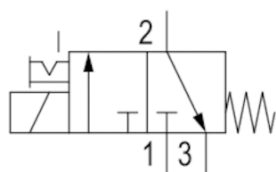
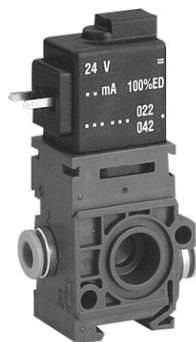


3/2-directional valve, Series 579

- Qn = 50 l/min
- Pipe connection
- Compressed air connection output Ø6x1
- Electrical connection Plug, ISO 15217, form C
- Manual override with detent



Version	Poppet valve
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	0 ... 7 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	50 l/min
Protection class, with connection	IP65
Reverse polarity protection	Protected against polarity reversal
Duty cycle	100 %
Typ. switch-on time	20 ms
Typ. switch-off time	23 ms
Weight	0,079 kg

Technical data

Part No.		MO	Type	Compressed air connection	
				Input	
5794000210	NC		single valve	Ø6x1	
5794000220	NC		single valve	Ø6x1	
5794000620	NC		single valve	Ø6x1	
5794005220	NC		single valve	Ø6x1	
5794005270	NC		single valve	Ø6x1	
5794005280	NC		single valve	Ø6x1	

Part No.	Compressed air connection		Operational voltage	
	Output		DC	AC 50 Hz
5794000210	Ø6x1		12 V	-
5794000220	Ø6x1		24 V	-
5794000620	Ø6x1		24 V	-
5794005220	Ø6x1		-	24 V
5794005270	Ø6x1		-	110 V
5794005280	Ø6x1		-	230 V

Part No.	Operational voltage		Power consumption		Holding power	
	AC 60 Hz		DC		AC 50 Hz	AC 60 Hz
5794000210	-		2 W		-	-
5794000220	-		2 W		-	-

Part No.	Operational voltage	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5794000620	-	2,1 W	-	-
5794005220	24 V	-	3,1 VA	3,1 VA
5794005270	110 V	-	3 VA	3 VA
5794005280	230 V	-	3,1 VA	3,1 VA

Part No.	Switch-on power	Switch-on power	LED	Protected against polarity reversal	
	AC 50 Hz	AC 60 Hz			
5794000210	-	-	-	Protected against polarity reversal	-
5794000220	-	-	-	Protected against polarity reversal	-
5794000620	-	-	Red	Protected against polarity reversal	1)
5794005220	4,2 VA	4,2 VA	-	Protected against polarity reversal	-
5794005270	4,2 VA	4,2 VA	-	Protected against polarity reversal	-
5794005280	4,4 VA	4,4 VA	-	Protected against polarity reversal	-

Nominal flow Q_n 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).

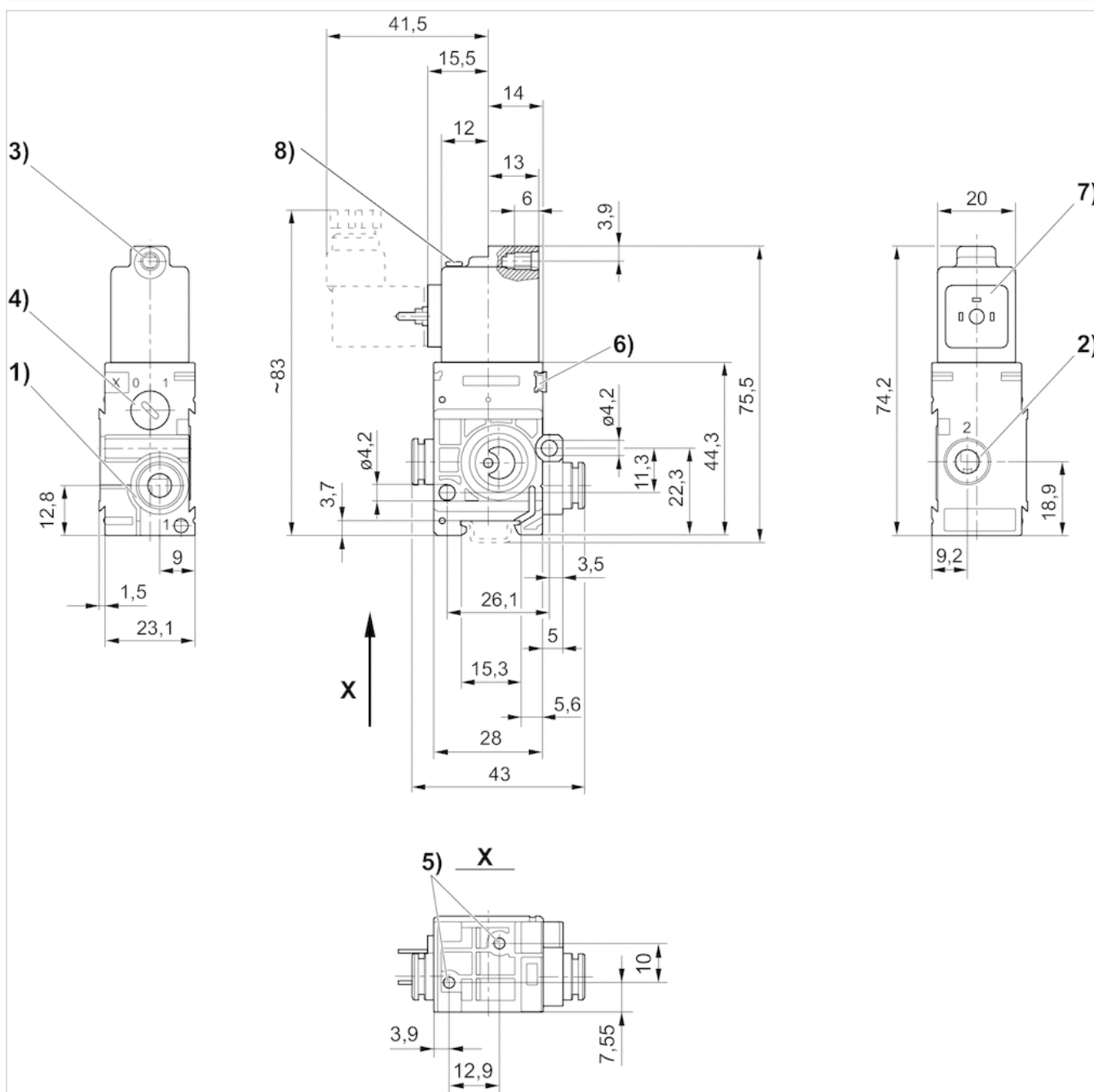
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber

Dimensions

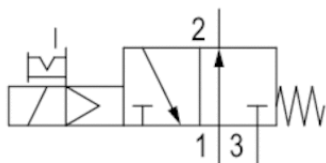
Dimensions



1) Port 12 2) Port 23 3) Port 3, core ϕ for M54 4) Manual override 5) Pocket hole 6 mm deep for 3.5 self-tapping screw 6) Mounting space for name plate 7) Coil can be rotated at 180° intervals 8) LED

3/2-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/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	
5794410210	NO		single valve	Ø6x1	
5794410220	NO		single valve	Ø6x1	
5794410620	NO		single valve	Ø6x1	
5794415220	NO		single valve	Ø6x1	
5794415270	NO		single valve	Ø6x1	
5794415280	NO		single valve	Ø6x1	
5794415680	NO		single valve	Ø6x1	
5794610210	NO		single valve	Ø 8x1	
5794610220	NO		single valve	Ø 8x1	
5794610620	NO		single valve	Ø 8x1	
5794615220	NO		single valve	Ø 8x1	
5794615270	NO		single valve	Ø 8x1	
5794615280	NO		single valve	Ø 8x1	
5794615680	NO		single valve	Ø 8x1	

Part No.	Compressed air connection		Operational voltage	
	Output		DC	AC 50 Hz
5794410210	Ø6x1		12 V	-
5794410220	Ø6x1		24 V	-
5794410620	Ø6x1		24 V	-

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Output	DC	AC 50 Hz
5794415220	Ø6x1	-	24 V
5794415270	Ø6x1	-	110 V
5794415280	Ø6x1	-	230 V
5794415680	Ø6x1	-	230 V
5794610210	Ø 8x1	12 V	-
5794610220	Ø 8x1	24 V	-
5794610620	Ø 8x1	24 V	-
5794615220	Ø 8x1	-	24 V
5794615270	Ø 8x1	-	110 V
5794615280	Ø 8x1	-	230 V
5794615680	Ø 8x1	-	230 V

Part No.	Operationalvoltage	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5794410210	-	1,6 W	-	-
5794410220	-	1,6 W	-	-
5794410620	-	1,7 W	-	-
5794415220	24 V	-	2,2 VA	1,8 VA
5794415270	110 V	-	3 VA	2,4 VA
5794415280	230 V	-	2,3 VA	2 VA
5794415680	230 V	-	2,5 VA	2,2 VA
5794610210	-	1,6 W	-	-
5794610220	-	1,6 W	-	-
5794610620	-	1,7 W	-	-
5794615220	24 V	-	2,2 VA	1,8 VA
5794615270	110 V	-	3 VA	2,4 VA
5794615280	230 V	-	2,3 VA	2 VA
5794615680	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	
5794410210	-	-	Internal	520 l/min	-
5794410220	-	-	Internal	520 l/min	-
5794410620	-	-	Internal	520 l/min	Red
5794415220	3 VA	2,6 VA	Internal	520 l/min	-
5794415270	4,2 VA	3,4 VA	Internal	520 l/min	-
5794415280	3,2 VA	2,8 VA	Internal	520 l/min	-
5794415680	3,4 VA	3 VA	Internal	520 l/min	Red
5794610210	-	-	Internal	600 l/min	-
5794610220	-	-	Internal	600 l/min	-
5794610620	-	-	Internal	600 l/min	Red
5794615220	3 VA	2,6 VA	Internal	600 l/min	-
5794615270	4,2 VA	3,4 VA	Internal	600 l/min	-
5794615280	3,2 VA	2,8 VA	Internal	600 l/min	-
5794615680	3,4 VA	3 VA	Internal	600 l/min	Red

Part No.	Protected against polarity reversal	
5794410210	Protected against polarity reversal	-

Part No.	Protected against polarity reversal	
5794410220	Protected against polarity reversal	-
5794410620	Protected against polarity reversal	1)
5794415220	Protected against polarity reversal	-
5794415270	Protected against polarity reversal	-
5794415280	Protected against polarity reversal	-
5794415680	Protected against polarity reversal	-
5794610210	Protected against polarity reversal	-
5794610220	Protected against polarity reversal	-
5794610620	Protected against polarity reversal	1)
5794615220	Protected against polarity reversal	-
5794615270	Protected against polarity reversal	-
5794615280	Protected against polarity reversal	-
5794615680	Protected against polarity reversal	-

Nominal flow Q_n at 6 bar and Δp = 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 .

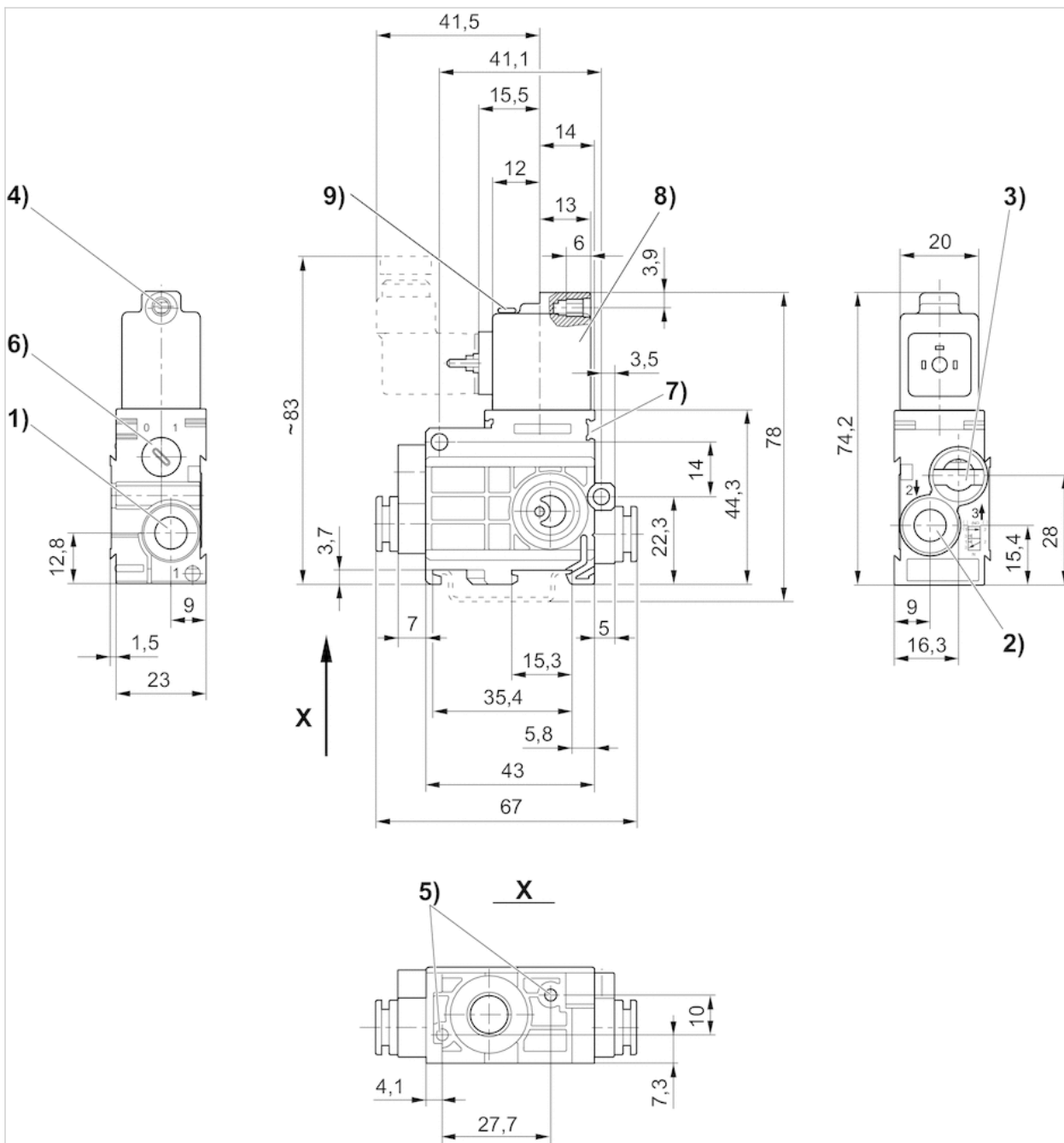
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

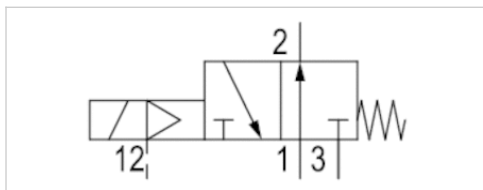
Dimensions



1) Port 12) Port 23) Port 3, exhaust air must not be throttled4) Core Ø for M55) Pocket hole 6 mm deep for 3.5 self-tapping screw6) Manual override7) Mounting space for name plate8) Coil can be rotated at 180° intervals9) LED

3/2-directional valve, Series 579

- External
- $Q_n = 520-600 \text{ l/min}$
- Pipe connection
- Compressed air connection output $\text{Ø}6 \times 1$, $\text{Ø} 8 \times 1$
- Electrical connection Plug, ISO 15217, form C



Version	Poppet valve
Activation	Electrically
Pilot	External
Sealing principle	Soft sealing
Working pressure min./max.	0,5 ... 8 bar
Control 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 Q_n	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.		Type	Compressed air connection	
			Input	Output
5794420210	NO	single valve	$\text{Ø}6 \times 1$	$\text{Ø}6 \times 1$
5794420220	NO	single valve	$\text{Ø}6 \times 1$	$\text{Ø}6 \times 1$
5794420620	NO	single valve	$\text{Ø}6 \times 1$	$\text{Ø}6 \times 1$
5794425220	NO	single valve	$\text{Ø}6 \times 1$	$\text{Ø}6 \times 1$
5794425270	NO	single valve	$\text{Ø}6 \times 1$	$\text{Ø}6 \times 1$
5794425280	NO	single valve	$\text{Ø}6 \times 1$	$\text{Ø}6 \times 1$
5794425680	NO	single valve	$\text{Ø}6 \times 1$	$\text{Ø}6 \times 1$
5794620210	NO	single valve	$\text{Ø} 8 \times 1$	$\text{Ø} 8 \times 1$
5794620220	NO	single valve	$\text{Ø} 8 \times 1$	$\text{Ø} 8 \times 1$
5794620620	NO	single valve	$\text{Ø} 8 \times 1$	$\text{Ø} 8 \times 1$
5794625220	NO	single valve	$\text{Ø} 8 \times 1$	$\text{Ø} 8 \times 1$
5794625270	NO	single valve	$\text{Ø} 8 \times 1$	$\text{Ø} 8 \times 1$
5794625280	NO	single valve	$\text{Ø} 8 \times 1$	$\text{Ø} 8 \times 1$
5794625680	NO	single valve	$\text{Ø} 8 \times 1$	$\text{Ø} 8 \times 1$

Part No.	Compressed air connection		Operational voltage	
	Pilot connection		DC	AC 50 Hz
5794420210	$\text{Ø} 4$		12 V	-
5794420220	$\text{Ø} 4$		24 V	-
5794420620	$\text{Ø} 4$		24 V	-

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Pilot connection	DC	AC 50 Hz
5794425220	Ø 4	-	24 V
5794425270	Ø 4	-	110 V
5794425280	Ø 4	-	230 V
5794425680	Ø 4	-	230 V
5794620210	Ø 4	12 V	-
5794620220	Ø 4	24 V	-
5794620620	Ø 4	24 V	-
5794625220	Ø 4	-	24 V
5794625270	Ø 4	-	110 V
5794625280	Ø 4	-	230 V
5794625680	Ø 4	-	230 V

Part No.	Operationalvoltage	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5794420210	-	1,6 W	-	-
5794420220	-	1,6 W	-	-
5794420620	-	1,7 W	-	-
5794425220	24 V	-	2,2 VA	1,8 VA
5794425270	110 V	-	3 VA	2,4 VA
5794425280	230 V	-	2,3 VA	2 VA
5794425680	230 V	-	2,5 VA	2,2 VA
5794620210	-	1,6 W	-	-
5794620220	-	1,6 W	-	-
5794620620	-	1,7 W	-	-
5794625220	24 V	-	2,2 VA	1,8 VA
5794625270	110 V	-	3 VA	2,4 VA
5794625280	230 V	-	2,3 VA	2 VA
5794625680	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	
5794420210	-	-	External	520 l/min	-
5794420220	-	-	External	520 l/min	-
5794420620	-	-	External	520 l/min	Red
5794425220	3 VA	2,6 VA	External	520 l/min	-
5794425270	4,2 VA	3,4 VA	External	520 l/min	-
5794425280	3,2 VA	2,8 VA	External	520 l/min	-
5794425680	3,4 VA	3 VA	External	520 l/min	Red
5794620210	-	-	External	600 l/min	-
5794620220	-	-	External	600 l/min	-
5794620620	-	-	External	600 l/min	Red
5794625220	3 VA	2,6 VA	External	600 l/min	-
5794625270	4,2 VA	3,4 VA	External	600 l/min	-
5794625280	3,2 VA	2,8 VA	External	600 l/min	-
5794625680	3,4 VA	3 VA	External	600 l/min	Red

Part No.	Protected against polarity reversal	
5794420210	Protected against polarity reversal	-

Part No.	Protected against polarity reversal	
5794420220	Protected against polarity reversal	-
5794420620	Protected against polarity reversal	1)
5794425220	Protected against polarity reversal	-
5794425270	Protected against polarity reversal	-
5794425280	Protected against polarity reversal	-
5794425680	Protected against polarity reversal	-
5794620210	Protected against polarity reversal	-
5794620220	Protected against polarity reversal	-
5794620620	Protected against polarity reversal	1)
5794625220	Protected against polarity reversal	-
5794625270	Protected against polarity reversal	-
5794625280	Protected against polarity reversal	-
5794625680	Protected against polarity reversal	-

Nominal flow Q_n 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.

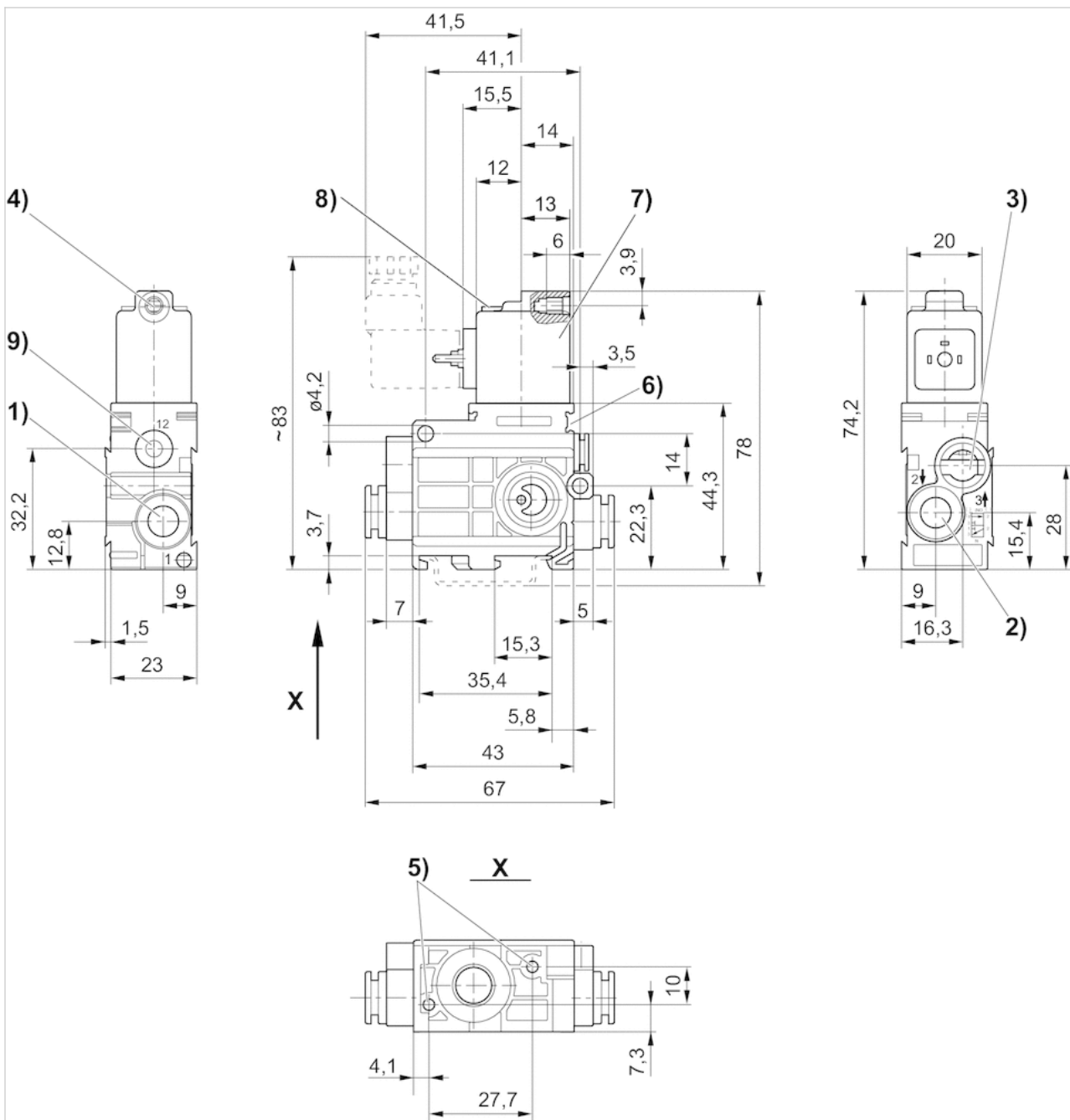
The control pressure must be at least as high as the working pressure.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

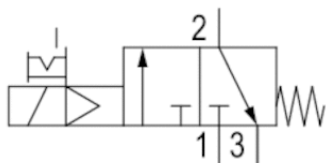
Dimensions



1) Port 12) Port 23) Port 3, exhaust air must not be throttled4) Core Ø for M55) Pocket hole 6 mm deep for 3.5 self-tapping screw6) Mounting space for name plate7) Coil can be rotated at 180° intervals8) LED9) Port 12

3/2-directional valve, Series 579

- Q_n = 520-850 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 Q _n	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	Ø6x1	
5794400220	NC		single valve	Ø6x1	
5794400620	NC		single valve	Ø6x1	
5794405220	NC		single valve	Ø6x1	
5794405270	NC		single valve	Ø6x1	
5794405280	NC		single valve	Ø6x1	
5794405680	NC		single valve	Ø6x1	
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	
	Output		DC	AC 50 Hz
5794400210	Ø6x1		12 V	-
5794400220	Ø6x1		24 V	-
5794400620	Ø6x1		24 V	-

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Output	DC	AC 50 Hz
5794405220	Ø6x1	-	24 V
5794405270	Ø6x1	-	110 V
5794405280	Ø6x1	-	230 V
5794405680	Ø6x1	-	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.	Operationalvoltage	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	-

Part No.	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 $\Delta p = 1$ 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 .

