,4 VA	Internal	520 l/min	-
5794405280	3,2 VA	2,8 VA	Internal	520 l/min	-
5794405680	3,4 VA	3 VA	Internal	520 l/min	Red
5794600210	-	-	Internal	850 l/min	-
5794600220	-	-	Internal	850 l/min	-
5794600620	-	-	Internal	850 l/min	Red
5794605220	3 VA	2,6 VA	Internal	850 l/min	-
5794605270	4,2 VA	3,4 VA	Internal	850 l/min	-
5794605280	3,2 VA	2,8 VA	Internal	850 l/min	-
5794605680	3,4 VA	3 VA	Internal	850 l/min	Red

Part No.	Protected against polarity reversal	
5794400210	Protected against polarity reversal	-
5794400220	Protected against polarity reversal	-
5794400620	Protected against polarity reversal	1)
5794405220	Protected against polarity reversal	-
5794405270	Protected against polarity reversal	-
5794405280	Protected against polarity reversal	-
5794405680	Protected against polarity reversal	-
5794600210	Protected against polarity reversal	-
5794600220	Protected against polarity reversal	-
5794600620	Protected against polarity reversal	1)
5794605220	Protected against polarity reversal	-
5794605270	Protected against polarity reversal	-
5794605280	Protected against polarity reversal	-
5794605680	Protected against polarity reversal	-

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

1) with LED and protective diode for reducing voltage peaks in the solenoid coil

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).

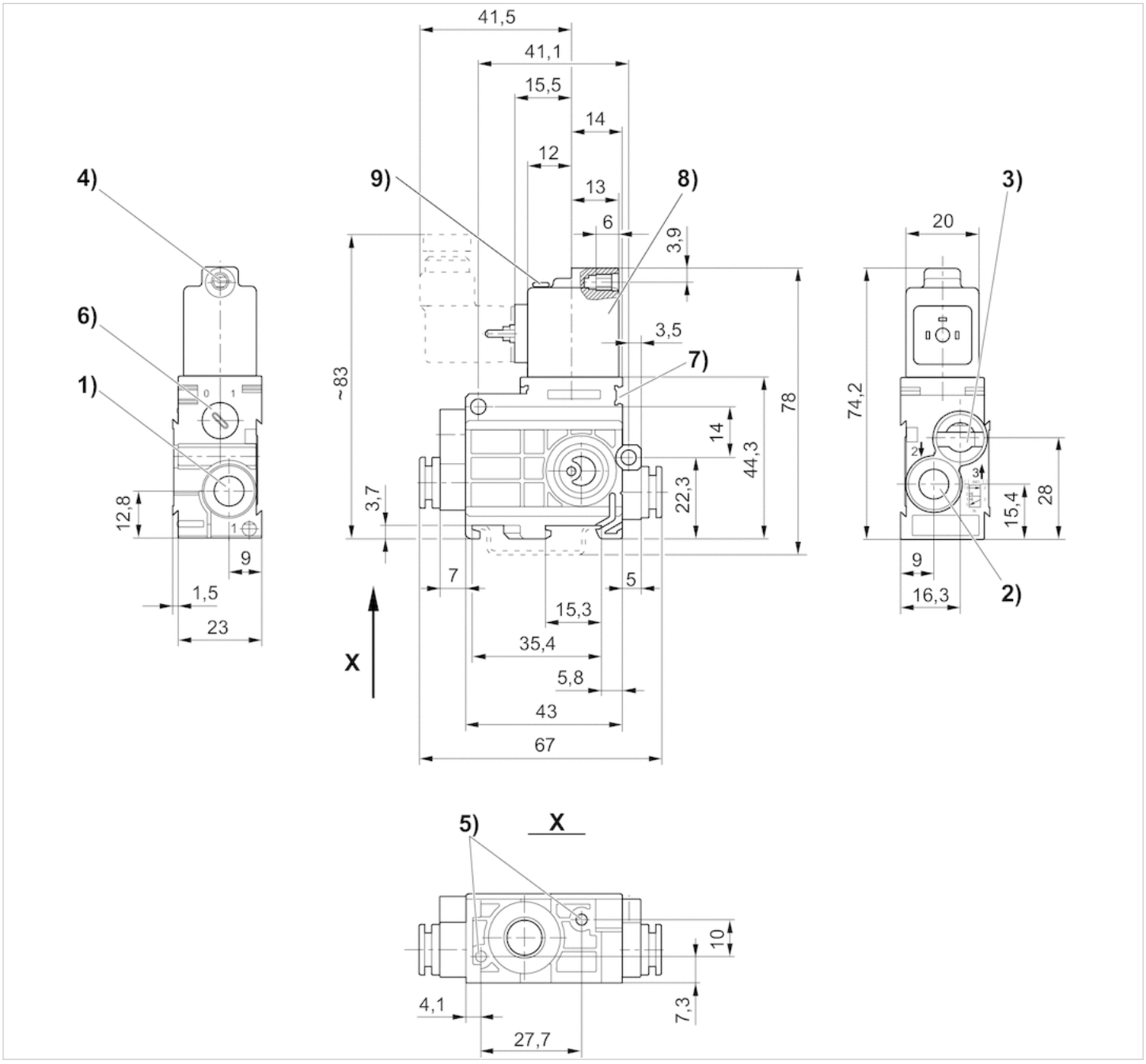
At an ambient temperature of 40 °C the max. working pressure is 10 bar .
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber Polyurethane

Dimensions

Dimensions



1) Port 1
2) Port 2
3) Port 3, exhaust air must not be throttled
4) Core Ø for M5
5) Pocket hole 6 mm deep for 3.5 self-tapping screw
6) Manual override
7) Mounting space for name plate
8) Coil can be rotated at 180° intervals
9) LED

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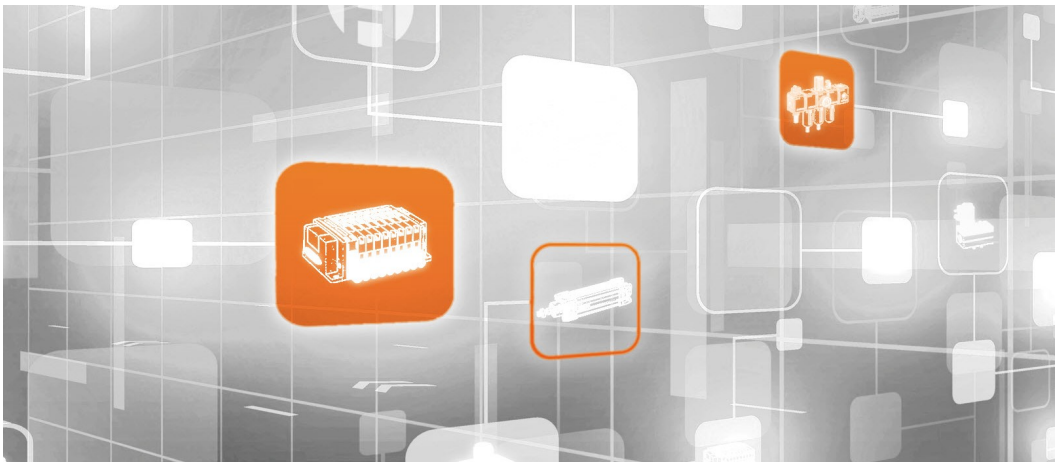

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