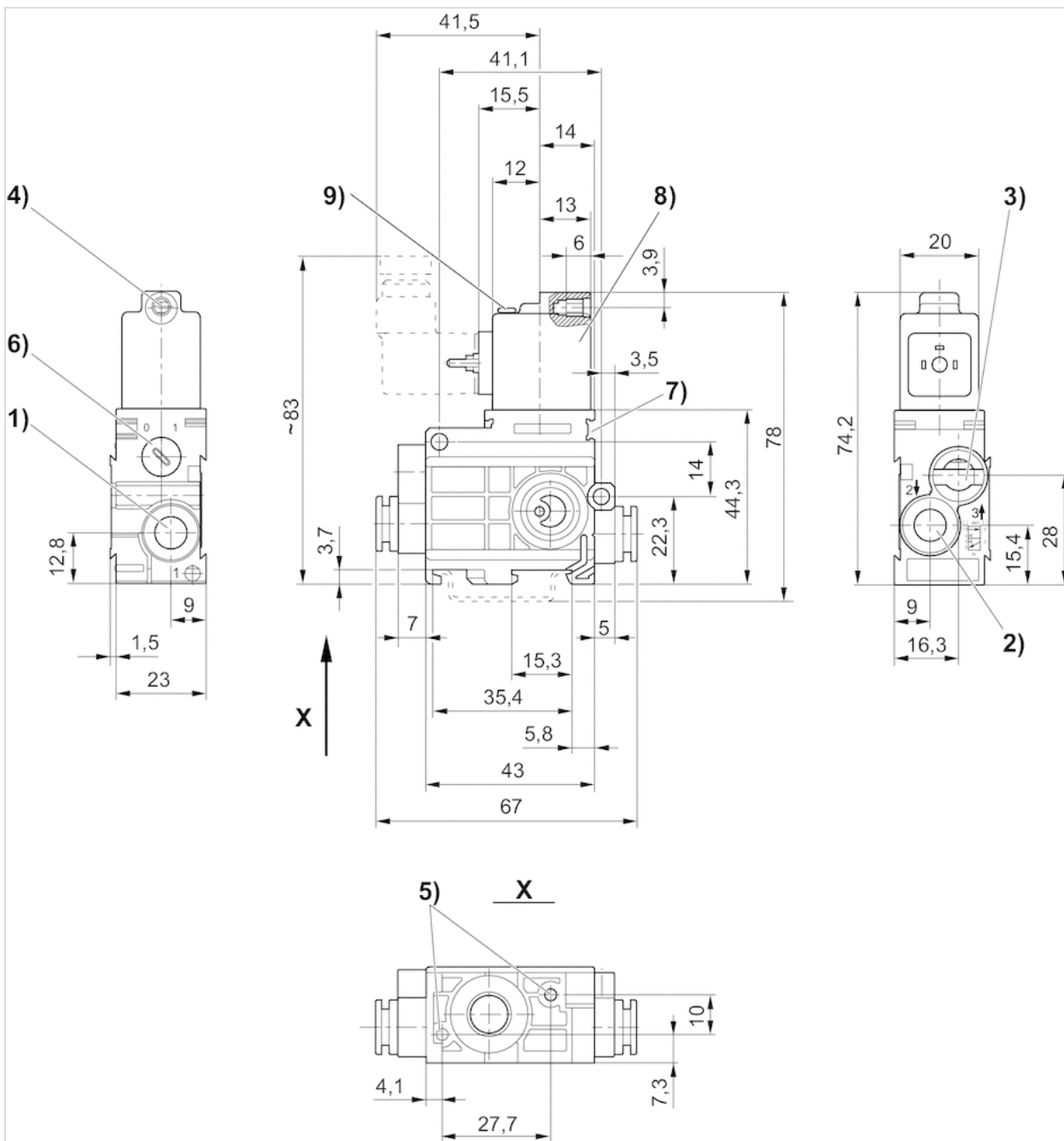
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

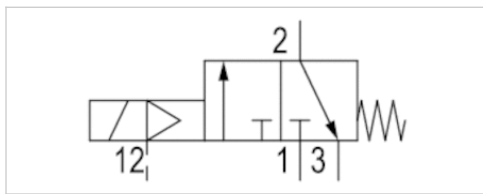
Dimensions



1) Port 12) Port 23) Port 3, exhaust air must not be throttled4) Core Ø for M55) Pocket hole 6 mm deep for 3.5 self-tapping screw6) Manual override7) Mounting space for name plate8) Coil can be rotated at 180° intervals9) LED

3/2-directional valve, Series 579

- Qn = 520-850 l/min
- Pipe connection
- Compressed air connection output Ø6x1, Ø 8x1
- Electrical connection Plug, ISO 15217, form C



Version	Poppet valve
Activation	Electrically
Pilot	External
Sealing principle	Soft sealing
Working pressure min./max.	0,5 ... 8 bar
Control 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.		Type	Compressed air connection	
			Input	Output
5794475220	NC	single valve	Ø6x1	Ø6x1
5794475270	NC	single valve	Ø6x1	Ø6x1
5794475280	NC	single valve	Ø6x1	Ø6x1
5794475680	NC	single valve	Ø6x1	Ø6x1
5794470210	NC	single valve	Ø6x1	Ø6x1
5794470620	NC	single valve	Ø6x1	Ø6x1
5794470220	NC	single valve	Ø6x1	Ø6x1
5794670210	NC	single valve	Ø 8x1	Ø 8x1
5794670220	NC	single valve	Ø 8x1	Ø 8x1
5794670620	NC	single valve	Ø 8x1	Ø 8x1
5794675220	NC	single valve	Ø 8x1	Ø 8x1
5794675270	NC	single valve	Ø 8x1	Ø 8x1
5794675280	NC	single valve	Ø 8x1	Ø 8x1
5794675680	NC	single valve	Ø 8x1	Ø 8x1

Part No.	Compressed air connection		Operational voltage	
	Pilot connection		DC	AC 50 Hz
5794475220	Ø 4		-	24 V
5794475270	Ø 4		-	110 V
5794475280	Ø 4		-	230 V
5794475680	Ø 4		-	230 V

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Pilot connection	DC	AC 50 Hz
5794470210	Ø 4	12 V	-
5794470620	Ø 4	24 V	-
5794470220	Ø 4	24 V	-
5794670210	Ø 4	12 V	-
5794670220	Ø 4	24 V	-
5794670620	Ø 4	24 V	-
5794675220	Ø 4	-	24 V
5794675270	Ø 4	-	110 V
5794675280	Ø 4	-	230 V
5794675680	Ø 4	-	230 V

Part No.	Operationalvoltage	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5794475220	24 V	-	2,2 VA	1,8 VA
5794475270	110 V	-	3 VA	2,4 VA
5794475280	230 V	-	2,3 VA	2 VA
5794475680	230 V	-	2,5 VA	2,2 VA
5794470210	-	1,6 W	-	-
5794470620	-	1,7 W	-	-
5794470220	-	1,6 W	-	-
5794670210	-	1,6 W	-	-
5794670220	-	1,6 W	-	-
5794670620	-	1,7 W	-	-
5794675220	24 V	-	2,2 VA	1,8 VA
5794675270	110 V	-	3 VA	2,4 VA
5794675280	230 V	-	2,3 VA	2 VA
5794675680	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	
5794475220	3 VA	2,6 VA	External	520 l/min	-
5794475270	4,2 VA	3,4 VA	External	520 l/min	-
5794475280	3,2 VA	2,8 VA	External	520 l/min	-
5794475680	3,4 VA	3 VA	External	520 l/min	Red
5794470210	-	-	External	520 l/min	-
5794470620	-	-	External	520 l/min	Red
5794470220	-	-	External	520 l/min	-
5794670210	-	-	External	850 l/min	-
5794670220	-	-	External	850 l/min	-
5794670620	-	-	External	850 l/min	Red
5794675220	3 VA	2,6 VA	External	850 l/min	-
5794675270	4,2 VA	3,4 VA	External	850 l/min	-
5794675280	3,2 VA	2,8 VA	External	850 l/min	-
5794675680	3,4 VA	3 VA	External	850 l/min	Red

Part No.	Protected against polarity reversal	
5794475220	Protected against polarity reversal	-
5794475270	Protected against polarity reversal	-

Part No.	Protected against polarity reversal	
5794475280	Protected against polarity reversal	-
5794475680	Protected against polarity reversal	-
5794470210	Protected against polarity reversal	-
5794470620	Protected against polarity reversal	1)
5794470220	Protected against polarity reversal	-
5794670210	Protected against polarity reversal	-
5794670220	Protected against polarity reversal	-
5794670620	Protected against polarity reversal	1)
5794675220	Protected against polarity reversal	-
5794675270	Protected against polarity reversal	-
5794675280	Protected against polarity reversal	-
5794675680	Protected against polarity reversal	-

Nominal flow Q_n 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.

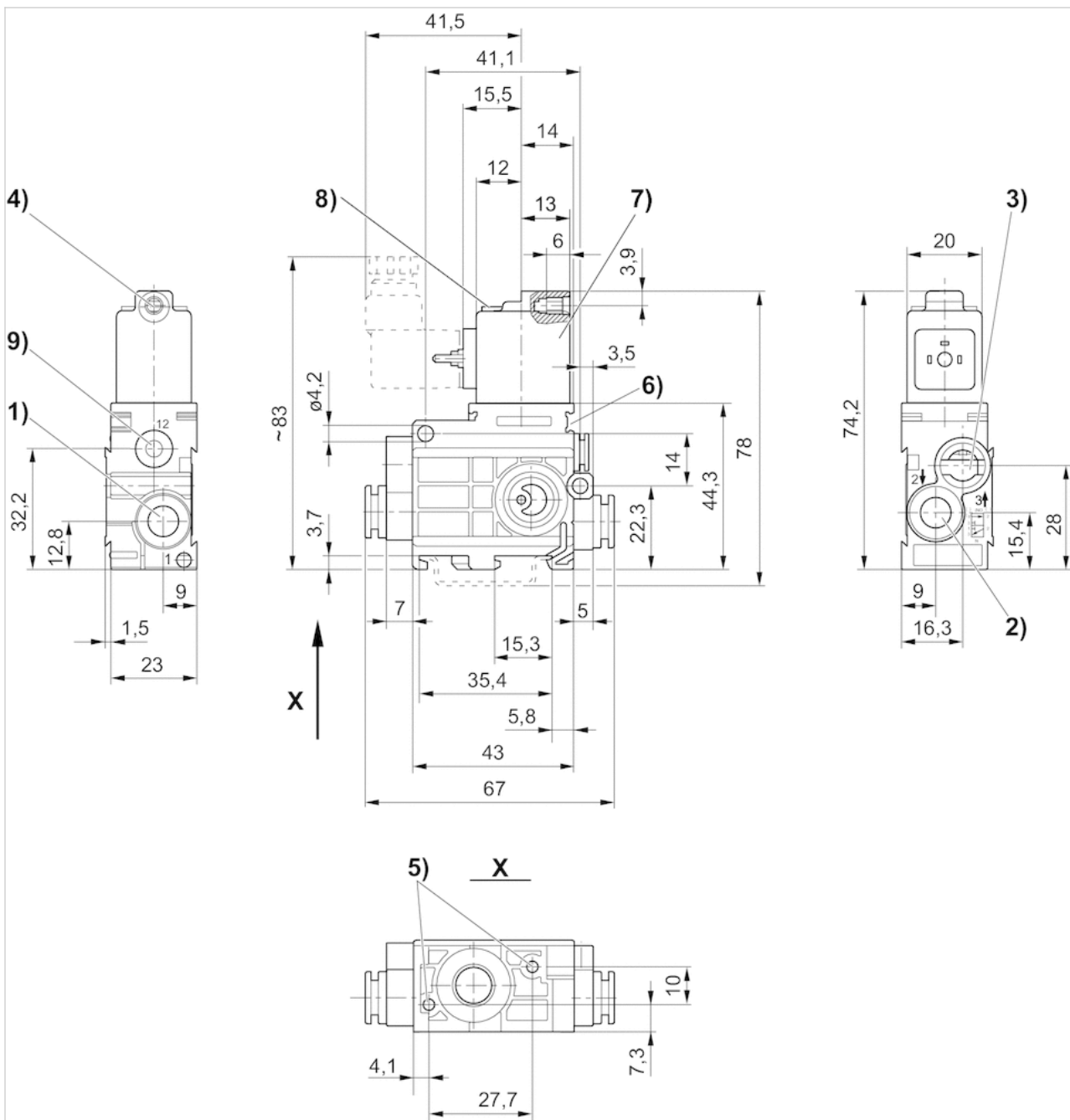
The control pressure must be at least as high as the working pressure.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

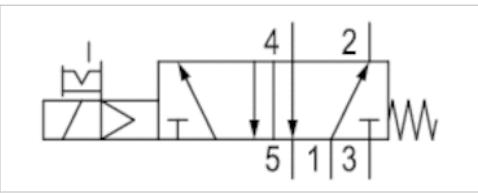
Dimensions



1) Port 12) Port 23) Port 3, exhaust air must not be throttled4) Core Ø for M55) Pocket hole 6 mm deep for 3.5 self-tapping screw6) Mounting space for name plate7) Coil can be rotated at 180° intervals8) LED9) Port 12

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/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	27 ms
Typ. switch-off time	28 ms
Weight	0,133 kg

Technical data

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

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

Part No.	Compressed air connection	Operationalvoltage	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 Q_n at 6 bar and Δp = 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 .

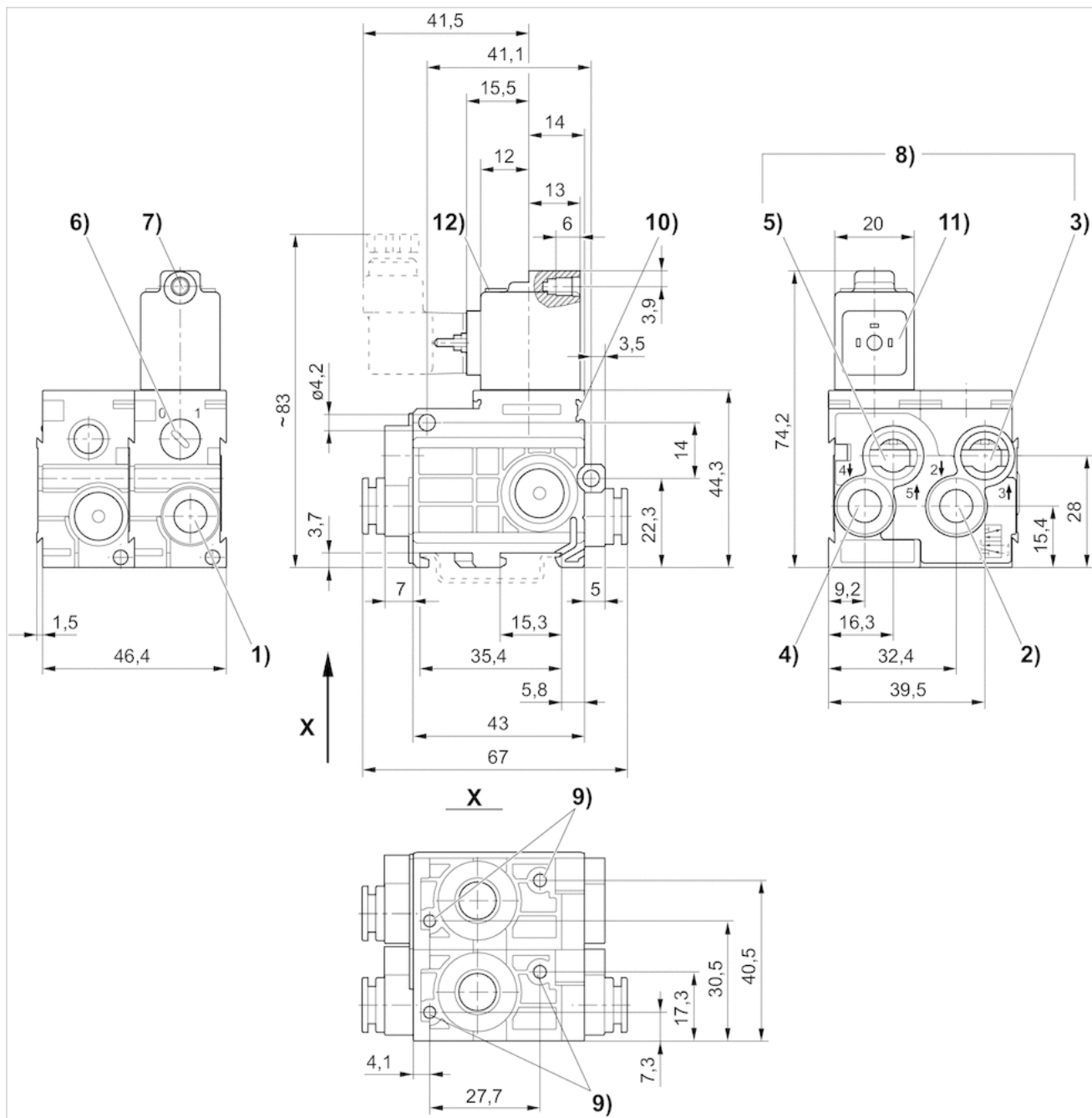
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

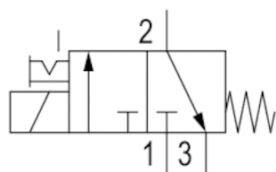
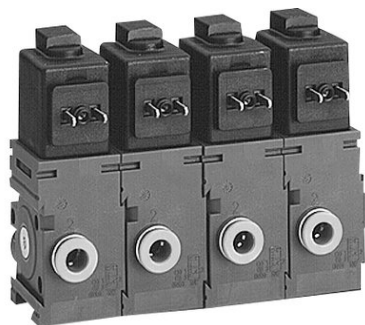
Dimensions



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

3/2-directional valve, Series 579

- Qn = 50 l/min
- Pipe connection
- Compressed air connection output Ø6x1
- Electrical connection Plug, ISO 15217, form C
- Manual override with detent



Version	Poppet valve
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	0 ... 7 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	50 l/min
Protection class, with connection	IP65
Reverse polarity protection	Protected against polarity reversal
Duty cycle	100 %
Typ. switch-on time	20 ms
Typ. switch-off time	23 ms
Weight	0,079 kg

Technical data

Part No.		MO	Type	Compressed air connection	
				Input	
5790200210	NC		Inlet valve	Ø 8x1	
5790200220	NC		Inlet valve	Ø 8x1	
5790200620	NC		Inlet valve	Ø 8x1	
5790205220	NC		Inlet valve	Ø 8x1	
5790205270	NC		Inlet valve	Ø 8x1	
5790205280	NC		Inlet valve	Ø 8x1	
5790205680	NC		Inlet valve	Ø 8x1	
5791200210	NC		Stacking valve	-	
5791200220	NC		Stacking valve	-	
5791200620	NC		Stacking valve	-	
5791205220	NC		Stacking valve	-	
5791205270	NC		Stacking valve	-	
5791205280	NC		Stacking valve	-	
5791205680	NC		Stacking valve	-	
5792200210	NC		End valve	-	
5792200220	NC		End valve	-	
5792200620	NC		End valve	-	
5792205220	NC		End valve	-	
5792205270	NC		End valve	-	
5792205280	NC		End valve	-	

Part No.		MO	Type	Compressed air connection
				Input
5792205680	NC		End valve	-

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Output	DC	AC 50 Hz
5790200210	Ø6x1	12 V	-
5790200220	Ø6x1	24 V	-
5790200620	Ø6x1	24 V	-
5790205220	Ø6x1	-	24 V
5790205270	Ø6x1	-	110 V
5790205280	Ø6x1	-	230 V
5790205680	Ø6x1	-	230 V
5791200210	Ø6x1	12 V	-
5791200220	Ø6x1	24 V	-
5791200620	Ø6x1	24 V	-
5791205220	Ø6x1	-	24 V
5791205270	Ø6x1	-	110 V
5791205280	Ø6x1	-	230 V
5791205680	Ø6x1	-	230 V
5792200210	Ø6x1	12 V	-
5792200220	Ø6x1	24 V	-
5792200620	Ø6x1	24 V	-
5792205220	Ø6x1	-	24 V
5792205270	Ø6x1	-	110 V
5792205280	Ø6x1	-	230 V
5792205680	Ø6x1	-	230 V

Part No.	Operationalvoltage	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5790200210	-	2 W	-	-
5790200220	-	2 W	-	-
5790200620	-	2,1 W	-	-
5790205220	24 V	-	3,1 VA	3,1 VA
5790205270	110 V	-	3 VA	3 VA
5790205280	230 V	-	3,1 VA	3,1 VA
5790205680	230 V	-	3,3 VA	3,3 VA
5791200210	-	2 W	-	-
5791200220	-	2 W	-	-
5791200620	-	2,1 W	-	-
5791205220	24 V	-	3,1 VA	3,1 VA
5791205270	110 V	-	3 VA	3 VA
5791205280	230 V	-	3,1 VA	3,1 VA
5791205680	230 V	-	3,3 VA	3,3 VA
5792200210	-	2 W	-	-
5792200220	-	2 W	-	-
5792200620	-	2,1 W	-	-
5792205220	24 V	-	3,1 VA	3,1 VA
5792205270	110 V	-	3 VA	3 VA
5792205280	230 V	-	3,1 VA	3,1 VA
5792205680	230 V	-	3,3 VA	3,3 VA

Part No.	Switch-on power	Switch-on power	LED	Protected against polarity reversal	
	AC 50 Hz	AC 60 Hz			
5790200210	-	-	-	Protected against polarity reversal	-
5790200220	-	-	-	Protected against polarity reversal	-
5790200620	-	-	Red	Protected against polarity reversal	1)
5790205220	4,2 VA	4,2 VA	-	Protected against polarity reversal	-
5790205270	4,2 VA	4,2 VA	-	Protected against polarity reversal	-
5790205280	4,4 VA	4,4 VA	-	Protected against polarity reversal	-
5790205680	4,6 VA	4,6 VA	Red	Protected against polarity reversal	-
5791200210	-	-	-	Protected against polarity reversal	-
5791200220	-	-	-	Protected against polarity reversal	-
5791200620	-	-	Red	Protected against polarity reversal	1)
5791205220	4,2 VA	4,2 VA	-	Protected against polarity reversal	-
5791205270	4,2 VA	4,2 VA	-	Protected against polarity reversal	-
5791205280	4,4 VA	4,4 VA	-	Protected against polarity reversal	-
5791205680	4,6 VA	4,6 VA	Red	Protected against polarity reversal	-
5792200210	-	-	-	Protected against polarity reversal	-
5792200220	-	-	-	Protected against polarity reversal	-
5792200620	-	-	Red	Protected against polarity reversal	1)
5792205220	4,2 VA	4,2 VA	-	Protected against polarity reversal	-
5792205270	4,2 VA	4,2 VA	-	Protected against polarity reversal	-
5792205280	4,4 VA	4,4 VA	-	Protected against polarity reversal	-
5792205680	4,6 VA	4,6 VA	Red	Protected against polarity reversal	-

Nominal flow Q_n at 6 bar and Δp = 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).

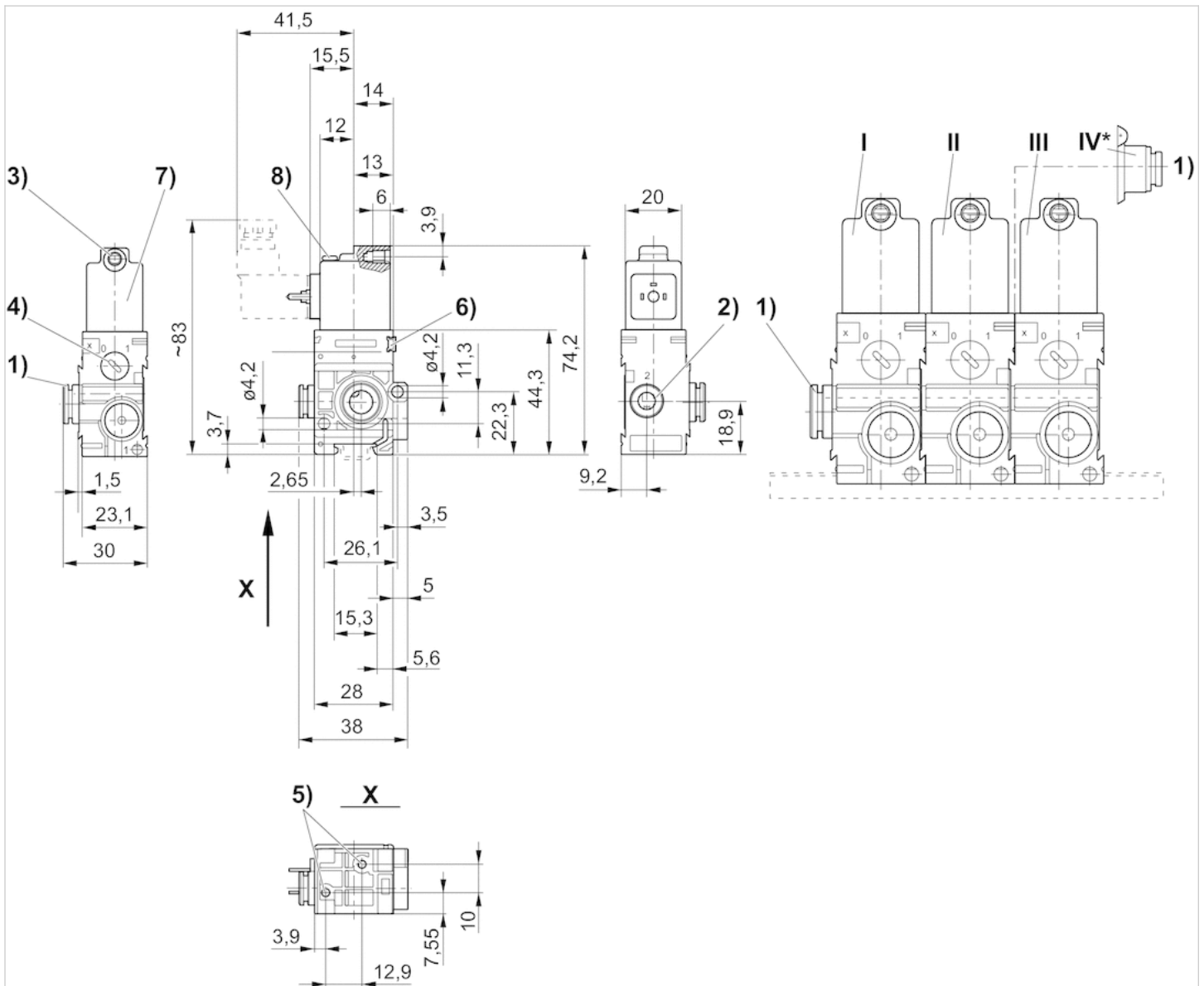
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions

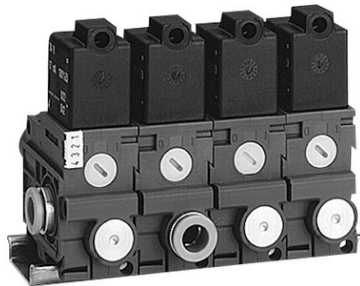


1) Port 12) Port 23) Port 3 core Ø for M54) Manual override5) Pocket hole 6 mm deep for 3.5 self-tapping screw6) Mounting space for name plate7) Coil can be rotated at 180° intervals8) LED* Air conn. module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required.

I = Inlet valve, II = Stacking valve, III = End valve

3/2-directional valve, Series 579

- Qn = 520 l/min
- Pipe connection
- Compressed air connection output Ø6x1
- 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/m³
Nominal flow Qn	520 l/min
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
5790500210		NC		Inlet valve
5790500220		NC		Inlet valve
5790500620		NC		Inlet valve
5790505220		NC		Inlet valve
5790505270		NC		Inlet valve
5790505280		NC		Inlet valve
5790505680		NC		Inlet valve
5791500210		NC		Stacking valve
5791500220		NC		Stacking valve
5791500620		NC		Stacking valve
5791505220		NC		Stacking valve
5791505270		NC		Stacking valve
5791505280		NC		Stacking valve
5791505680		NC		Stacking valve
5796400210		NC		Stacking valve, additional pressure connection
5796400220		NC		Stacking valve, additional pressure connection
5796400620		NC		Stacking valve, additional pressure connection
5796405220		NC		Stacking valve, additional pressure connection
5796405270		NC		Stacking valve, additional pressure connection
5796405280		NC		Stacking valve, additional pressure connection

Part No.			MO	Type
5796405680		NC		Stacking valve, additional pressure connection
5796500210		NC		Stacking valve, additional pressure connection
5796500220		NC		Stacking valve, additional pressure connection
5796500620		NC		Stacking valve, additional pressure connection
5796505220		NC		Stacking valve, additional pressure connection
5796505270		NC		Stacking valve, additional pressure connection
5796505280		NC		Stacking valve, additional pressure connection
5796505680		NC		Stacking valve, additional pressure connection
5792500210		NC		End valve
5792500220		NC		End valve
5792500620		NC		End valve
5792505220		NC		End valve
5792505270		NC		End valve
5792505280		NC		End valve
5792505680		NC		End valve

Part No.	Compressed air connection		Compressed air connection		Operational voltage
	Input		Output		DC
5790500210	Ø 8x1		Ø6x1		12 V
5790500220	Ø 8x1		Ø6x1		24 V
5790500620	Ø 8x1		Ø6x1		24 V
5790505220	Ø 8x1		Ø6x1		-
5790505270	Ø 8x1		Ø6x1		-
5790505280	Ø 8x1		Ø6x1		-
5790505680	Ø 8x1		Ø6x1		-
5791500210	-		Ø6x1		12 V
5791500220	-		Ø6x1		24 V
5791500620	-		Ø6x1		24 V
5791505220	-		Ø6x1		-
5791505270	-		Ø6x1		-
5791505280	-		Ø6x1		-
5791505680	-		Ø6x1		-
5796400210	Ø6x1		Ø6x1		12 V
5796400220	Ø6x1		Ø6x1		24 V
5796400620	Ø6x1		Ø6x1		24 V
5796405220	Ø6x1		Ø6x1		-
5796405270	Ø6x1		Ø6x1		-
5796405280	Ø6x1		Ø6x1		-
5796405680	Ø6x1		Ø6x1		-
5796500210	Ø 8x1		Ø6x1		12 V
5796500220	Ø 8x1		Ø6x1		24 V
5796500620	Ø 8x1		Ø6x1		24 V
5796505220	Ø 8x1		Ø6x1		-
5796505270	Ø 8x1		Ø6x1		-
5796505280	Ø 8x1		Ø6x1		-
5796505680	Ø 8x1		Ø6x1		-
5792500210	-		Ø6x1		12 V
5792500220	-		Ø6x1		24 V

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Input	Output	DC
5792500620	-	Ø6x1	24 V
5792505220	-	Ø6x1	-
5792505270	-	Ø6x1	-
5792505280	-	Ø6x1	-
5792505680	-	Ø6x1	-

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5790500210	-	-	1,6 W	-
5790500220	-	-	1,6 W	-
5790500620	-	-	1,7 W	-
5790505220	24 V	24 V	-	2,2 VA
5790505270	110 V	110 V	-	3 VA
5790505280	230 V	230 V	-	2,3 VA
5790505680	230 V	230 V	-	2,5 VA
5791500210	-	-	1,6 W	-
5791500220	-	-	1,6 W	-
5791500620	-	-	1,7 W	-
5791505220	24 V	24 V	-	2,2 VA
5791505270	110 V	110 V	-	3 VA
5791505280	230 V	230 V	-	2,3 VA
5791505680	230 V	230 V	-	2,5 VA
5796400210	-	-	1,6 W	-
5796400220	-	-	1,6 W	-
5796400620	-	-	1,7 W	-
5796405220	24 V	24 V	-	2,2 VA
5796405270	110 V	110 V	-	3 VA
5796405280	230 V	230 V	-	2,3 VA
5796405680	230 V	230 V	-	2,5 VA
5796500210	-	-	1,6 W	-
5796500220	-	-	1,6 W	-
5796500620	-	-	1,7 W	-
5796505220	24 V	24 V	-	2,2 VA
5796505270	110 V	110 V	-	3 VA
5796505280	230 V	230 V	-	2,3 VA
5796505680	230 V	230 V	-	2,5 VA
5792500210	-	-	1,6 W	-
5792500220	-	-	1,6 W	-
5792500620	-	-	1,7 W	-
5792505220	24 V	24 V	-	2,2 VA
5792505270	110 V	110 V	-	3 VA
5792505280	230 V	230 V	-	2,3 VA
5792505680	230 V	230 V	-	2,5 VA

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5790500210	-	-	-	Internal	-
5790500220	-	-	-	Internal	-
5790500620	-	-	-	Internal	Red

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5790505220	1,8 VA	3 VA	2,6 VA	Internal	-
5790505270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5790505280	2 VA	3,2 VA	2,8 VA	Internal	-
5790505680	2,2 VA	3,4 VA	3 VA	Internal	Red
5791500210	-	-	-	Internal	-
5791500220	-	-	-	Internal	-
5791500620	-	-	-	Internal	Red
5791505220	1,8 VA	3 VA	2,6 VA	Internal	-
5791505270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5791505280	2 VA	3,2 VA	2,8 VA	Internal	-
5791505680	2,2 VA	3,4 VA	3 VA	Internal	Red
5796400210	-	-	-	Internal	-
5796400220	-	-	-	Internal	-
5796400620	-	-	-	Internal	Red
5796405220	1,8 VA	3 VA	2,6 VA	Internal	-
5796405270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5796405280	2 VA	3,2 VA	2,8 VA	Internal	-
5796405680	2,2 VA	3,4 VA	3 VA	Internal	Red
5796500210	-	-	-	Internal	-
5796500220	-	-	-	Internal	-
5796500620	-	-	-	Internal	Red
5796505220	1,8 VA	3 VA	2,6 VA	Internal	-
5796505270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5796505280	2 VA	3,2 VA	2,8 VA	Internal	-
5796505680	2,2 VA	3,4 VA	3 VA	Internal	Red
5792500210	-	-	-	Internal	-
5792500220	-	-	-	Internal	-
5792500620	-	-	-	Internal	Red
5792505220	1,8 VA	3 VA	2,6 VA	Internal	-
5792505270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5792505280	2 VA	3,2 VA	2,8 VA	Internal	-
5792505680	2,2 VA	3,4 VA	3 VA	Internal	Red

Part No.	Protected against polarity reversal	
5790500210	Protected against polarity reversal	-
5790500220	Protected against polarity reversal	-
5790500620	Protected against polarity reversal	1)
5790505220	Protected against polarity reversal	-
5790505270	Protected against polarity reversal	-
5790505280	Protected against polarity reversal	-
5790505680	Protected against polarity reversal	-
5791500210	Protected against polarity reversal	-
5791500220	Protected against polarity reversal	-
5791500620	Protected against polarity reversal	1)
5791505220	Protected against polarity reversal	-
5791505270	Protected against polarity reversal	-
5791505280	Protected against polarity reversal	-

Part No.	Protected against polarity reversal	
5791505680	Protected against polarity reversal	-
5796400210	Protected against polarity reversal	-
5796400220	Protected against polarity reversal	-
5796400620	Protected against polarity reversal	1)
5796405220	Protected against polarity reversal	-
5796405270	Protected against polarity reversal	-
5796405280	Protected against polarity reversal	-
5796405680	Protected against polarity reversal	-
5796500210	Protected against polarity reversal	-
5796500220	Protected against polarity reversal	-
5796500620	Protected against polarity reversal	1)
5796505220	Protected against polarity reversal	-
5796505270	Protected against polarity reversal	-
5796505280	Protected against polarity reversal	-
5796505680	Protected against polarity reversal	-
5792500210	Protected against polarity reversal	-
5792500220	Protected against polarity reversal	-
5792500620	Protected against polarity reversal	1)
5792505220	Protected against polarity reversal	-
5792505270	Protected against polarity reversal	-
5792505280	Protected against polarity reversal	-
5792505680	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 .

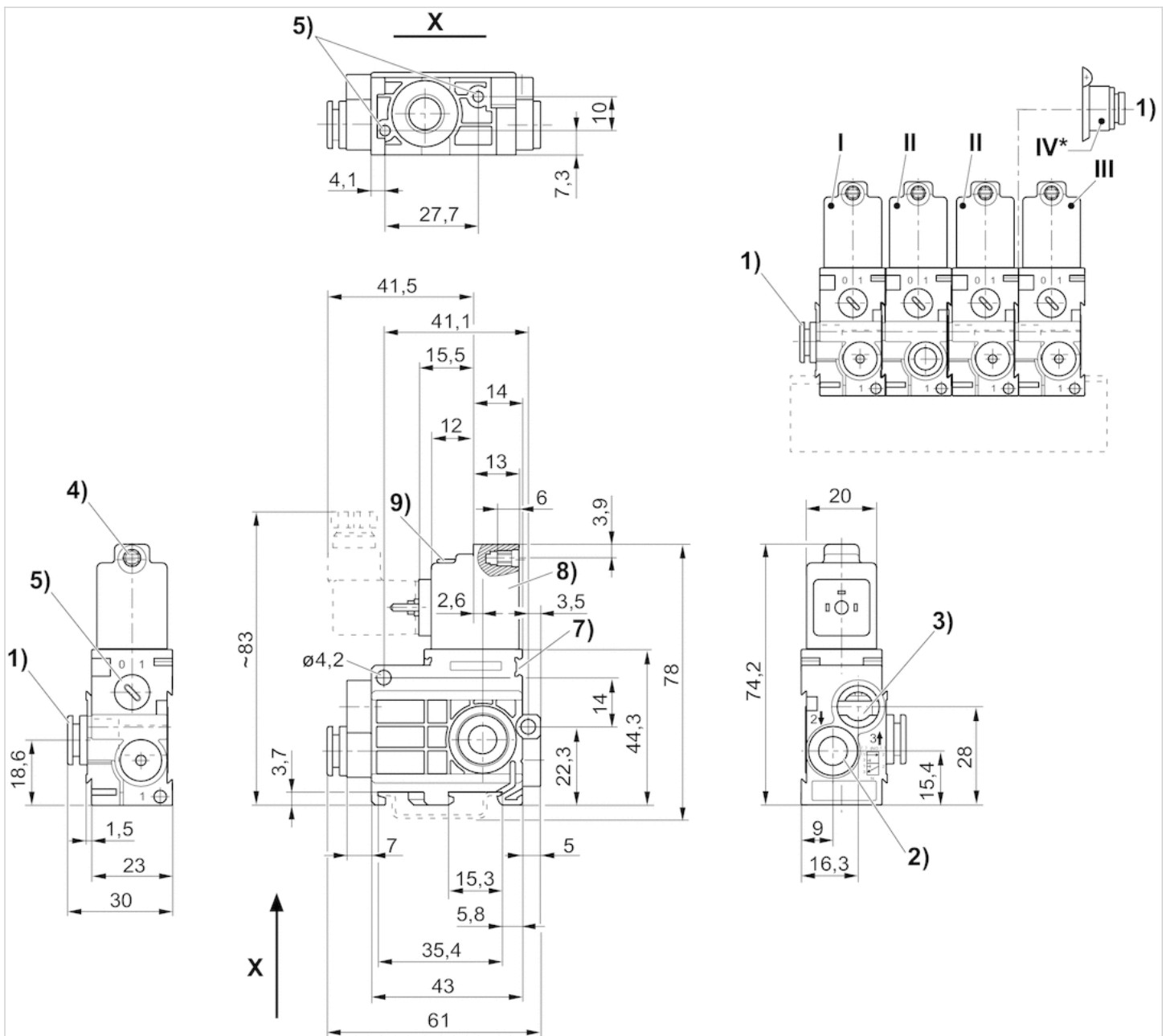
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

Dimensions

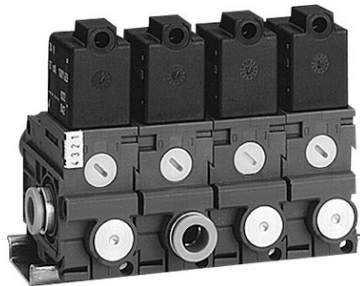


1) Port 12) Port 23) Port 3, exhaust air must not be throttled4) Core Ø for M55) Manual override6) Pocket hole 6 mm deep for 3.5 self-tapping screw7) Mounting space for name plate8) Coil can be rotated at 180° intervals9) LED* Air conn. module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required.

I = Inlet valve, II = Stacking valve, III = End valve

3/2-directional valve, Series 579

- Qn = 520 l/min
- Pipe connection
- Compressed air connection output Ø6x1
- 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/m³
Nominal flow Qn	520 l/min
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
5790510210		NO		Inlet valve
5790510220		NO		Inlet valve
5790515220		NO		Inlet valve
5790510620		NO		Inlet valve
5790515270		NO		Inlet valve
5790515280		NO		Inlet valve
5790515680		NO		Inlet valve
5791510210		NO		Stacking valve
5791510220		NO		Stacking valve
5791510620		NO		Stacking valve
5791515220		NO		Stacking valve
5791515270		NO		Stacking valve
5791515280		NO		Stacking valve
5791515680		NO		Stacking valve
5796410210		NO		Stacking valve, additional pressure connection
5796410220		NO		Stacking valve, additional pressure connection
5796410620		NO		Stacking valve, additional pressure connection
5796415220		NO		Stacking valve, additional pressure connection
5796415270		NO		Stacking valve, additional pressure connection
5796415280		NO		Stacking valve, additional pressure connection

Part No.			MO	Type
5796415680		NO		Stacking valve, additional pressure connection
5796510210		NO		Stacking valve, additional pressure connection
5796510220		NO		Stacking valve, additional pressure connection
5796510620		NO		Stacking valve, additional pressure connection
5796515220		NO		Stacking valve, additional pressure connection
5796515270		NO		Stacking valve, additional pressure connection
5796515280		NO		Stacking valve, additional pressure connection
5796515680		NO		Stacking valve, additional pressure connection
5792510210	—	NO		End valve
5792510220	—	NO		End valve
5792510620	—	NO		End valve
5792515220	—	NO		End valve
5792515270	—	NO		End valve
5792515280	—	NO		End valve
5792515680	—	NO		End valve

Part No.	Compressed air connection		Compressed air connection		Operational voltage
	Input		Output		DC
5790510210	Ø 8x1		Ø6x1		12 V
5790510220	Ø 8x1		Ø6x1		24 V
5790515220	Ø 8x1		Ø6x1		-
5790510620	Ø 8x1		Ø6x1		24 V
5790515270	Ø 8x1		Ø6x1		-
5790515280	Ø 8x1		Ø6x1		-
5790515680	Ø 8x1		Ø6x1		-
5791510210	-		Ø6x1		12 V
5791510220	-		Ø6x1		24 V
5791510620	-		Ø6x1		24 V
5791515220	-		Ø6x1		-
5791515270	-		Ø6x1		-
5791515280	-		Ø6x1		-
5791515680	-		Ø6x1		-
5796410210	Ø6x1		Ø6x1		12 V
5796410220	Ø6x1		Ø6x1		24 V
5796410620	Ø6x1		Ø6x1		24 V
5796415220	Ø6x1		Ø6x1		-
5796415270	Ø6x1		Ø6x1		-
5796415280	Ø6x1		Ø6x1		-
5796415680	Ø6x1		Ø6x1		-
5796510210	Ø 8x1		Ø6x1		12 V
5796510220	Ø 8x1		Ø6x1		24 V
5796510620	Ø 8x1		Ø6x1		24 V
5796515220	Ø 8x1		Ø6x1		-
5796515270	Ø 8x1		Ø6x1		-
5796515280	Ø 8x1		Ø6x1		-
5796515680	Ø 8x1		Ø6x1		-
5792510210	-		Ø6x1		12 V
5792510220	-		Ø6x1		24 V

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Input	Output	DC
5792510620	-	Ø6x1	24 V
5792515220	-	Ø6x1	-
5792515270	-	Ø6x1	-
5792515280	-	Ø6x1	-
5792515680	-	Ø6x1	-

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5790510210	-	-	1,6 W	-
5790510220	-	-	1,6 W	-
5790515220	24 V	24 V	-	2,2 VA
5790510620	-	-	1,7 W	-
5790515270	110 V	110 V	-	3 VA
5790515280	230 V	230 V	-	2,3 VA
5790515680	230 V	230 V	-	2,5 VA
5791510210	-	-	1,6 W	-
5791510220	-	-	1,6 W	-
5791510620	-	-	1,7 W	-
5791515220	24 V	24 V	-	2,2 VA
5791515270	110 V	110 V	-	3 VA
5791515280	230 V	230 V	-	2,3 VA
5791515680	230 V	230 V	-	2,5 VA
5796410210	-	-	1,6 W	-
5796410220	-	-	1,6 W	-
5796410620	-	-	1,7 W	-
5796415220	24 V	24 V	-	2,2 VA
5796415270	110 V	110 V	-	3 VA
5796415280	230 V	230 V	-	2,3 VA
5796415680	230 V	230 V	-	2,5 VA
5796510210	-	-	1,6 W	-
5796510220	-	-	1,6 W	-
5796510620	-	-	1,7 W	-
5796515220	24 V	24 V	-	2,2 VA
5796515270	110 V	110 V	-	3 VA
5796515280	230 V	230 V	-	2,3 VA
5796515680	230 V	230 V	-	2,5 VA
5792510210	-	-	1,6 W	-
5792510220	-	-	1,6 W	-
5792510620	-	-	1,7 W	-
5792515220	24 V	24 V	-	2,2 VA
5792515270	110 V	110 V	-	3 VA
5792515280	230 V	230 V	-	2,3 VA
5792515680	230 V	230 V	-	2,5 VA

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5790510210	-	-	-	Internal	-
5790510220	-	-	-	Internal	-
5790515220	1,8 VA	3 VA	2,6 VA	Internal	-

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5790510620	-	-	-	Internal	Red
5790515270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5790515280	2 VA	3,2 VA	2,8 VA	Internal	-
5790515680	2,2 VA	3,4 VA	3 VA	Internal	Red
5791510210	-	-	-	Internal	-
5791510220	-	-	-	Internal	-
5791510620	-	-	-	Internal	Red
5791515220	1,8 VA	3 VA	2,6 VA	Internal	-
5791515270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5791515280	2 VA	3,2 VA	2,8 VA	Internal	-
5791515680	2,2 VA	3,4 VA	3 VA	Internal	Red
5796410210	-	-	-	Internal	-
5796410220	-	-	-	Internal	-
5796410620	-	-	-	Internal	Red
5796415220	1,8 VA	3 VA	2,6 VA	Internal	-
5796415270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5796415280	2 VA	3,2 VA	2,8 VA	Internal	-
5796415680	2,2 VA	3,4 VA	3 VA	Internal	Red
5796510210	-	-	-	Internal	-
5796510220	-	-	-	Internal	-
5796510620	-	-	-	Internal	Red
5796515220	1,8 VA	3 VA	2,6 VA	Internal	-
5796515270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5796515280	2 VA	3,2 VA	2,8 VA	Internal	-
5796515680	2,2 VA	3,4 VA	3 VA	Internal	Red
5792510210	-	-	-	Internal	-
5792510220	-	-	-	Internal	-
5792510620	-	-	-	Internal	Red
5792515220	1,8 VA	3 VA	2,6 VA	Internal	-
5792515270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5792515280	2 VA	3,2 VA	2,8 VA	Internal	-
5792515680	2,2 VA	3,4 VA	3 VA	Internal	Red

Part No.	Protected against polarity reversal	
5790510210	Protected against polarity reversal	-
5790510220	Protected against polarity reversal	-
5790515220	Protected against polarity reversal	-
5790510620	Protected against polarity reversal	1)
5790515270	Protected against polarity reversal	-
5790515280	Protected against polarity reversal	-
5790515680	Protected against polarity reversal	-
5791510210	Protected against polarity reversal	-
5791510220	Protected against polarity reversal	-
5791510620	Protected against polarity reversal	1)
5791515220	Protected against polarity reversal	-
5791515270	Protected against polarity reversal	-
5791515280	Protected against polarity reversal	-

Part No.	Protected against polarity reversal	
5791515680	Protected against polarity reversal	-
5796410210	Protected against polarity reversal	-
5796410220	Protected against polarity reversal	-
5796410620	Protected against polarity reversal	1)
5796415220	Protected against polarity reversal	-
5796415270	Protected against polarity reversal	-
5796415280	Protected against polarity reversal	-
5796415680	Protected against polarity reversal	-
5796510210	Protected against polarity reversal	-
5796510220	Protected against polarity reversal	-
5796510620	Protected against polarity reversal	1)
5796515220	Protected against polarity reversal	-
5796515270	Protected against polarity reversal	-
5796515280	Protected against polarity reversal	-
5796515680	Protected against polarity reversal	-
5792510210	Protected against polarity reversal	-
5792510220	Protected against polarity reversal	-
5792510620	Protected against polarity reversal	1)
5792515220	Protected against polarity reversal	-
5792515270	Protected against polarity reversal	-
5792515280	Protected against polarity reversal	-
5792515680	Protected against polarity reversal	-

Nominal flow Q_n 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 .

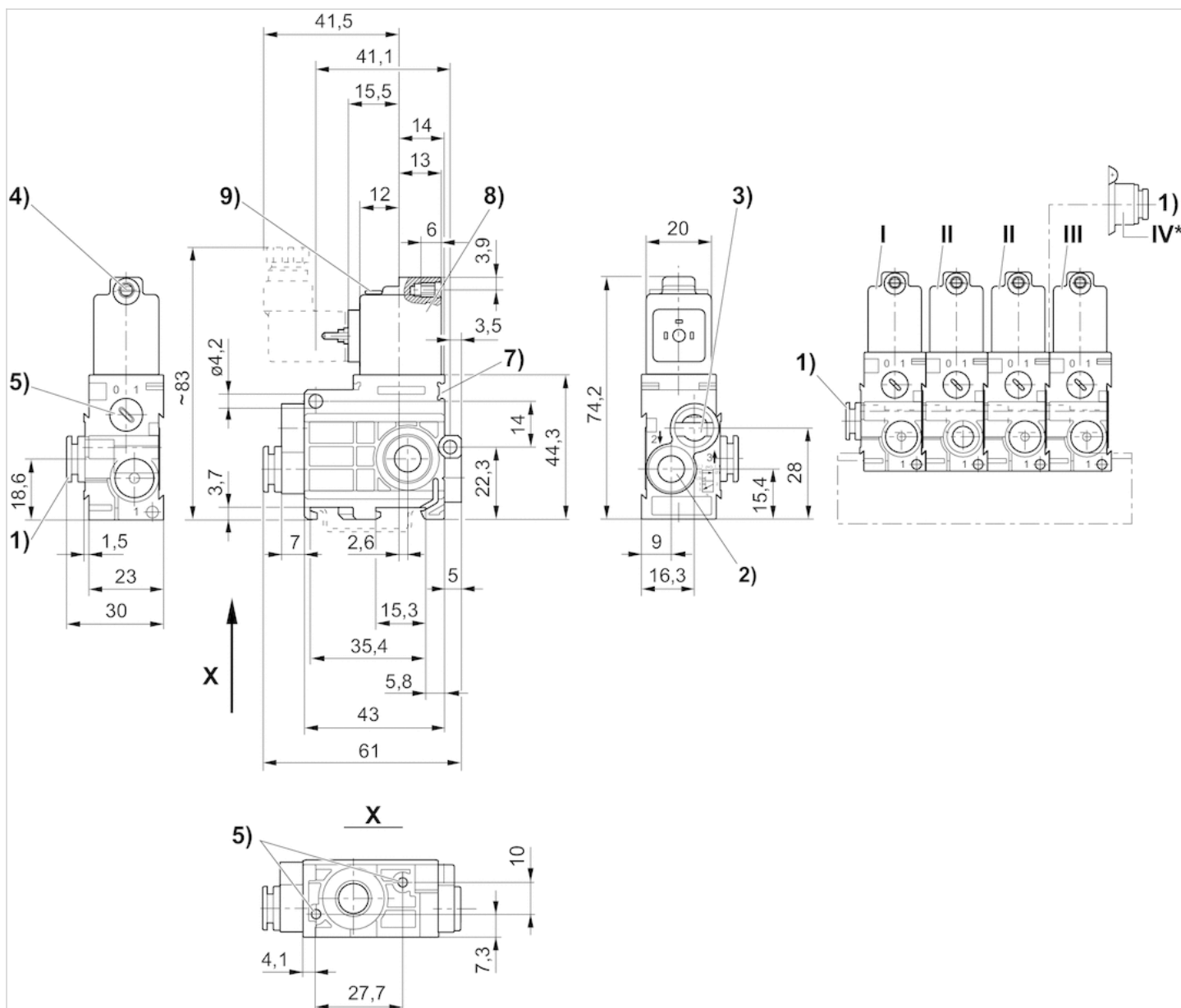
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

Dimensions



1) Port 12) Port 23) Port 3, exhaust air must not be throttled4) Core Ø for M55) Manual override6) Pocket hole 6 mm deep for 3.5 self-tapping screw7) Mounting space for name plate8) Coil can be rotated at 180° intervals9) LED* Air conn. module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required.

I = Inlet valve, II = Stacking valve, III = End valve

3/2-directional valve, Series 579

- Q_n = 520 l/min
- Pipe connection
- Compressed air connection output Ø6x1
- Electrical connection Plug, ISO 15217, form C



Version	Poppet valve
Activation	Electrically
Pilot	External
Sealing principle	Soft sealing
Working pressure min./max.	0,5 ... 8 bar
Control 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 Q _n	520 l/min
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.			Type
5790570210		NC	Inlet valve
5790570220		NC	Inlet valve
5790570620		NC	Inlet valve
5790575220		NC	Inlet valve
5790575270		NC	Inlet valve
5790575280		NC	Inlet valve
5790575680		NC	Inlet valve
5791570210		NC	Stacking valve
5791570220		NC	Stacking valve
5791570620		NC	Stacking valve
5791575220		NC	Stacking valve
5791575270		NC	Stacking valve
5791575280		NC	Stacking valve
5791575680		NC	Stacking valve
5796470210		NC	Stacking valve, additional pressure connection
5796470220		NC	Stacking valve, additional pressure connection
5796470620		NC	Stacking valve, additional pressure connection
5796475220		NC	Stacking valve, additional pressure connection
5796475270		NC	Stacking valve, additional pressure connection
5796475280		NC	Stacking valve, additional pressure connection

Part No.			Type
5796475680		NC	Stacking valve, additional pressure connection
5796570210		NC	Stacking valve, additional pressure connection
5796570220		NC	Stacking valve, additional pressure connection
5796570620		NC	Stacking valve, additional pressure connection
5796575220		NC	Stacking valve, additional pressure connection
5796575270		NC	Stacking valve, additional pressure connection
5796575280		NC	Stacking valve, additional pressure connection
5796575680		NC	Stacking valve, additional pressure connection
5792570210		NC	End valve
5792570220		NC	End valve
5792570620		NC	End valve
5792575220		NC	End valve
5792575270		NC	End valve
5792575280		NC	End valve
5792575680		NC	End valve

Part No.	Compressed air connection	
	Input	Output
5790570210	Ø 8x1	Ø6x1
5790570220	Ø 8x1	Ø6x1
5790570620	Ø 8x1	Ø6x1
5790575220	Ø 8x1	Ø6x1
5790575270	Ø 8x1	Ø6x1
5790575280	Ø 8x1	Ø6x1
5790575680	Ø 8x1	Ø6x1
5791570210	-	Ø6x1
5791570220	-	Ø6x1
5791570620	-	Ø6x1
5791575220	-	Ø6x1
5791575270	-	Ø6x1
5791575280	-	Ø6x1
5791575680	-	Ø6x1
5796470210	Ø6x1	Ø6x1
5796470220	Ø6x1	Ø6x1
5796470620	Ø6x1	Ø6x1
5796475220	Ø6x1	Ø6x1
5796475270	Ø6x1	Ø6x1
5796475280	Ø6x1	Ø6x1
5796475680	Ø6x1	Ø6x1
5796570210	Ø 8x1	Ø6x1
5796570220	Ø 8x1	Ø6x1
5796570620	Ø 8x1	Ø6x1
5796575220	Ø 8x1	Ø6x1
5796575270	Ø 8x1	Ø6x1
5796575280	Ø 8x1	Ø6x1
5796575680	Ø 8x1	Ø6x1
5792570210	-	Ø6x1
5792570220	-	Ø6x1

Part No.	Compressed air connection	
	Input	Output
5792570620	-	Ø6x1
5792575220	-	Ø6x1
5792575270	-	Ø6x1
5792575280	-	Ø6x1
5792575680	-	Ø6x1

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Pilot connection	DC	AC 50 Hz
5790570210	Ø 4	12 V	-
5790570220	Ø 4	24 V	-
5790570620	Ø 4	24 V	-
5790575220	Ø 4	-	24 V
5790575270	Ø 4	-	110 V
5790575280	Ø 4	-	230 V
5790575680	Ø 4	-	230 V
5791570210	Ø 4	12 V	-
5791570220	Ø 4	24 V	-
5791570620	Ø 4	24 V	-
5791575220	Ø 4	-	24 V
5791575270	Ø 4	-	110 V
5791575280	Ø 4	-	230 V
5791575680	Ø 4	-	230 V
5796470210	Ø 4	12 V	-
5796470220	Ø 4	24 V	-
5796470620	Ø 4	24 V	-
5796475220	Ø 4	-	24 V
5796475270	Ø 4	-	110 V
5796475280	Ø 4	-	230 V
5796475680	Ø 4	-	230 V
5796570210	Ø 4	12 V	-
5796570220	Ø 4	24 V	-
5796570620	Ø 4	24 V	-
5796575220	Ø 4	-	24 V
5796575270	Ø 4	-	110 V
5796575280	Ø 4	-	230 V
5796575680	Ø 4	-	230 V
5792570210	Ø 4	12 V	-
5792570220	Ø 4	24 V	-
5792570620	Ø 4	24 V	-
5792575220	Ø 4	-	24 V
5792575270	Ø 4	-	110 V
5792575280	Ø 4	-	230 V
5792575680	Ø 4	-	230 V

Part No.	Operationalvoltage	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5790570210	-	1,6 W	-	-
5790570220	-	1,6 W	-	-
5790570620	-	1,7 W	-	-

Part No.	Operational voltage	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5790575220	24 V	-	2,2 VA	1,8 VA
5790575270	110 V	-	3 VA	2,4 VA
5790575280	230 V	-	2,3 VA	2 VA
5790575680	230 V	-	2,5 VA	2,2 VA
5791570210	-	1,6 W	-	-
5791570220	-	1,6 W	-	-
5791570620	-	1,7 W	-	-
5791575220	24 V	-	2,2 VA	1,8 VA
5791575270	110 V	-	3 VA	2,4 VA
5791575280	230 V	-	2,3 VA	2 VA
5791575680	230 V	-	2,5 VA	2,2 VA
5796470210	-	1,6 W	-	-
5796470220	-	1,6 W	-	-
5796470620	-	1,7 W	-	-
5796475220	24 V	-	2,2 VA	1,8 VA
5796475270	110 V	-	3 VA	2,4 VA
5796475280	230 V	-	2,3 VA	2 VA
5796475680	230 V	-	2,5 VA	2,2 VA
5796570210	-	1,6 W	-	-
5796570220	-	1,6 W	-	-
5796570620	-	1,7 W	-	-
5796575220	24 V	-	2,2 VA	1,8 VA
5796575270	110 V	-	3 VA	2,4 VA
5796575280	230 V	-	2,3 VA	2 VA
5796575680	230 V	-	2,5 VA	2,2 VA
5792570210	-	1,6 W	-	-
5792570220	-	1,6 W	-	-
5792570620	-	1,7 W	-	-
5792575220	24 V	-	2,2 VA	1,8 VA
5792575270	110 V	-	3 VA	2,4 VA
5792575280	230 V	-	2,3 VA	2 VA
5792575680	230 V	-	2,5 VA	2,2 VA

Part No.	Switch-on power	Switch-on power	Pilot	LED
	AC 50 Hz	AC 60 Hz		
5790570210	-	-	External	-
5790570220	-	-	External	-
5790570620	-	-	External	Red
5790575220	3 VA	2,6 VA	External	-
5790575270	4,2 VA	3,4 VA	External	-
5790575280	3,2 VA	2,8 VA	External	-
5790575680	3,4 VA	3 VA	External	Red
5791570210	-	-	External	-
5791570220	-	-	External	-
5791570620	-	-	External	Red
5791575220	3 VA	2,6 VA	External	-
5791575270	4,2 VA	3,4 VA	External	-
5791575280	3,2 VA	2,8 VA	External	-

Part No.	Switch-on power	Switch-on power	Pilot	LED
	AC 50 Hz	AC 60 Hz		
5791575680	3,4 VA	3 VA	External	Red
5796470210	-	-	External	-
5796470220	-	-	External	-
5796470620	-	-	External	Red
5796475220	3 VA	2,6 VA	External	-
5796475270	4,2 VA	3,4 VA	External	-
5796475280	3,2 VA	2,8 VA	External	-
5796475680	3,4 VA	3 VA	External	Red
5796570210	-	-	External	-
5796570220	-	-	External	-
5796570620	-	-	External	Red
5796575220	3 VA	2,6 VA	External	-
5796575270	4,2 VA	3,4 VA	External	-
5796575280	3,2 VA	2,8 VA	External	-
5796575680	3,4 VA	3 VA	External	Red
5792570210	-	-	External	-
5792570220	-	-	External	-
5792570620	-	-	External	Red
5792575220	3 VA	2,6 VA	External	-
5792575270	4,2 VA	3,4 VA	External	-
5792575280	3,2 VA	2,8 VA	External	-
5792575680	3,4 VA	3 VA	External	Red

Part No.	Protected against polarity reversal	
5790570210	Protected against polarity reversal	-
5790570220	Protected against polarity reversal	-
5790570620	Protected against polarity reversal	1)
5790575220	Protected against polarity reversal	-
5790575270	Protected against polarity reversal	-
5790575280	Protected against polarity reversal	-
5790575680	Protected against polarity reversal	-
5791570210	Protected against polarity reversal	-
5791570220	Protected against polarity reversal	-
5791570620	Protected against polarity reversal	1)
5791575220	Protected against polarity reversal	-
5791575270	Protected against polarity reversal	-
5791575280	Protected against polarity reversal	-
5791575680	Protected against polarity reversal	-
5796470210	Protected against polarity reversal	-
5796470220	Protected against polarity reversal	-
5796470620	Protected against polarity reversal	1)
5796475220	Protected against polarity reversal	-
5796475270	Protected against polarity reversal	-
5796475280	Protected against polarity reversal	-
5796475680	Protected against polarity reversal	-
5796570210	Protected against polarity reversal	-
5796570220	Protected against polarity reversal	-

Part No.	Protected against polarity reversal	
5796570620	Protected against polarity reversal	1)
5796575220	Protected against polarity reversal	-
5796575270	Protected against polarity reversal	-
5796575280	Protected against polarity reversal	-
5796575680	Protected against polarity reversal	-
5792570210	Protected against polarity reversal	-
5792570220	Protected against polarity reversal	-
5792570620	Protected against polarity reversal	1)
5792575220	Protected against polarity reversal	-
5792575270	Protected against polarity reversal	-
5792575280	Protected against polarity reversal	-
5792575680	Protected against polarity reversal	-

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar

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.

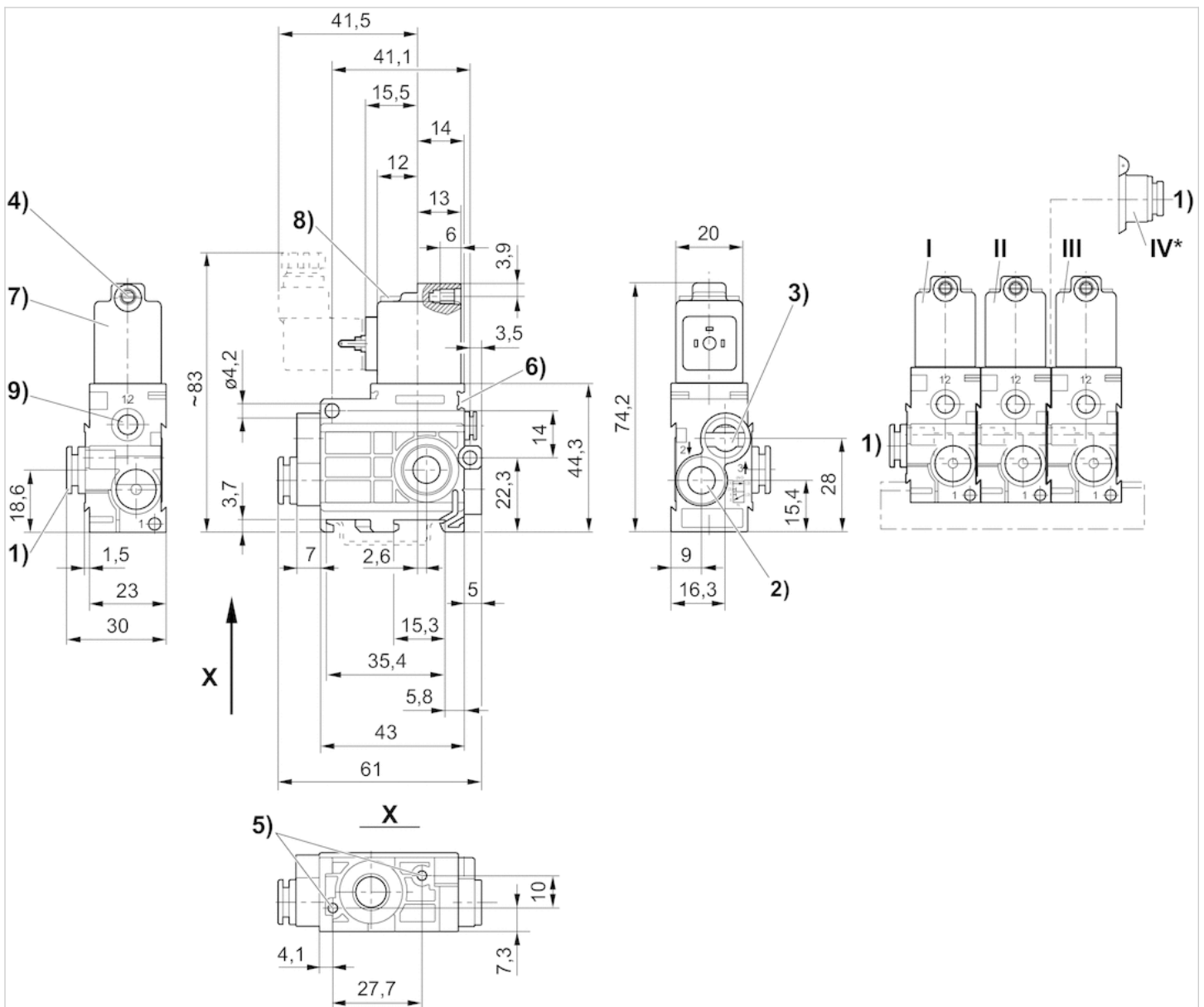
The control pressure must be at least as high as the working pressure.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

Dimensions



- 1) Port 12) Port 23) Port 3, exhaust air must not be throttled4) Core Ø for M55) Pocket hole 6 mm deep for 3.5 self-tapping screw6) Mounting space for name plate7) Coil can be rotated at 180° intervals8) LED9) Port 12* Air connection module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required.
I = Inlet valve, II = Stacking valve, III = End valve

3/2-directional valve, Series 579

- Q_n = 520 l/min
- Pipe connection
- Compressed air connection output Ø6x1
- Electrical connection Plug, ISO 15217, form C



Version	Poppet valve
Activation	Electrically
Pilot	External
Sealing principle	Soft sealing
Working pressure min./max.	0,5 ... 8 bar
Control 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 Q _n	520 l/min
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.			Type
5790520210		NO	Inlet valve
5790520220		NO	Inlet valve
5790520620		NO	Inlet valve
5790525220		NO	Inlet valve
5790525270		NO	Inlet valve
5790525280		NO	Inlet valve
5790525680		NO	Inlet valve
5791520210		NO	Stacking valve
5791520220		NO	Stacking valve
5791520620		NO	Stacking valve
5791525220		NO	Stacking valve
5791525270		NO	Stacking valve
5791525280		NO	Stacking valve
5791525680		NO	Stacking valve
5796420210		NO	Stacking valve, additional pressure connection
5796420220		NO	Stacking valve, additional pressure connection
5796420620		NO	Stacking valve, additional pressure connection
5796425220		NO	Stacking valve, additional pressure connection
5796425270		NO	Stacking valve, additional pressure connection
5796425280		NO	Stacking valve, additional pressure connection

Part No.			Type
5796425680		NO	Stacking valve, additional pressure connection
5796520210		NO	Stacking valve, additional pressure connection
5796520220		NO	Stacking valve, additional pressure connection
5796520620		NO	Stacking valve, additional pressure connection
5796525220		NO	Stacking valve, additional pressure connection
5796525270		NO	Stacking valve, additional pressure connection
5796525280		NO	Stacking valve, additional pressure connection
5796525680		NO	Stacking valve, additional pressure connection
5792520210		NO	End valve
5792520220		NO	End valve
5792520620		NO	End valve
5792525220		NO	End valve
5792525270		NO	End valve
5792525280		NO	End valve
5792525680		NO	End valve

Part No.	Compressed air connection	Compressed air connection
	Input	Output
5790520210	Ø 8x1	Ø6x1
5790520220	Ø 8x1	Ø6x1
5790520620	Ø 8x1	Ø6x1
5790525220	Ø 8x1	Ø6x1
5790525270	Ø 8x1	Ø6x1
5790525280	Ø 8x1	Ø6x1
5790525680	Ø 8x1	Ø6x1
5791520210	-	Ø6x1
5791520220	-	Ø6x1
5791520620	-	Ø6x1
5791525220	-	Ø6x1
5791525270	-	Ø6x1
5791525280	-	Ø6x1
5791525680	-	Ø6x1
5796420210	Ø6x1	Ø6x1
5796420220	Ø6x1	Ø6x1
5796420620	Ø6x1	Ø6x1
5796425220	Ø6x1	Ø6x1
5796425270	Ø6x1	Ø6x1
5796425280	Ø6x1	Ø6x1
5796425680	Ø6x1	Ø6x1
5796520210	Ø 8x1	Ø6x1
5796520220	Ø 8x1	Ø6x1
5796520620	Ø 8x1	Ø6x1
5796525220	Ø 8x1	Ø6x1
5796525270	Ø 8x1	Ø6x1
5796525280	Ø 8x1	Ø6x1
5796525680	Ø 8x1	Ø6x1
5792520210	-	Ø6x1
5792520220	-	Ø6x1

Part No.	Compressed air connection	
	Input	Output
5792520620	-	Ø6x1
5792525220	-	Ø6x1
5792525270	-	Ø6x1
5792525280	-	Ø6x1
5792525680	-	Ø6x1

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Pilot connection	DC	AC 50 Hz
5790520210	Ø 4	12 V	-
5790520220	Ø 4	24 V	-
5790520620	Ø 4	24 V	-
5790525220	Ø 4	-	24 V
5790525270	Ø 4	-	110 V
5790525280	Ø 4	-	230 V
5790525680	Ø 4	-	230 V
5791520210	Ø 4	12 V	-
5791520220	Ø 4	24 V	-
5791520620	Ø 4	24 V	-
5791525220	Ø 4	-	24 V
5791525270	Ø 4	-	110 V
5791525280	Ø 4	-	230 V
5791525680	Ø 4	-	230 V
5796420210	Ø 4	12 V	-
5796420220	Ø 4	24 V	-
5796420620	Ø 4	24 V	-
5796425220	Ø 4	-	24 V
5796425270	Ø 4	-	110 V
5796425280	Ø 4	-	230 V
5796425680	Ø 4	-	230 V
5796520210	Ø 4	12 V	-
5796520220	Ø 4	24 V	-
5796520620	Ø 4	24 V	-
5796525220	Ø 4	-	24 V
5796525270	Ø 4	-	110 V
5796525280	Ø 4	-	230 V
5796525680	Ø 4	-	230 V
5792520210	Ø 4	12 V	-
5792520220	Ø 4	24 V	-
5792520620	Ø 4	24 V	-
5792525220	Ø 4	-	24 V
5792525270	Ø 4	-	110 V
5792525280	Ø 4	-	230 V
5792525680	Ø 4	-	230 V

Part No.	Operationalvoltage	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5790520210	-	1,6 W	-	-
5790520220	-	1,6 W	-	-
5790520620	-	1,7 W	-	-

Part No.	Operational voltage	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5790525220	24 V	-	2,2 VA	1,8 VA
5790525270	110 V	-	3 VA	2,4 VA
5790525280	230 V	-	2,3 VA	2 VA
5790525680	230 V	-	2,5 VA	2,2 VA
5791520210	-	1,6 W	-	-
5791520220	-	1,6 W	-	-
5791520620	-	1,7 W	-	-
5791525220	24 V	-	2,2 VA	1,8 VA
5791525270	110 V	-	3 VA	2,4 VA
5791525280	230 V	-	2,3 VA	2 VA
5791525680	230 V	-	2,5 VA	2,2 VA
5796420210	-	1,6 W	-	-
5796420220	-	1,6 W	-	-
5796420620	-	1,7 W	-	-
5796425220	24 V	-	2,2 VA	1,8 VA
5796425270	110 V	-	3 VA	2,4 VA
5796425280	230 V	-	2,3 VA	2 VA
5796425680	230 V	-	2,5 VA	2,2 VA
5796520210	-	1,6 W	-	-
5796520220	-	1,6 W	-	-
5796520620	-	1,7 W	-	-
5796525220	24 V	-	2,2 VA	1,8 VA
5796525270	110 V	-	3 VA	2,4 VA
5796525280	230 V	-	2,3 VA	2 VA
5796525680	230 V	-	2,5 VA	2,2 VA
5792520210	-	1,6 W	-	-
5792520220	-	1,6 W	-	-
5792520620	-	1,7 W	-	-
5792525220	24 V	-	2,2 VA	1,8 VA
5792525270	110 V	-	3 VA	2,4 VA
5792525280	230 V	-	2,3 VA	2 VA
5792525680	230 V	-	2,5 VA	2,2 VA

Part No.	Switch-on power	Switch-on power	Pilot	LED
	AC 50 Hz	AC 60 Hz		
5790520210	-	-	External	-
5790520220	-	-	External	-
5790520620	-	-	External	Red
5790525220	3 VA	2,6 VA	External	-
5790525270	4,2 VA	3,4 VA	External	-
5790525280	3,2 VA	2,8 VA	External	-
5790525680	3,4 VA	3 VA	External	-
5791520210	-	-	External	-
5791520220	-	-	External	-
5791520620	-	-	External	Red
5791525220	3 VA	2,6 VA	External	-
5791525270	4,2 VA	3,4 VA	External	-
5791525280	3,2 VA	2,8 VA	External	-

Part No.	Switch-on power	Switch-on power	Pilot	LED
	AC 50 Hz	AC 60 Hz		
5791525680	3,4 VA	3 VA	External	Red
5796420210	-	-	External	-
5796420220	-	-	External	-
5796420620	-	-	External	Red
5796425220	3 VA	2,6 VA	External	-
5796425270	4,2 VA	3,4 VA	External	-
5796425280	3,2 VA	2,8 VA	External	-
5796425680	3,4 VA	3 VA	External	Red
5796520210	-	-	External	-
5796520220	-	-	External	-
5796520620	-	-	External	Red
5796525220	3 VA	2,6 VA	External	-
5796525270	4,2 VA	3,4 VA	External	-
5796525280	3,2 VA	2,8 VA	External	-
5796525680	3,4 VA	3 VA	External	Red
5792520210	-	-	External	-
5792520220	-	-	External	-
5792520620	-	-	External	Red
5792525220	3 VA	2,6 VA	External	-
5792525270	4,2 VA	3,4 VA	External	-
5792525280	3,2 VA	2,8 VA	External	-
5792525680	3,4 VA	3 VA	External	Red

Part No.	Protected against polarity reversal	
5790520210	Protected against polarity reversal	-
5790520220	Protected against polarity reversal	-
5790520620	Protected against polarity reversal	1)
5790525220	Protected against polarity reversal	-
5790525270	Protected against polarity reversal	-
5790525280	Protected against polarity reversal	-
5790525680	Protected against polarity reversal	-
5791520210	Protected against polarity reversal	-
5791520220	Protected against polarity reversal	-
5791520620	Protected against polarity reversal	1)
5791525220	Protected against polarity reversal	-
5791525270	Protected against polarity reversal	-
5791525280	Protected against polarity reversal	-
5791525680	Protected against polarity reversal	-
5796420210	Protected against polarity reversal	-
5796420220	Protected against polarity reversal	-
5796420620	Protected against polarity reversal	1)
5796425220	Protected against polarity reversal	-
5796425270	Protected against polarity reversal	-
5796425280	Protected against polarity reversal	-
5796425680	Protected against polarity reversal	-
5796520210	Protected against polarity reversal	-
5796520220	Protected against polarity reversal	-

Part No.	Protected against polarity reversal	
5796520620	Protected against polarity reversal	1)
5796525220	Protected against polarity reversal	-
5796525270	Protected against polarity reversal	-
5796525280	Protected against polarity reversal	-
5796525680	Protected against polarity reversal	-
5792520210	Protected against polarity reversal	-
5792520220	Protected against polarity reversal	-
5792520620	Protected against polarity reversal	1)
5792525220	Protected against polarity reversal	-
5792525270	Protected against polarity reversal	-
5792525280	Protected against polarity reversal	-
5792525680	Protected against polarity reversal	-

Nominal flow Q_n 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.

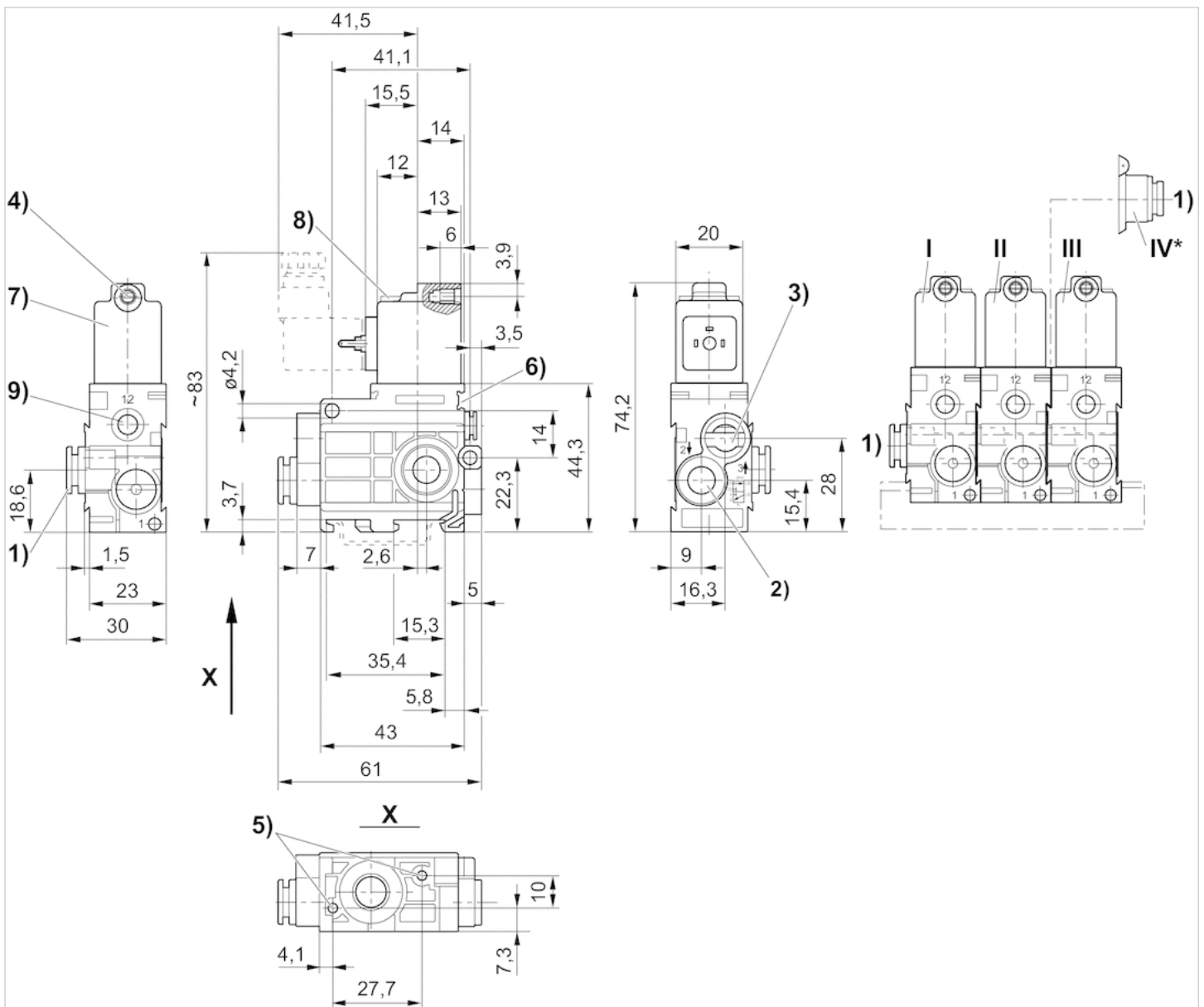
The control pressure must be at least as high as the working pressure.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

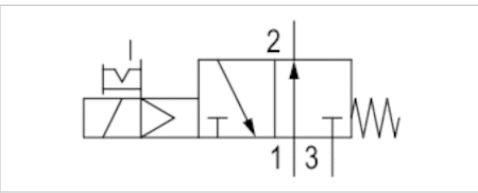
Dimensions



- 1) Port 12) Port 23) Port 3, exhaust air must not be throttled4) Core Ø for M55) Pocket hole 6 mm deep for 3.5 self-tapping screw6) Mounting space for name plate7) Coil can be rotated at 180° intervals8) LED9) Port 12* Air connection module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required.
I = Inlet valve, II = Stacking valve, III = End valve

3/2-directional valve, Series 579

- Qn = 600 l/min
- Pipe connection
- Compressed air connection output 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/m³
Nominal flow Qn	600 l/min
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
5790610210	NO		Inlet valve
5790615220	NO		Inlet valve
5790610220	NO		Inlet valve
5790610620	NO		Inlet valve
5790615270	NO		Inlet valve
5790615280	NO		Inlet valve
5790615680	NO		Inlet valve
5791610210	NO		Stacking valve
5791610220	NO		Stacking valve
5791610620	NO		Stacking valve
5791615220	NO		Stacking valve
5791615270	NO		Stacking valve
5791615280	NO		Stacking valve
5791615680	NO		Stacking valve
5796610210	NO		Stacking valve, additional pressure connection
5796610220	NO		Stacking valve, additional pressure connection
5796610620	NO		Stacking valve, additional pressure connection
5796615220	NO		Stacking valve, additional pressure connection
5796615270	NO		Stacking valve, additional pressure connection
5796615280	NO		Stacking valve, additional pressure connection

Part No.		MO	Type
5796615680	NO		Stacking valve, additional pressure connection
5792610210	NO		End valve
5792610220	NO		End valve
5792610620	NO		End valve
5792615220	NO		End valve
5792615270	NO		End valve
5792615280	NO		End valve
5792615680	NO		End valve

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Input	Output	DC
5790610210	Ø 8x1	Ø 8x1	12 V
5790615220	Ø 8x1	Ø 8x1	-
5790610220	Ø 8x1	Ø 8x1	24 V
5790610620	Ø 8x1	Ø 8x1	24 V
5790615270	Ø 8x1	Ø 8x1	-
5790615280	Ø 8x1	Ø 8x1	-
5790615680	Ø 8x1	Ø 8x1	-
5791610210	-	Ø 8x1	12 V
5791610220	-	Ø 8x1	24 V
5791610620	-	Ø 8x1	24 V
5791615220	-	Ø 8x1	-
5791615270	-	Ø 8x1	-
5791615280	-	Ø 8x1	-
5791615680	-	Ø 8x1	-
5796610210	Ø 8x1	Ø 8x1	12 V
5796610220	Ø 8x1	Ø 8x1	24 V
5796610620	Ø 8x1	Ø 8x1	24 V
5796615220	Ø 8x1	Ø 8x1	-
5796615270	Ø 8x1	Ø 8x1	-
5796615280	Ø 8x1	Ø 8x1	-
5796615680	Ø 8x1	Ø 8x1	-
5792610210	-	Ø 8x1	12 V
5792610220	-	Ø 8x1	24 V
5792610620	-	Ø 8x1	24 V
5792615220	-	Ø 8x1	-
5792615270	-	Ø 8x1	-
5792615280	-	Ø 8x1	-
5792615680	-	Ø 8x1	-

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5790610210	-	-	1,6 W	-
5790615220	24 V	24 V	-	2,2 VA
5790610220	-	-	1,6 W	-
5790610620	-	-	1,7 W	-
5790615270	110 V	110 V	-	3 VA
5790615280	230 V	230 V	-	2,3 VA
5790615680	230 V	230 V	-	2,5 VA

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5791610210	-	-	1,6 W	-
5791610220	-	-	1,6 W	-
5791610620	-	-	1,7 W	-
5791615220	24 V	24 V	-	2,2 VA
5791615270	110 V	110 V	-	3 VA
5791615280	230 V	230 V	-	2,3 VA
5791615680	230 V	230 V	-	2,5 VA
5796610210	-	-	1,6 W	-
5796610220	-	-	1,6 W	-
5796610620	-	-	1,7 W	-
5796615220	24 V	24 V	-	2,2 VA
5796615270	110 V	110 V	-	3 VA
5796615280	230 V	230 V	-	2,3 VA
5796615680	230 V	230 V	-	2,5 VA
5792610210	-	-	1,6 W	-
5792610220	-	-	1,6 W	-
5792610620	-	-	1,7 W	-
5792615220	24 V	24 V	-	2,2 VA
5792615270	110 V	110 V	-	3 VA
5792615280	230 V	230 V	-	2,3 VA
5792615680	230 V	230 V	-	2,5 VA

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5790610210	-	-	-	Internal	-
5790615220	1,8 VA	3 VA	2,6 VA	Internal	-
5790610220	-	-	-	Internal	-
5790610620	-	-	-	Internal	Red
5790615270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5790615280	2 VA	3,2 VA	2,8 VA	Internal	-
5790615680	2,2 VA	3,4 VA	3 VA	Internal	Red
5791610210	-	-	-	Internal	-
5791610220	-	-	-	Internal	-
5791610620	-	-	-	Internal	Red
5791615220	1,8 VA	3 VA	2,6 VA	Internal	-
5791615270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5791615280	2 VA	3,2 VA	2,8 VA	Internal	-
5791615680	2,2 VA	3,4 VA	3 VA	Internal	Red
5796610210	-	-	-	Internal	-
5796610220	-	-	-	Internal	-
5796610620	-	-	-	Internal	Red
5796615220	1,8 VA	3 VA	2,6 VA	Internal	-
5796615270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5796615280	2 VA	3,2 VA	2,8 VA	Internal	-
5796615680	2,2 VA	3,4 VA	3 VA	Internal	Red
5792610210	-	-	-	Internal	-
5792610220	-	-	-	Internal	-
5792610620	-	-	-	Internal	Red

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5792615220	1,8 VA	3 VA	2,6 VA	Internal	-
5792615270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5792615280	2 VA	3,2 VA	2,8 VA	Internal	-
5792615680	2,2 VA	3,4 VA	3 VA	Internal	Red

Part No.	Protected against polarity reversal	
5790610210	Protected against polarity reversal	-
5790615220	Protected against polarity reversal	-
5790610220	Protected against polarity reversal	-
5790610620	Protected against polarity reversal	1)
5790615270	Protected against polarity reversal	-
5790615280	Protected against polarity reversal	-
5790615680	Protected against polarity reversal	-
5791610210	Protected against polarity reversal	-
5791610220	Protected against polarity reversal	-
5791610620	Protected against polarity reversal	1)
5791615220	Protected against polarity reversal	-
5791615270	Protected against polarity reversal	-
5791615280	Protected against polarity reversal	-
5791615680	Protected against polarity reversal	-
5796610210	Protected against polarity reversal	-
5796610220	Protected against polarity reversal	-
5796610620	Protected against polarity reversal	1)
5796615220	Protected against polarity reversal	-
5796615270	Protected against polarity reversal	-
5796615280	Protected against polarity reversal	-
5796615680	Protected against polarity reversal	-
5792610210	Protected against polarity reversal	-
5792610220	Protected against polarity reversal	-
5792610620	Protected against polarity reversal	1)
5792615220	Protected against polarity reversal	-
5792615270	Protected against polarity reversal	-
5792615280	Protected against polarity reversal	-
5792615680	Protected against polarity reversal	-

Nominal flow Q_n 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 .

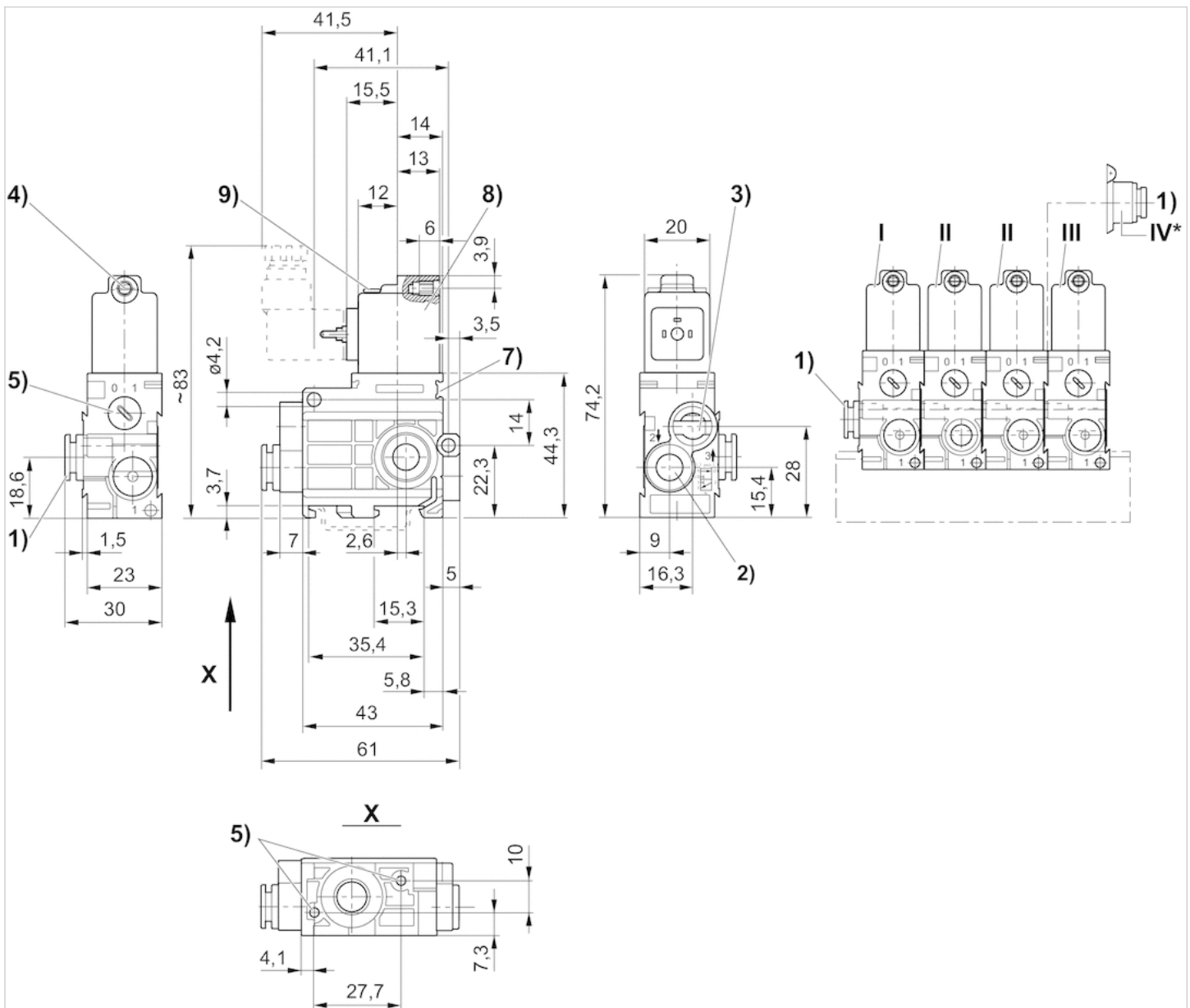
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

Dimensions

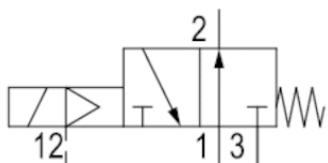


1) Port 12) Port 23) Port 3, exhaust air must not be throttled4) Core Ø for M55) Manual override6) Pocket hole 6 mm deep for 3.5 self-tapping screw7) Mounting space for name plate8) Coil can be rotated at 180° intervals9) LED* Air conn. module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required.

I = Inlet valve, II = Stacking valve, III = End valve

3/2-directional valve, Series 579

- Qn = 600 l/min
- Pipe connection
- Compressed air connection output Ø 8x1
- Electrical connection Plug, ISO 15217, form C



Version	Poppet valve
Activation	Electrically
Pilot	External
Sealing principle	Soft sealing
Working pressure min./max.	0,5 ... 8 bar
Control 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	600 l/min
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.		Type	Compressed air connection
			Input
5790620210	NO	Inlet valve	Ø 8x1
5790620220	NO	Inlet valve	Ø 8x1
5790620620	NO	Inlet valve	Ø 8x1
5790625220	NO	Inlet valve	Ø 8x1
5790625270	NO	Inlet valve	Ø 8x1
5790625280	NO	Inlet valve	Ø 8x1
5790625680	NO	Inlet valve	Ø 8x1
5791620210	NO	Stacking valve	-
5791620220	NO	Stacking valve	-
5791620620	NO	Stacking valve	-
5791625220	NO	Stacking valve	-
5791625270	NO	Stacking valve	-
5791625280	NO	Stacking valve	-
5791625680	NO	Stacking valve	-
5796620210	NO	Stacking valve, additional pressure connection	Ø 8x1
5796620220	NO	Stacking valve, additional pressure connection	Ø 8x1
5796620620	NO	Stacking valve, additional pressure connection	Ø 8x1
5796625220	NO	Stacking valve, additional pressure connection	Ø 8x1
5796625270	NO	Stacking valve, additional pressure connection	Ø 8x1
5796625280	NO	Stacking valve, additional pressure connection	Ø 8x1

Part No.		Type	Compressed air connection
			Input
5796625680	NO	Stacking valve, additional pressure connection	Ø 8x1
5792620210	NO	End valve	-
5792620220	NO	End valve	-
5792620620	NO	End valve	-
5792625220	NO	End valve	-
5792625270	NO	End valve	-
5792625280	NO	End valve	-
5792625680	NO	End valve	-

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Output	Pilot connection	DC
5790620210	Ø 8x1	Ø 4	12 V
5790620220	Ø 8x1	Ø 4	24 V
5790620620	Ø 8x1	Ø 4	24 V
5790625220	Ø 8x1	Ø 4	-
5790625270	Ø 8x1	Ø 4	-
5790625280	Ø 8x1	Ø 4	-
5790625680	Ø 8x1	Ø 4	-
5791620210	Ø 8x1	Ø 4	12 V
5791620220	Ø 8x1	Ø 4	24 V
5791620620	Ø 8x1	Ø 4	24 V
5791625220	Ø 8x1	Ø 4	-
5791625270	Ø 8x1	Ø 4	-
5791625280	Ø 8x1	Ø 4	-
5791625680	Ø 8x1	Ø 4	-
5796620210	Ø 8x1	Ø 4	12 V
5796620220	Ø 8x1	Ø 4	24 V
5796620620	Ø 8x1	Ø 4	24 V
5796625220	Ø 8x1	Ø 4	-
5796625270	Ø 8x1	Ø 4	-
5796625280	Ø 8x1	Ø 4	-
5796625680	Ø 8x1	Ø 4	-
5792620210	Ø 8x1	Ø 4	12 V
5792620220	Ø 8x1	Ø 4	24 V
5792620620	Ø 8x1	Ø 4	24 V
5792625220	Ø 8x1	Ø 4	-
5792625270	Ø 8x1	Ø 4	-
5792625280	Ø 8x1	Ø 4	-
5792625680	Ø 8x1	Ø 4	-

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5790620210	-	-	1,6 W	-
5790620220	-	-	1,6 W	-
5790620620	-	-	1,7 W	-
5790625220	24 V	24 V	-	2,2 VA
5790625270	110 V	110 V	-	3 VA
5790625280	230 V	230 V	-	2,3 VA
5790625680	230 V	230 V	-	2,5 VA

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5791620210	-	-	1,6 W	-
5791620220	-	-	1,6 W	-
5791620620	-	-	1,7 W	-
5791625220	24 V	24 V	-	2,2 VA
5791625270	110 V	110 V	-	3 VA
5791625280	230 V	230 V	-	2,3 VA
5791625680	230 V	230 V	-	2,5 VA
5796620210	-	-	1,6 W	-
5796620220	-	-	1,6 W	-
5796620620	-	-	1,7 W	-
5796625220	24 V	24 V	-	2,2 VA
5796625270	110 V	110 V	-	3 VA
5796625280	230 V	230 V	-	2,3 VA
5796625680	230 V	230 V	-	2,5 VA
5792620210	-	-	1,6 W	-
5792620220	-	-	1,6 W	-
5792620620	-	-	1,7 W	-
5792625220	24 V	24 V	-	2,2 VA
5792625270	110 V	110 V	-	3 VA
5792625280	230 V	230 V	-	2,3 VA
5792625680	230 V	230 V	-	2,5 VA

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5790620210	-	-	-	External	-
5790620220	-	-	-	External	-
5790620620	-	-	-	External	Red
5790625220	1,8 VA	3 VA	2,6 VA	External	-
5790625270	2,4 VA	4,2 VA	3,4 VA	External	-
5790625280	2 VA	3,2 VA	2,8 VA	External	-
5790625680	2,2 VA	3,4 VA	3 VA	External	Red
5791620210	-	-	-	External	-
5791620220	-	-	-	External	-
5791620620	-	-	-	External	Red
5791625220	1,8 VA	3 VA	2,6 VA	External	-
5791625270	2,4 VA	4,2 VA	3,4 VA	External	-
5791625280	2 VA	3,2 VA	2,8 VA	External	-
5791625680	2,2 VA	3,4 VA	3 VA	External	Red
5796620210	-	-	-	External	-
5796620220	-	-	-	External	-
5796620620	-	-	-	External	Red
5796625220	1,8 VA	3 VA	2,6 VA	External	-
5796625270	2,4 VA	4,2 VA	3,4 VA	External	-
5796625280	2 VA	3,2 VA	2,8 VA	External	-
5796625680	2,2 VA	3,4 VA	3 VA	External	Red
5792620210	-	-	-	External	-
5792620220	-	-	-	External	-
5792620620	-	-	-	External	Red

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5792625220	1,8 VA	3 VA	2,6 VA	External	-
5792625270	2,4 VA	4,2 VA	3,4 VA	External	-
5792625280	2 VA	3,2 VA	2,8 VA	External	-
5792625680	2,2 VA	3,4 VA	3 VA	External	Red

Part No.	Protected against polarity reversal	
5790620210	Protected against polarity reversal	-
5790620220	Protected against polarity reversal	-
5790620620	Protected against polarity reversal	1)
5790625220	Protected against polarity reversal	-
5790625270	Protected against polarity reversal	-
5790625280	Protected against polarity reversal	-
5790625680	Protected against polarity reversal	-
5791620210	Protected against polarity reversal	-
5791620220	Protected against polarity reversal	-
5791620620	Protected against polarity reversal	1)
5791625220	Protected against polarity reversal	-
5791625270	Protected against polarity reversal	-
5791625280	Protected against polarity reversal	-
5791625680	Protected against polarity reversal	-
5796620210	Protected against polarity reversal	-
5796620220	Protected against polarity reversal	-
5796620620	Protected against polarity reversal	1)
5796625220	Protected against polarity reversal	-
5796625270	Protected against polarity reversal	-
5796625280	Protected against polarity reversal	-
5796625680	Protected against polarity reversal	-
5792620210	Protected against polarity reversal	-
5792620220	Protected against polarity reversal	-
5792620620	Protected against polarity reversal	1)
5792625220	Protected against polarity reversal	-
5792625270	Protected against polarity reversal	-
5792625280	Protected against polarity reversal	-
5792625680	Protected against polarity reversal	-

Nominal flow Q_n 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.

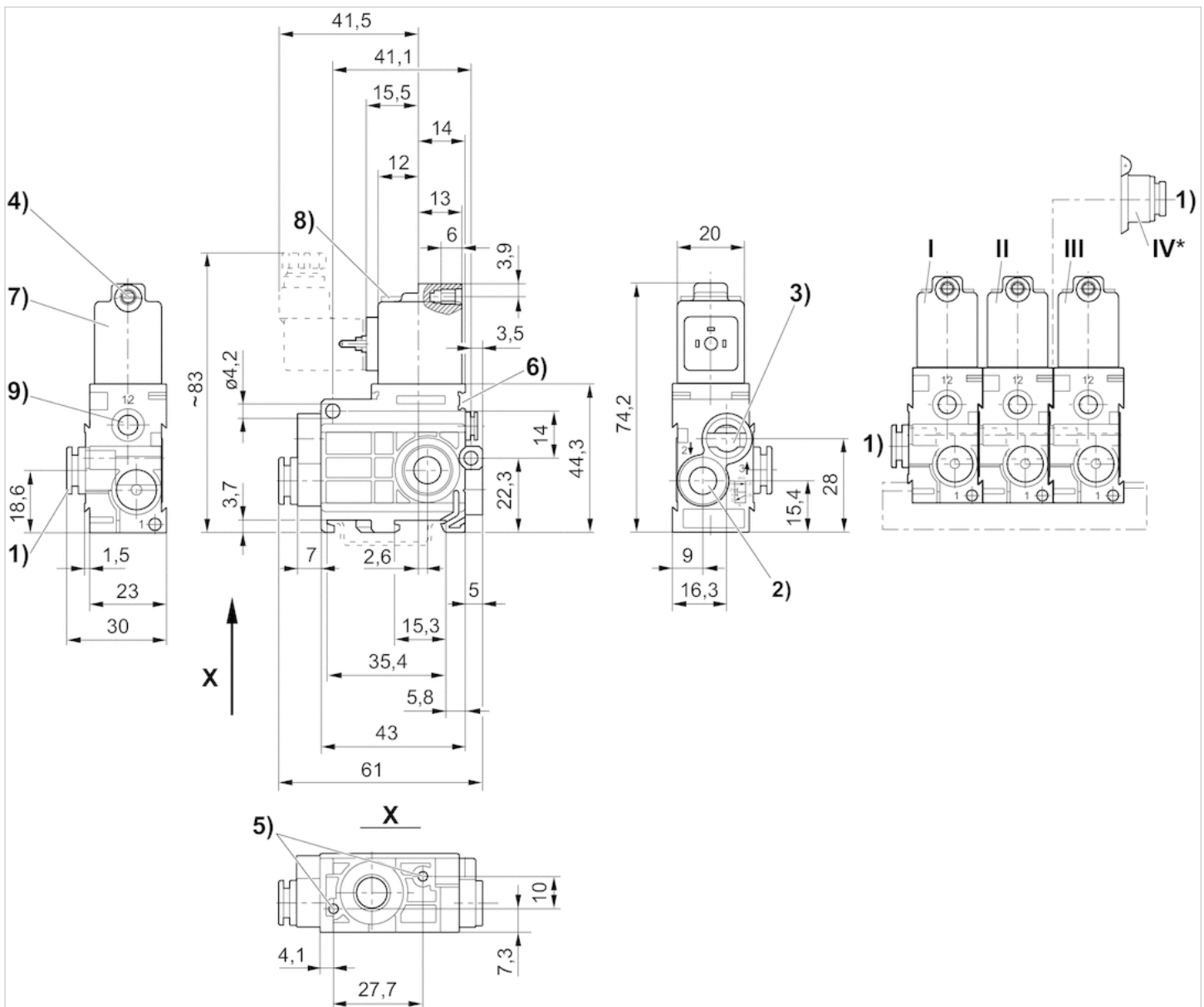
The control pressure must be at least as high as the working pressure.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

Dimensions

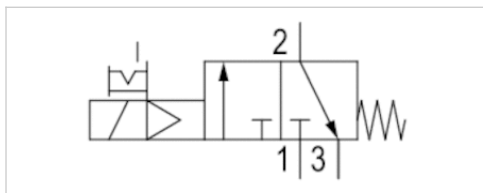


1) Port 12) Port 23) Port 3, exhaust air must not be throttled4) Core Ø for M55) Pocket hole 6 mm deep for 3.5 self-tapping screw6) Mounting space for name plate7) Coil can be rotated at 180° intervals8) LED9) Port 12* Air connection module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required.

I = Inlet valve, II = Stacking valve, III = End valve

3/2-directional valve, Series 579

- $Q_n = 850 \text{ l/min}$
- Pipe connection
- Compressed air connection output $\varnothing 8 \times 1$
- 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
Control pressure min./max.	See table below
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 Q_n	850 l/min
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
5790600210	NC		Inlet valve
5790600220	NC		Inlet valve
5790600620	NC		Inlet valve
5790605220	NC		Inlet valve
5790605270	NC		Inlet valve
5790605280	NC		Inlet valve
5790605680	NC		Inlet valve
5791600210	NC		Stacking valve
5791600220	NC		Stacking valve
5791600620	NC		Stacking valve
5791605220	NC		Stacking valve
5791605270	NC		Stacking valve
5791605280	NC		Stacking valve
5791605680	NC		Stacking valve
5796600210	NC		Stacking valve, additional pressure connection
5796600220	NC		Stacking valve, additional pressure connection
5796600620	NC		Stacking valve, additional pressure connection
5796605220	NC		Stacking valve, additional pressure connection
5796605270	NC		Stacking valve, additional pressure connection

Part No.		MO	Type
5796605280	NC		Stacking valve, additional pressure connection
5796605680	NC		Stacking valve, additional pressure connection
5792600210	NC		End valve
5792600220	NC		End valve
5792600620	NC		End valve
5792605220	NC		End valve
5792605270	NC		End valve
5792605280	NC		End valve
5792605680	NC		End valve

Part No.	Compressed air connection		Operationalvoltage
	Input	Output	
5790600210	Ø 8x1	Ø 8x1	12 V
5790600220	Ø 8x1	Ø 8x1	24 V
5790600620	Ø 8x1	Ø 8x1	24 V
5790605220	Ø 8x1	Ø 8x1	-
5790605270	Ø 8x1	Ø 8x1	-
5790605280	Ø 8x1	Ø 8x1	-
5790605680	Ø 8x1	Ø 8x1	-
5791600210	-	Ø 8x1	12 V
5791600220	-	Ø 8x1	24 V
5791600620	-	Ø 8x1	24 V
5791605220	-	Ø 8x1	-
5791605270	-	Ø 8x1	-
5791605280	-	Ø 8x1	-
5791605680	-	Ø 8x1	-
5796600210	Ø 8x1	Ø 8x1	12 V
5796600220	Ø 8x1	Ø 8x1	24 V
5796600620	Ø 8x1	Ø 8x1	24 V
5796605220	Ø 8x1	Ø 8x1	-
5796605270	Ø 8x1	Ø 8x1	-
5796605280	Ø 8x1	Ø 8x1	-
5796605680	Ø 8x1	Ø 8x1	-
5792600210	-	Ø 8x1	12 V
5792600220	-	Ø 8x1	24 V
5792600620	-	Ø 8x1	24 V
5792605220	-	Ø 8x1	-
5792605270	-	Ø 8x1	-
5792605280	-	Ø 8x1	-
5792605680	-	Ø 8x1	-

Part No.	Operationalvoltage		Power consumption	Holding power
	AC 50 Hz	AC 60 Hz		
5790600210	-	-	1,6 W	-
5790600220	-	-	1,6 W	-
5790600620	-	-	1,7 W	-
5790605220	24 V	24 V	-	2,2 VA
5790605270	110 V	110 V	-	3 VA
5790605280	230 V	230 V	-	2,3 VA

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5790605680	230 V	230 V	-	2,5 VA
5791600210	-	-	1,6 W	-
5791600220	-	-	1,6 W	-
5791600620	-	-	1,7 W	-
5791605220	24 V	24 V	-	2,2 VA
5791605270	110 V	110 V	-	3 VA
5791605280	230 V	230 V	-	2,3 VA
5791605680	230 V	230 V	-	2,5 VA
5796600210	-	-	1,6 W	-
5796600220	-	-	1,6 W	-
5796600620	-	-	1,7 W	-
5796605220	24 V	24 V	-	2,2 VA
5796605270	110 V	110 V	-	3 VA
5796605280	230 V	230 V	-	2,3 VA
5796605680	230 V	230 V	-	2,5 VA
5792600210	-	-	1,6 W	-
5792600220	-	-	1,6 W	-
5792600620	-	-	1,7 W	-
5792605220	24 V	24 V	-	2,2 VA
5792605270	110 V	110 V	-	3 VA
5792605280	230 V	230 V	-	2,3 VA
5792605680	230 V	230 V	-	2,5 VA

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	Control pressure min./max.
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5790600210	-	-	-	Internal	-
5790600220	-	-	-	Internal	-
5790600620	-	-	-	Internal	-
5790605220	1,8 VA	3 VA	2,6 VA	Internal	-
5790605270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5790605280	2 VA	3,2 VA	2,8 VA	Internal	-
5790605680	2,2 VA	3,4 VA	3 VA	Internal	-
5791600210	-	-	-	Internal	-
5791600220	-	-	-	Internal	-
5791600620	-	-	-	Internal	-
5791605220	1,8 VA	3 VA	2,6 VA	Internal	-
5791605270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5791605280	2 VA	3,2 VA	2,8 VA	Internal	-
5791605680	2,2 VA	3,4 VA	3 VA	Internal	-
5796600210	-	-	-	Internal	8 bar
5796600220	-	-	-	Internal	8 bar
5796600620	-	-	-	Internal	8 bar
5796605220	1,8 VA	3 VA	2,6 VA	Internal	8 bar
5796605270	2,4 VA	4,2 VA	3,4 VA	Internal	8 bar
5796605280	2 VA	3,2 VA	2,8 VA	Internal	8 bar
5796605680	2,2 VA	3,4 VA	3 VA	Internal	8 bar
5792600210	-	-	-	Internal	-
5792600220	-	-	-	Internal	-

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	Control pressure min./max.
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5792600620	-	-	-	Internal	-
5792605220	1,8 VA	3 VA	2,6 VA	Internal	-
5792605270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5792605280	2 VA	3,2 VA	2,8 VA	Internal	-
5792605680	2,2 VA	3,4 VA	3 VA	Internal	-

Part No.	LED	Protected against polarity reversal	
5790600210	-	Protected against polarity reversal	-
5790600220	-	Protected against polarity reversal	-
5790600620	Red	Protected against polarity reversal	1)
5790605220	-	Protected against polarity reversal	-
5790605270	-	Protected against polarity reversal	-
5790605280	-	Protected against polarity reversal	-
5790605680	Red	Protected against polarity reversal	-
5791600210	-	Protected against polarity reversal	-
5791600220	-	Protected against polarity reversal	-
5791600620	Red	Protected against polarity reversal	1)
5791605220	-	Protected against polarity reversal	-
5791605270	-	Protected against polarity reversal	-
5791605280	-	Protected against polarity reversal	-
5791605680	Red	Protected against polarity reversal	-
5796600210	-	Protected against polarity reversal	-
5796600220	-	Protected against polarity reversal	-
5796600620	Red	Protected against polarity reversal	1)
5796605220	-	Protected against polarity reversal	-
5796605270	-	Protected against polarity reversal	-
5796605280	-	Protected against polarity reversal	-
5796605680	Red	Protected against polarity reversal	-
5792600210	-	Protected against polarity reversal	-
5792600220	-	Protected against polarity reversal	-
5792600620	Red	Protected against polarity reversal	1)
5792605220	-	Protected against polarity reversal	-
5792605270	-	Protected against polarity reversal	-
5792605280	-	Protected against polarity reversal	-
5792605680	Red	Protected against polarity reversal	-

Nominal flow Q_n at 6 bar and Δp = 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 .

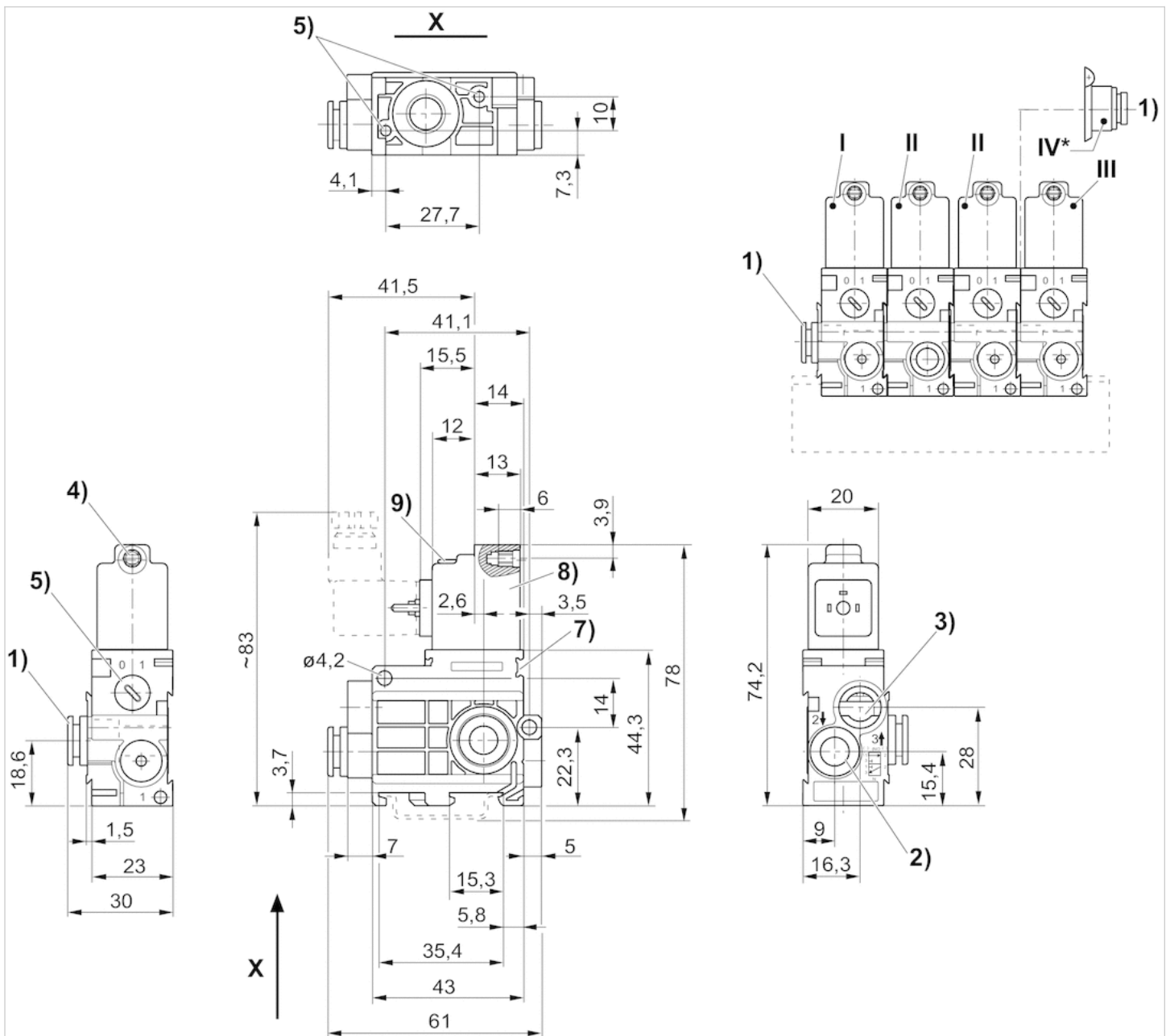
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

Dimensions

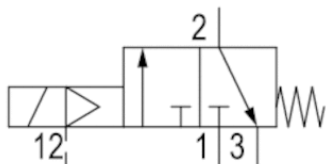


1) Port 12) Port 23) Port 3, exhaust air must not be throttled4) Core Ø for M55) Manual override6) Pocket hole 6 mm deep for 3.5 self-tapping screw7) Mounting space for name plate8) Coil can be rotated at 180° intervals9) LED* Air conn. module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required.

I = Inlet valve, II = Stacking valve, III = End valve

3/2-directional valve, Series 579

- Qn = 850 l/min
- Pipe connection
- Compressed air connection output Ø 8x1
- Electrical connection Plug, ISO 15217, form C



Version	Poppet valve
Activation	Electrically
Pilot	External
Sealing principle	Soft sealing
Working pressure min./max.	0,5 ... 8 bar
Control 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	850 l/min
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.		Type	Compressed air connection
			Input
5790670210	NC	Inlet valve	Ø 8x1
5790670220	NC	Inlet valve	Ø 8x1
5790670620	NC	Inlet valve	Ø 8x1
5790675220	NC	Inlet valve	Ø 8x1
5790675270	NC	Inlet valve	Ø 8x1
5790675280	NC	Inlet valve	Ø 8x1
5790675680	NC	Inlet valve	Ø 8x1
5791670210	NC	Stacking valve	-
5791670220	NC	Stacking valve	-
5791670620	NC	Stacking valve	-
5791675220	NC	Stacking valve	-
5791675270	NC	Stacking valve	-
5791675280	NC	Stacking valve	-
5791675680	NC	Stacking valve	-
5796670210	NC	Stacking valve, additional pressure connection	Ø 8x1
5796670220	NC	Stacking valve, additional pressure connection	Ø 8x1
5796670620	NC	Stacking valve, additional pressure connection	Ø 8x1
5796675220	NC	Stacking valve, additional pressure connection	Ø 8x1
5796675270	NC	Stacking valve, additional pressure connection	Ø 8x1
5796675280	NC	Stacking valve, additional pressure connection	Ø 8x1

Part No.		Type	Compressed air connection
			Input
5796675680	NC	Stacking valve	Ø 8x1
5792670210	NC	End valve	-
5792670220	NC	End valve	-
5792670620	NC	End valve	-
5792675220	NC	End valve	-
5792675270	NC	End valve	-
5792675280	NC	End valve	-
5792675680	NC	End valve	-

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Output	Pilot connection	DC
5790670210	Ø 8x1	Ø 4	12 V
5790670220	Ø 8x1	Ø 4	24 V
5790670620	Ø 8x1	Ø 4	24 V
5790675220	Ø 8x1	Ø 4	-
5790675270	Ø 8x1	Ø 4	-
5790675280	Ø 8x1	Ø 4	-
5790675680	Ø 8x1	Ø 4	-
5791670210	Ø 8x1	Ø 4	12 V
5791670220	Ø 8x1	Ø 4	24 V
5791670620	Ø 8x1	Ø 4	24 V
5791675220	Ø 8x1	Ø 4	-
5791675270	Ø 8x1	Ø 4	-
5791675280	Ø 8x1	Ø 4	-
5791675680	Ø 8x1	Ø 4	-
5796670210	Ø 8x1	Ø 4	12 V
5796670220	Ø 8x1	Ø 4	24 V
5796670620	Ø 8x1	Ø 4	24 V
5796675220	Ø 8x1	Ø 4	-
5796675270	Ø 8x1	Ø 4	-
5796675280	Ø 8x1	Ø 4	-
5796675680	Ø 8x1	Ø 4	-
5792670210	Ø 8x1	Ø 4	12 V
5792670220	Ø 8x1	Ø 4	24 V
5792670620	Ø 8x1	Ø 4	24 V
5792675220	Ø 8x1	Ø 4	-
5792675270	Ø 8x1	Ø 4	-
5792675280	Ø 8x1	Ø 4	-
5792675680	Ø 8x1	Ø 4	-

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5790670210	-	-	1,6 W	-
5790670220	-	-	1,6 W	-
5790670620	-	-	1,7 W	-
5790675220	24 V	24 V	-	2,2 VA
5790675270	110 V	110 V	-	3 VA
5790675280	230 V	230 V	-	2,3 VA
5790675680	230 V	230 V	-	2,5 VA

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5791670210	-	-	1,6 W	-
5791670220	-	-	1,6 W	-
5791670620	-	-	1,7 W	-
5791675220	24 V	24 V	-	2,2 VA
5791675270	110 V	110 V	-	3 VA
5791675280	230 V	230 V	-	2,3 VA
5791675680	230 V	230 V	-	2,5 VA
5796670210	-	-	1,6 W	-
5796670220	-	-	1,6 W	-
5796670620	-	-	1,7 W	-
5796675220	24 V	24 V	-	2,2 VA
5796675270	110 V	110 V	-	3 VA
5796675280	230 V	230 V	-	2,3 VA
5796675680	230 V	230 V	-	2,5 VA
5792670210	-	-	1,6 W	-
5792670220	-	-	1,6 W	-
5792670620	-	-	1,7 W	-
5792675220	24 V	24 V	-	2,2 VA
5792675270	110 V	110 V	-	3 VA
5792675280	230 V	230 V	-	2,3 VA
5792675680	230 V	230 V	-	2,5 VA

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5790670210	-	-	-	External	-
5790670220	-	-	-	External	-
5790670620	-	-	-	External	Red
5790675220	1,8 VA	3 VA	2,6 VA	External	-
5790675270	2,4 VA	4,2 VA	3,4 VA	External	-
5790675280	2 VA	3,2 VA	2,8 VA	External	-
5790675680	2,2 VA	3,4 VA	3 VA	External	Red
5791670210	-	-	-	External	-
5791670220	-	-	-	External	-
5791670620	-	-	-	External	Red
5791675220	1,8 VA	3 VA	2,6 VA	External	-
5791675270	2,4 VA	4,2 VA	3,4 VA	External	-
5791675280	2 VA	3,2 VA	2,8 VA	External	-
5791675680	2,2 VA	3,4 VA	3 VA	External	Red
5796670210	-	-	-	External	-
5796670220	-	-	-	External	-
5796670620	-	-	-	External	Red
5796675220	1,8 VA	3 VA	2,6 VA	External	-
5796675270	2,4 VA	4,2 VA	3,4 VA	External	-
5796675280	2 VA	3,2 VA	2,8 VA	External	-
5796675680	2,2 VA	3,4 VA	3 VA	External	Red
5792670210	-	-	-	External	-
5792670220	-	-	-	External	-
5792670620	-	-	-	External	Red

Part No.	Holding power	Switch-on power		Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5792675220	1,8 VA	3 VA	2,6 VA	External	-
5792675270	2,4 VA	4,2 VA	3,4 VA	External	-
5792675280	2 VA	3,2 VA	2,8 VA	External	-
5792675680	2,2 VA	3,4 VA	3 VA	External	Red

Part No.	Protected against polarity reversal	
5790670210	Protected against polarity reversal	-
5790670220	Protected against polarity reversal	-
5790670620	Protected against polarity reversal	1)
5790675220	Protected against polarity reversal	-
5790675270	Protected against polarity reversal	-
5790675280	Protected against polarity reversal	-
5790675680	Protected against polarity reversal	-
5791670210	Protected against polarity reversal	-
5791670220	Protected against polarity reversal	-
5791670620	Protected against polarity reversal	1)
5791675220	Protected against polarity reversal	-
5791675270	Protected against polarity reversal	-
5791675280	Protected against polarity reversal	-
5791675680	Protected against polarity reversal	-
5796670210	Protected against polarity reversal	-
5796670220	Protected against polarity reversal	-
5796670620	Protected against polarity reversal	1)
5796675220	Protected against polarity reversal	-
5796675270	Protected against polarity reversal	-
5796675280	Protected against polarity reversal	-
5796675680	Protected against polarity reversal	-
5792670210	Protected against polarity reversal	-
5792670220	Protected against polarity reversal	-
5792670620	Protected against polarity reversal	1)
5792675220	Protected against polarity reversal	-
5792675270	Protected against polarity reversal	-
5792675280	Protected against polarity reversal	-
5792675680	Protected against polarity reversal	-

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar

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.

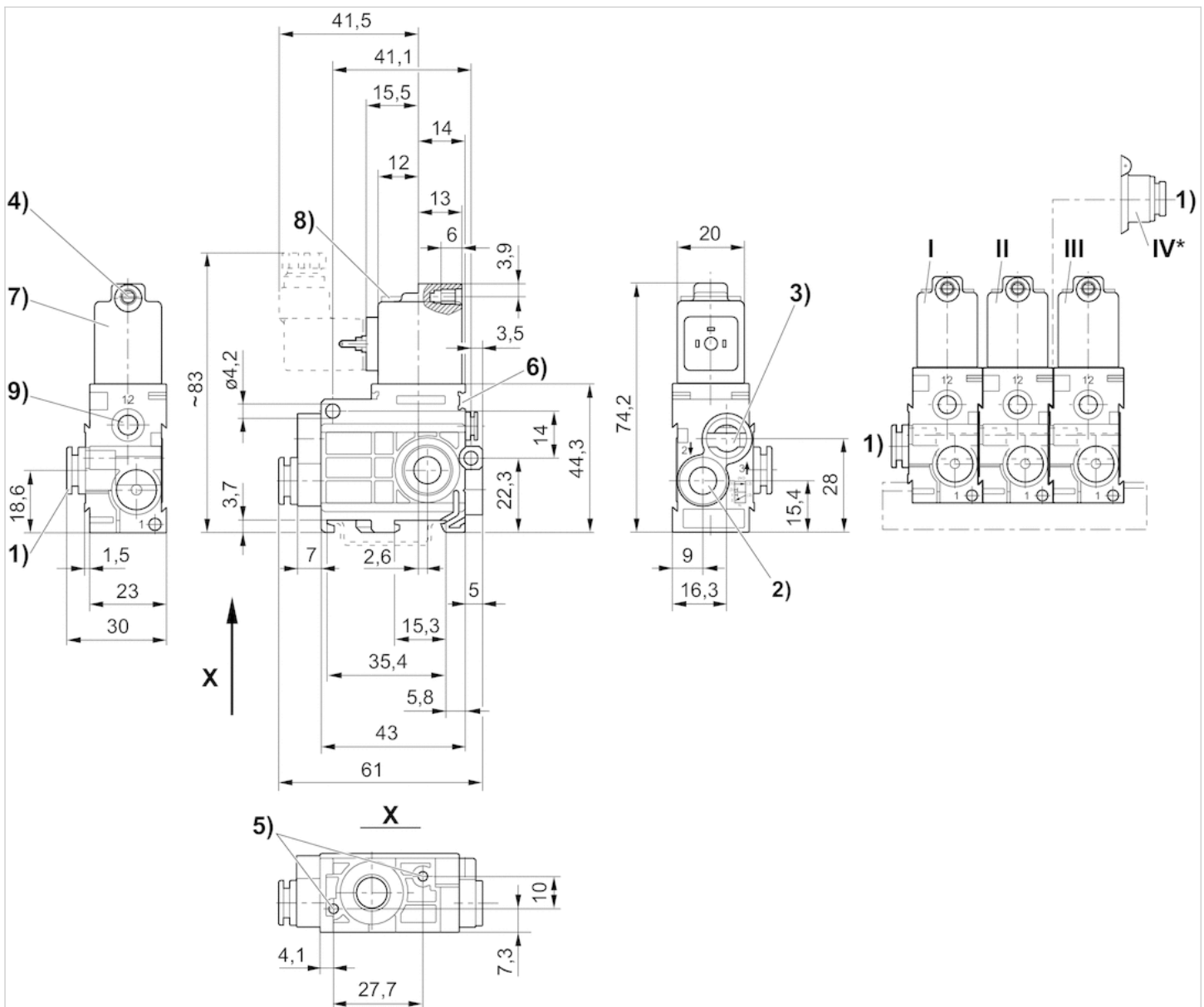
The control pressure must be at least as high as the working pressure.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

Dimensions



1) Port 12) Port 23) Port 3, exhaust air must not be throttled4) Core $\varnothing$ for M55) Pocket hole 6 mm deep for 3.5 self-tapping screw6) Mounting space for name plate7) Coil can be rotated at 180° intervals8) LED9) Port 12* Air connection module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required.

I = Inlet valve, II = Stacking valve, III = End valve

5/2-directional valve, Series 579

- Qn = 520 l/min
- Pipe connection
- Compressed air connection output Ø6x1
- 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/m³
Nominal flow Qn	520 l/min
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
5790800210		-		Inlet valve
5790800220		-		Inlet valve
5790800620		-		Inlet valve
5790805220		-		Inlet valve
5790805270		-		Inlet valve
5790805280		-		Inlet valve
5790805680		-		Inlet valve
5791805220		-		Stacking valve
5791800210		-		Stacking valve
5791800220		-		Stacking valve
5791800620		-		Stacking valve
5791805270		-		Stacking valve
5791805280		-		Stacking valve
5791805680		-		Stacking valve
5796700210		NC		Stacking valve, additional pressure connection
5796700220		NC		Stacking valve, additional pressure connection
5796700620		NC		Stacking valve, additional pressure connection
5796705220		NC		Stacking valve, additional pressure connection
5796705270		NC		Stacking valve, additional pressure connection
5796705280		NC		Stacking valve, additional pressure connection

Part No.			MO	Type
5796705680		NC		Stacking valve, additional pressure connection
5796800210		NC		Stacking valve, additional pressure connection
5796800220		NC		Stacking valve, additional pressure connection
5796800620		NC		Stacking valve, additional pressure connection
5796805220		NC		Stacking valve, additional pressure connection
5796805270		NC		Stacking valve, additional pressure connection
5796805280		NC		Stacking valve, additional pressure connection
5796805680		NC		Stacking valve, additional pressure connection
5792800210	—	NC		End valve
5792800220	—	NC		End valve
5792800620	—	NC		End valve
5792805220	—	NC		End valve
5792805270	—	NC		End valve
5792805280	—	NC		End valve
5792805680	—	NC		End valve

Part No.	Compressed air connection		Compressed air connection		Operational voltage
	Input		Output		DC
5790800210	Ø 8x1		Ø6x1		12 V
5790800220	Ø 8x1		Ø6x1		24 V
5790800620	Ø 8x1		Ø6x1		24 V
5790805220	Ø 8x1		Ø6x1		-
5790805270	Ø 8x1		Ø6x1		-
5790805280	Ø 8x1		Ø6x1		-
5790805680	Ø 8x1		Ø6x1		-
5791805220	-		Ø6x1		-
5791800210	-		Ø6x1		12 V
5791800220	-		Ø6x1		24 V
5791800620	-		Ø6x1		24 V
5791805270	-		Ø6x1		-
5791805280	-		Ø6x1		-
5791805680	-		Ø6x1		-
5796700210	Ø6x1		Ø6x1		12 V
5796700220	Ø6x1		Ø6x1		24 V
5796700620	Ø6x1		Ø6x1		24 V
5796705220	Ø6x1		Ø6x1		-
5796705270	Ø6x1		Ø6x1		-
5796705280	Ø6x1		Ø6x1		-
5796705680	Ø6x1		Ø6x1		-
5796800210	Ø 8x1		Ø6x1		12 V
5796800220	Ø 8x1		Ø6x1		24 V
5796800620	Ø 8x1		Ø6x1		24 V
5796805220	Ø 8x1		Ø6x1		-
5796805270	Ø 8x1		Ø6x1		-
5796805280	Ø 8x1		Ø6x1		-
5796805680	Ø 8x1		Ø6x1		-
5792800210	-		Ø6x1		12 V
5792800220	-		Ø6x1		24 V

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Input	Output	DC
5792800620	-	Ø6x1	24 V
5792805220	-	Ø6x1	-
5792805270	-	Ø6x1	-
5792805280	-	Ø6x1	-
5792805680	-	Ø6x1	-

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5790800210	-	-	1,6 W	-
5790800220	-	-	1,6 W	-
5790800620	-	-	1,7 W	-
5790805220	24 V	24 V	-	2,2 VA
5790805270	110 V	110 V	-	3 VA
5790805280	230 V	230 V	-	2,3 VA
5790805680	230 V	230 V	-	2,5 VA
5791805220	24 V	24 V	-	2,2 VA
5791800210	-	-	1,6 W	-
5791800220	-	-	1,6 W	-
5791800620	-	-	1,7 W	-
5791805270	110 V	110 V	-	3 VA
5791805280	230 V	230 V	-	2,3 VA
5791805680	230 V	230 V	-	2,5 VA
5796700210	-	-	1,6 W	-
5796700220	-	-	1,6 W	-
5796700620	-	-	1,7 W	-
5796705220	24 V	24 V	-	2,2 VA
5796705270	110 V	110 V	-	3 VA
5796705280	230 V	230 V	-	2,3 VA
5796705680	230 V	230 V	-	2,5 VA
5796800210	-	-	1,6 W	-
5796800220	-	-	1,6 W	-
5796800620	-	-	1,7 W	-
5796805220	24 V	24 V	-	2,2 VA
5796805270	110 V	110 V	-	3 VA
5796805280	230 V	230 V	-	2,3 VA
5796805680	230 V	230 V	-	2,5 VA
5792800210	-	-	1,6 W	-
5792800220	-	-	1,6 W	-
5792800620	-	-	1,7 W	-
5792805220	24 V	24 V	-	2,2 VA
5792805270	110 V	110 V	-	3 VA
5792805280	230 V	230 V	-	2,3 VA
5792805680	230 V	230 V	-	2,5 VA

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5790800210	-	-	-	Internal	-
5790800220	-	-	-	Internal	-
5790800620	-	-	-	Internal	Red

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5790805220	1,8 VA	3 VA	2,6 VA	Internal	-
5790805270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5790805280	2 VA	3,2 VA	2,8 VA	Internal	-
5790805680	2,2 VA	3,4 VA	3 VA	Internal	Red
5791805220	1,8 VA	3 VA	2,6 VA	Internal	-
5791800210	-	-	-	Internal	-
5791800220	-	-	-	Internal	-
5791800620	-	-	-	Internal	Red
5791805270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5791805280	2 VA	3,2 VA	2,8 VA	Internal	-
5791805680	2,2 VA	3,4 VA	3 VA	Internal	Red
5796700210	-	-	-	Internal	-
5796700220	-	-	-	Internal	-
5796700620	-	-	-	Internal	Red
5796705220	1,8 VA	3 VA	2,6 VA	Internal	-
5796705270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5796705280	2 VA	3,2 VA	2,8 VA	Internal	-
5796705680	2,2 VA	3,4 VA	3 VA	Internal	Red
5796800210	-	-	-	Internal	-
5796800220	-	-	-	Internal	-
5796800620	-	-	-	Internal	Red
5796805220	1,8 VA	3 VA	2,6 VA	Internal	-
5796805270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5796805280	2 VA	3,2 VA	2,8 VA	Internal	-
5796805680	2,2 VA	3,4 VA	3 VA	Internal	Red
5792800210	-	-	-	Internal	-
5792800220	-	-	-	Internal	-
5792800620	-	-	-	Internal	Red
5792805220	1,8 VA	3 VA	2,6 VA	Internal	-
5792805270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5792805280	2 VA	3,2 VA	2,8 VA	Internal	-
5792805680	2,2 VA	3,4 VA	3 VA	Internal	Red

Part No.	Protected against polarity reversal	
5790800210	Protected against polarity reversal	-
5790800220	Protected against polarity reversal	-
5790800620	Protected against polarity reversal	1)
5790805220	Protected against polarity reversal	-
5790805270	Protected against polarity reversal	-
5790805280	Protected against polarity reversal	-
5790805680	Protected against polarity reversal	-
5791805220	Protected against polarity reversal	-
5791800210	Protected against polarity reversal	-
5791800220	Protected against polarity reversal	-
5791800620	Protected against polarity reversal	1)
5791805270	Protected against polarity reversal	-
5791805280	Protected against polarity reversal	-

Part No.	Protected against polarity reversal	
5791805680	Protected against polarity reversal	-
5796700210	Protected against polarity reversal	-
5796700220	Protected against polarity reversal	-
5796700620	Protected against polarity reversal	1)
5796705220	Protected against polarity reversal	-
5796705270	Protected against polarity reversal	-
5796705280	Protected against polarity reversal	-
5796705680	Protected against polarity reversal	-
5796800210	Protected against polarity reversal	-
5796800220	Protected against polarity reversal	-
5796800620	Protected against polarity reversal	1)
5796805220	Protected against polarity reversal	-
5796805270	Protected against polarity reversal	-
5796805280	Protected against polarity reversal	-
5796805680	Protected against polarity reversal	-
5792800210	Protected against polarity reversal	-
5792800220	Protected against polarity reversal	-
5792800620	Protected against polarity reversal	1)
5792805220	Protected against polarity reversal	-
5792805270	Protected against polarity reversal	-
5792805280	Protected against polarity reversal	-
5792805680	Protected against polarity reversal	-

Nominal flow Q_n 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 .

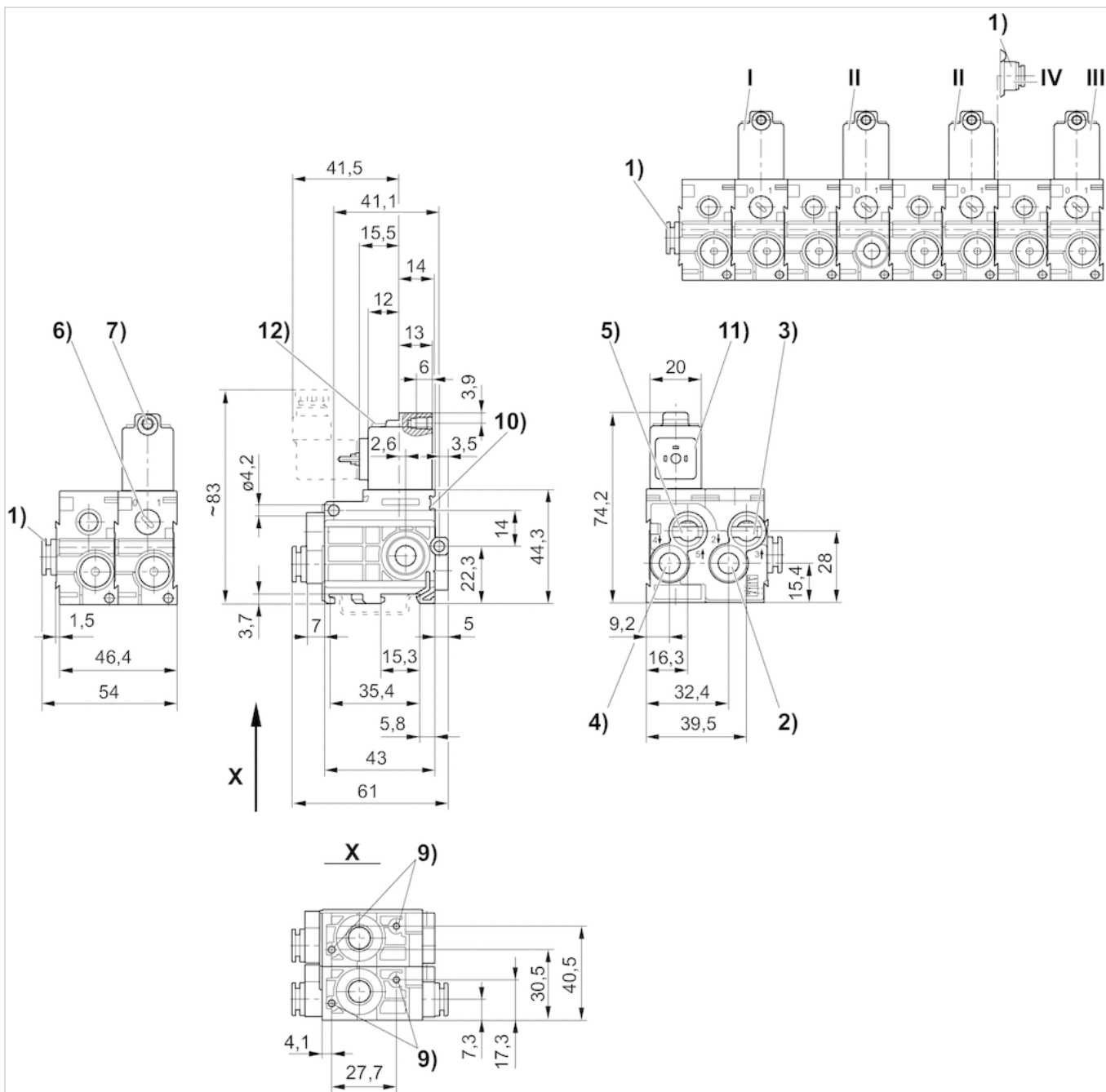
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

Dimensions

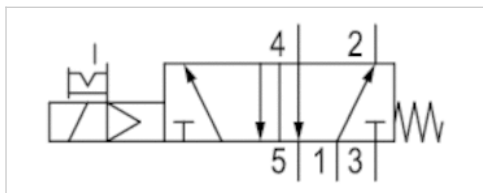


1) Port 12) Port 23) Port 34) Port 45) Port 56) Manual override7) Core Ø for M58) Exhaust air must not be throttled9) Pocket hole 6 mm deep for 3.5 self-tapping screw10) mounting space for name plate11) Coil can be rotated at 180° intervals12) LED* Air connection module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required.

I = Inlet valve, II = Stacking valve, III = End valve

5/2-directional valve, Series 579

- Q_n = 600 l/min
- Pipe connection
- Compressed air connection output 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 Q _n	600 l/min
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
5790900210	NC		Inlet valve
5790900220	NC		Inlet valve
5790900620	NC		Inlet valve
5790905220	NC		Inlet valve
5790905270	NC		Inlet valve
5790905280	NC		Inlet valve
5790905680	NC		Inlet valve
5791900210	NC		Stacking valve
5791900220	NC		Stacking valve
5791900620	NC		Stacking valve
5791905220	NC		Stacking valve
5791905270	NC		Stacking valve
5791905280	NC		Stacking valve
5791905680	NC		Stacking valve
5796900210	NC		Stacking valve, additional pressure connection
5796900220	NC		Stacking valve, additional pressure connection
5796900620	NC		Stacking valve, additional pressure connection
5796905220	NC		Stacking valve, additional pressure connection
5796905270	NC		Stacking valve, additional pressure connection
5796905280	NC		Stacking valve, additional pressure connection

Part No.		MO	Type
5796905680	NC		Stacking valve, additional pressure connection
5792900210	NC		End valve
5792900220	NC		End valve
5792900620	NC		End valve
5792905220	NC		End valve
5792905270	NC		End valve
5792905280	NC		End valve
5792905680	NC		End valve

Part No.	Compressed air connection	Compressed air connection	Operationalvoltage
	Input	Output	DC
5790900210	Ø 8x1	Ø 8x1	12 V
5790900220	Ø 8x1	Ø 8x1	24 V
5790900620	Ø 8x1	Ø 8x1	24 V
5790905220	Ø 8x1	Ø 8x1	-
5790905270	Ø 8x1	Ø 8x1	-
5790905280	Ø 8x1	Ø 8x1	-
5790905680	Ø 8x1	Ø 8x1	-
5791900210	-	Ø 8x1	12 V
5791900220	-	Ø 8x1	24 V
5791900620	-	Ø 8x1	24 V
5791905220	-	Ø 8x1	-
5791905270	-	Ø 8x1	-
5791905280	-	Ø 8x1	-
5791905680	-	Ø 8x1	-
5796900210	Ø 8x1	Ø 8x1	12 V
5796900220	Ø 8x1	Ø 8x1	24 V
5796900620	Ø 8x1	Ø 8x1	24 V
5796905220	Ø 8x1	Ø 8x1	-
5796905270	Ø 8x1	Ø 8x1	-
5796905280	Ø 8x1	Ø 8x1	-
5796905680	Ø 8x1	Ø 8x1	-
5792900210	-	Ø 8x1	12 V
5792900220	-	Ø 8x1	24 V
5792900620	-	Ø 8x1	24 V
5792905220	-	Ø 8x1	-
5792905270	-	Ø 8x1	-
5792905280	-	Ø 8x1	-
5792905680	-	Ø 8x1	-

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5790900210	-	-	1,6 W	-
5790900220	-	-	1,6 W	-
5790900620	-	-	1,7 W	-
5790905220	24 V	24 V	-	2,2 VA
5790905270	110 V	110 V	-	3 VA
5790905280	230 V	230 V	-	2,3 VA
5790905680	230 V	230 V	-	2,5 VA

Part No.	Operationalvoltage	Operationalvoltage	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
5791900210	-	-	1,6 W	-
5791900220	-	-	1,6 W	-
5791900620	-	-	1,7 W	-
5791905220	24 V	24 V	-	2,2 VA
5791905270	110 V	110 V	-	3 VA
5791905280	230 V	230 V	-	2,3 VA
5791905680	230 V	230 V	-	2,5 VA
5796900210	-	-	1,6 W	-
5796900220	-	-	1,6 W	-
5796900620	-	-	1,7 W	-
5796905220	24 V	24 V	-	2,2 VA
5796905270	110 V	110 V	-	3 VA
5796905280	230 V	230 V	-	2,3 VA
5796905680	230 V	230 V	-	2,5 VA
5792900210	-	-	1,6 W	-
5792900220	-	-	1,6 W	-
5792900620	-	-	1,7 W	-
5792905220	24 V	24 V	-	2,2 VA
5792905270	110 V	110 V	-	3 VA
5792905280	230 V	230 V	-	2,3 VA
5792905680	230 V	230 V	-	2,5 VA

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5790900210	-	-	-	Internal	-
5790900220	-	-	-	Internal	-
5790900620	-	-	-	Internal	Red
5790905220	1,8 VA	3 VA	2,6 VA	Internal	-
5790905270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5790905280	2 VA	3,2 VA	2,8 VA	Internal	-
5790905680	2,2 VA	3,4 VA	3 VA	Internal	Red
5791900210	-	-	-	Internal	-
5791900220	-	-	-	Internal	-
5791900620	-	-	-	Internal	Red
5791905220	1,8 VA	3 VA	2,6 VA	Internal	-
5791905270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5791905280	2 VA	3,2 VA	2,8 VA	Internal	-
5791905680	2,2 VA	3,4 VA	3 VA	Internal	Red
5796900210	-	-	-	Internal	-
5796900220	-	-	-	Internal	-
5796900620	-	-	-	Internal	Red
5796905220	1,8 VA	3 VA	2,6 VA	Internal	-
5796905270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5796905280	2 VA	3,2 VA	2,8 VA	Internal	-
5796905680	2,2 VA	3,4 VA	3 VA	Internal	Red
5792900210	-	-	-	Internal	-
5792900220	-	-	-	Internal	-
5792900620	-	-	-	Internal	Red

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	LED
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
5792905220	1,8 VA	3 VA	2,6 VA	Internal	-
5792905270	2,4 VA	4,2 VA	3,4 VA	Internal	-
5792905280	2 VA	3,2 VA	2,8 VA	Internal	-
5792905680	2,2 VA	3,4 VA	3 VA	Internal	Red

Part No.	Protected against polarity reversal	
5790900210	Protected against polarity reversal	-
5790900220	Protected against polarity reversal	-
5790900620	Protected against polarity reversal	1)
5790905220	Protected against polarity reversal	-
5790905270	Protected against polarity reversal	-
5790905280	Protected against polarity reversal	-
5790905680	Protected against polarity reversal	-
5791900210	Protected against polarity reversal	-
5791900220	Protected against polarity reversal	-
5791900620	Protected against polarity reversal	1)
5791905220	Protected against polarity reversal	-
5791905270	Protected against polarity reversal	-
5791905280	Protected against polarity reversal	-
5791905680	Protected against polarity reversal	-
5796900210	Protected against polarity reversal	-
5796900220	Protected against polarity reversal	-
5796900620	Protected against polarity reversal	1)
5796905220	Protected against polarity reversal	-
5796905270	Protected against polarity reversal	-
5796905280	Protected against polarity reversal	-
5796905680	Protected against polarity reversal	-
5792900210	Protected against polarity reversal	-
5792900220	Protected against polarity reversal	-
5792900620	Protected against polarity reversal	1)
5792905220	Protected against polarity reversal	-
5792905270	Protected against polarity reversal	-
5792905280	Protected against polarity reversal	-
5792905680	Protected against polarity reversal	-

Nominal flow Q_n 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 .

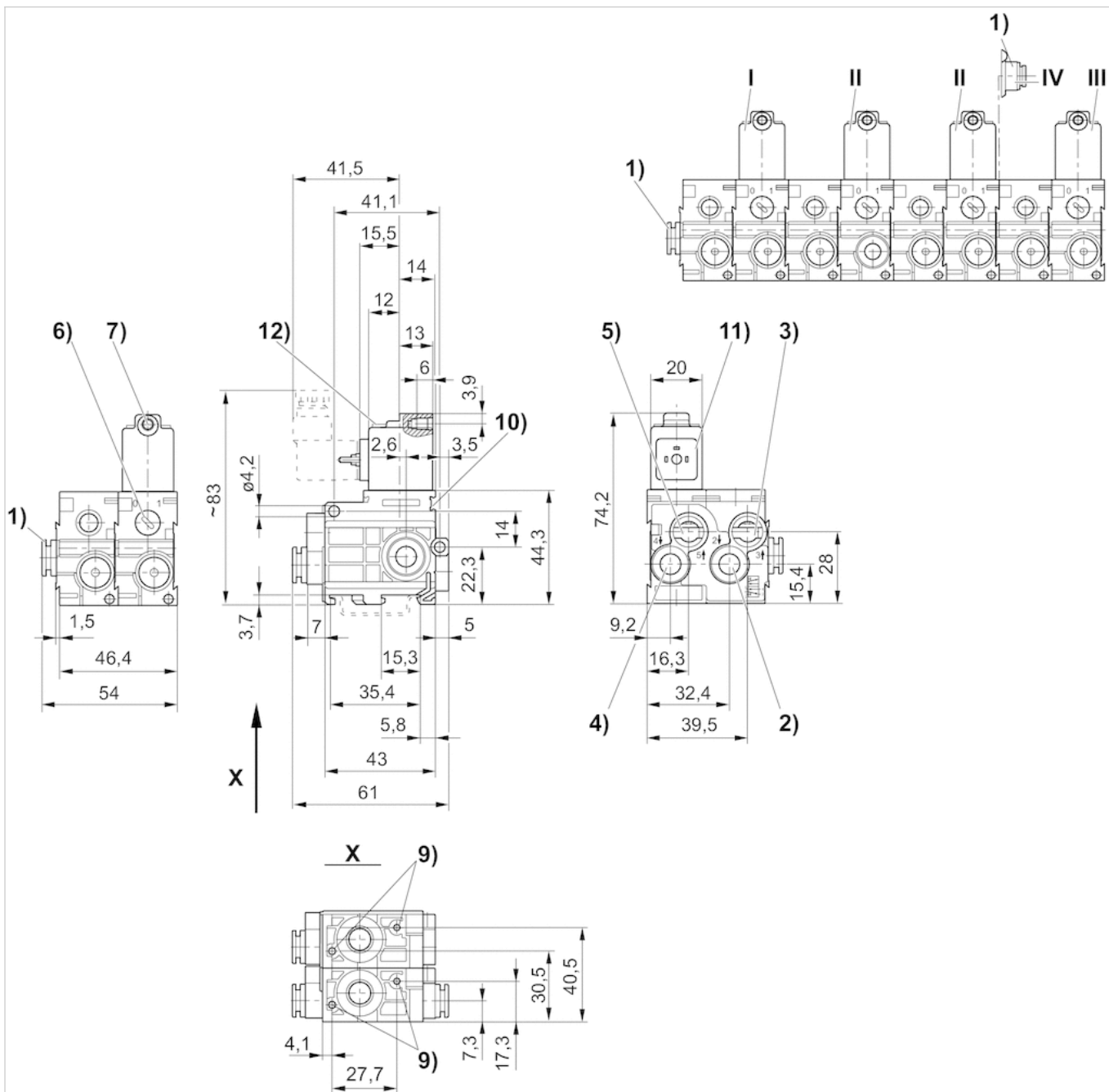
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber, Polyurethane

Dimensions

Dimensions

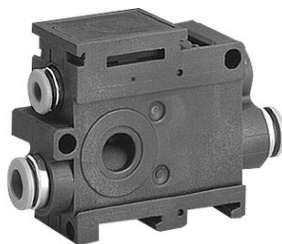


1) Port 12) Port 23) Port 34) Port 45) Port 56) Manual override7) Core Ø for M58) Exhaust air must not be throttled9) Pocket hole 6 mm deep for 3.5 self-tapping screw10) mounting space for name plate11) Coil can be rotated at 180° intervals12) LED* Air connection module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required.

I = Inlet valve, II = Stacking valve, III = End valve

3/2-directional valve, Series 579

- Qn = 520-850 l/min
- Compressed air connection output Ø6x1, Ø 8x1
- Single air pilot
- Pipe connection
- single valve



Version	Poppet valve
Activation	Pneumatically
Sealing principle	Soft sealing
Working pressure min./max.	0,5 ... 8 bar
Control pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-15 ... 60 °C
Medium temperature min./max.	-15 ... 60 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	See table below

Technical data

Part No.			Compressed air connection	Compressed air connection
			Input	Output
5794400000		NC	Ø6x1	Ø6x1
5794600000		NC	Ø 8x1	Ø 8x1
5794400010		NO	Ø6x1	Ø6x1
5794600010		NO	Ø 8x1	Ø 8x1

Part No.	Compressed air connection	Flow Qn	Weight
	Pilot control exhaust		
5794400000	Ø 4	520 l/min	0,062 kg
5794600000	Ø 4	850 l/min	0,058 kg
5794400010	Ø 4	520 l/min	0,062 kg
5794600010	Ø 4	600 l/min	0,059 kg

Nominal flow Qn at 6 bar and $\Delta p = 1$ bar, Control pressure in port 12 must be greater than pressure in port 1

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).

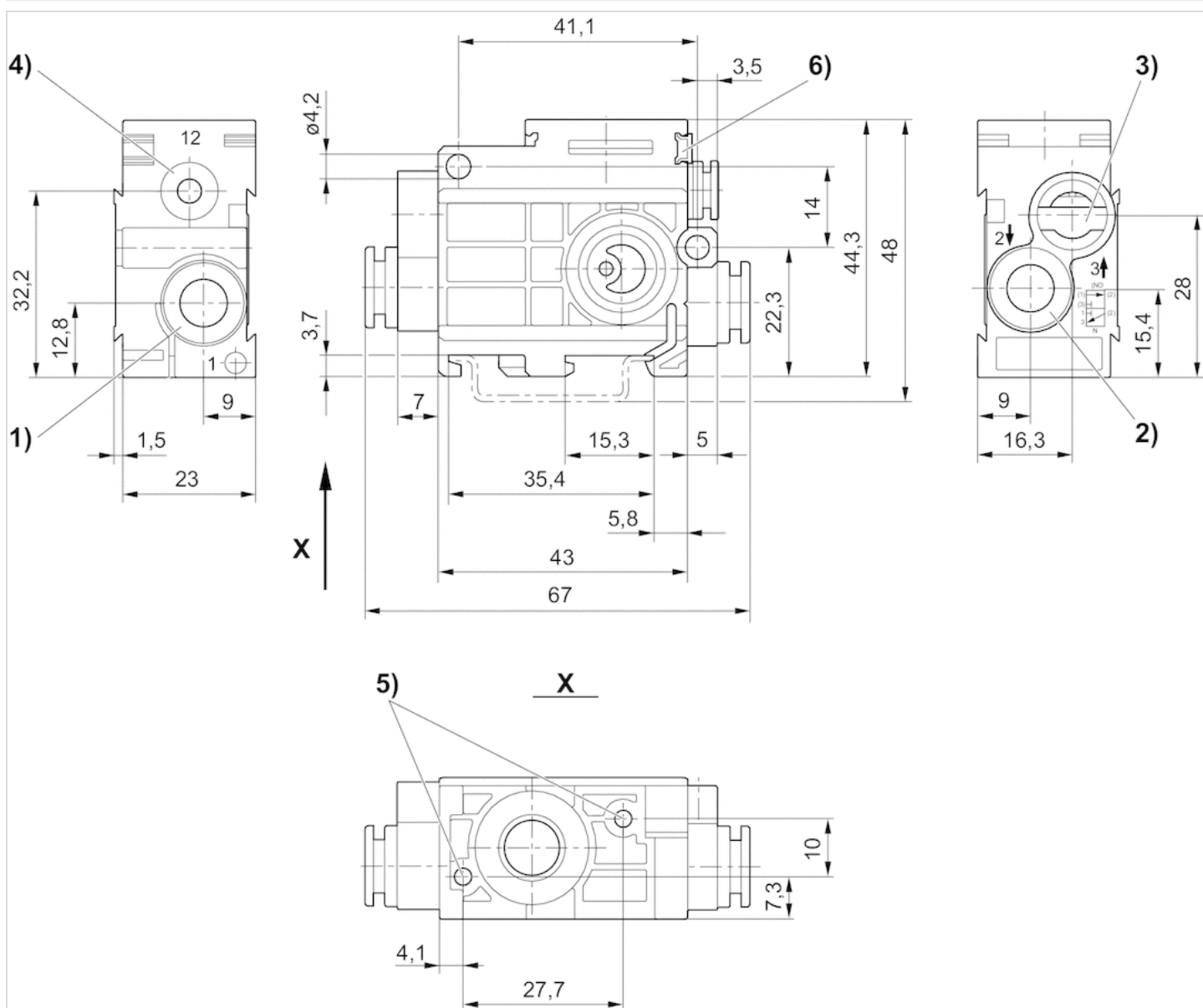
At an ambient temperature of 40 °C the max. working pressure is 10 bar .

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) port 12) port 23) port 3 exhaust must not be throttled4) port 125) pocket hole 6 mm deep for 3.5 self-tapping screw6) mounting space for name plate

3/2-directional valve, Series 579

- Qn = 600-850 l/min
- Compressed air connection output Ø 8x1
- Single air pilot
- Pipe connection
- Can be assembled into blocks
- Inlet valve, Stacking valve, End valve



Version	Poppet valve
Activation	Pneumatically
Sealing principle	Soft sealing
Blocking principle	Plate principle
Working pressure min./max.	0,5 ... 8 bar
Control pressure min./max.	2 bar
Ambient temperature min./max.	-15 ... 60 °C
Medium temperature min./max.	-15 ... 60 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	See table below

Technical data

Part No.			Compressed air connection	Compressed air connection	Flow
			Output	Pilot control exhaust	Qn
5790600000		NC	Ø 8x1	Ø 4	850 l/min
5791600000		NC	Ø 8x1	Ø 4	850 l/min
5792600000		NC	Ø 8x1	Ø 4	850 l/min
5790600010		NO	Ø 8x1	Ø 4	600 l/min
5791600010		NO	Ø 8x1	Ø 4	600 l/min
5792600010		NO	Ø 8x1	Ø 4	600 l/min

Part No.	Blocking principle	Weight
5790600000	Inlet valve	0,06 kg
5791600000	Stacking valve	0,056 kg
5792600000	End valve	0,062 kg
5790600010	Inlet valve	0,06 kg
5791600010	Stacking valve	0,057 kg
5792600010	End valve	0,058 kg

Nominal flow Qn at 6 bar and $\Delta p = 1$ bar, Control pressure in port 12 must be greater than pressure in port 1

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).

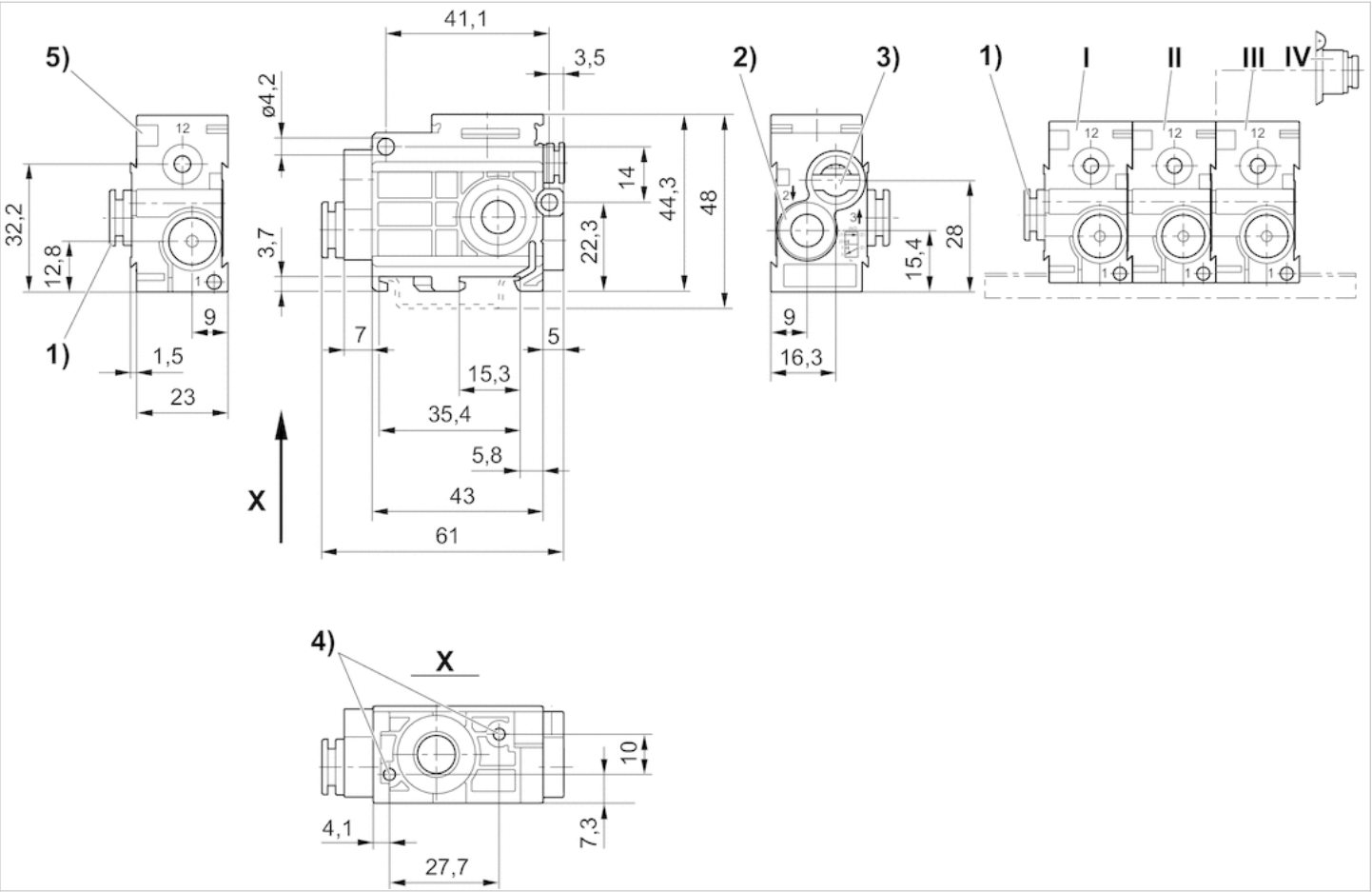
At an ambient temperature of 40 °C the max. working pressure is 10 bar .

Technical information

Material	
Housing	Polyamide
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) port 12) port 23) port 3 exhaust must not be throttled4) pocket hole 6 mm deep for 3.5 self-tapping screw5) mounting space for name plate* Air conn. module (item IV) mounted onto stacking valve (item II) permits additional air supply from right hand side. End valve (item III) not required. Inlet valve (pos. I]

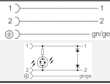
Valve plug connector, series CON-VP

- Socket, form C, 2+E, angled, 90°
- ISO 15217
- unshielded
- with LED Green



Connection type	Screws
Ambient temperature min./max.	-40 ... 90 °C
Operationalvoltage	See table below
Protection class	IP65
Mounting screw tightening torque	0,4 Nm
Weight	See table below

Technical data

Part No.		Operationalvoltage	Max. current	Protective circuit	Contact assignment
1834484187		250 / 300 V, AC/DC	6 A	-	2+E
4402050330		24 V, AC/DC	-	Z-diode	2+E

Part No.	LED status display	suitable cable-Ø min./max	Seal	Weight
1834484187	-	4 / 8 mm	caoutchouc/butadiene caoutchouc	0,012 kg
4402050330	Green	-	-	0,014 kg

Part No.	Fig.	
1834484187	Fig. 1	-
4402050330	Fig. 3	1)

1)

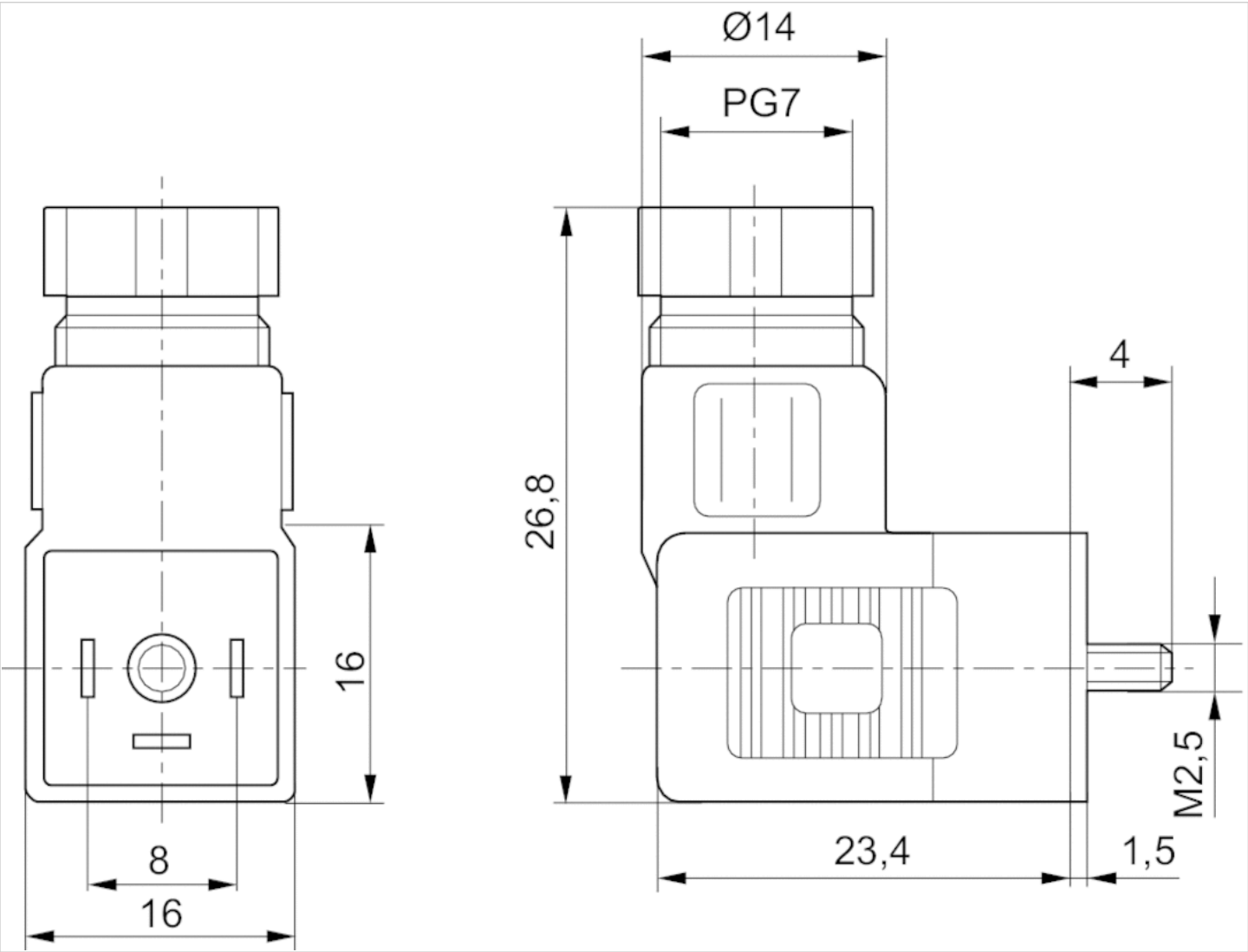
Technical information

The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Seals	caoutchouc/butadiene caoutchouc

Fig. 3



Dimensions

Fig. 1

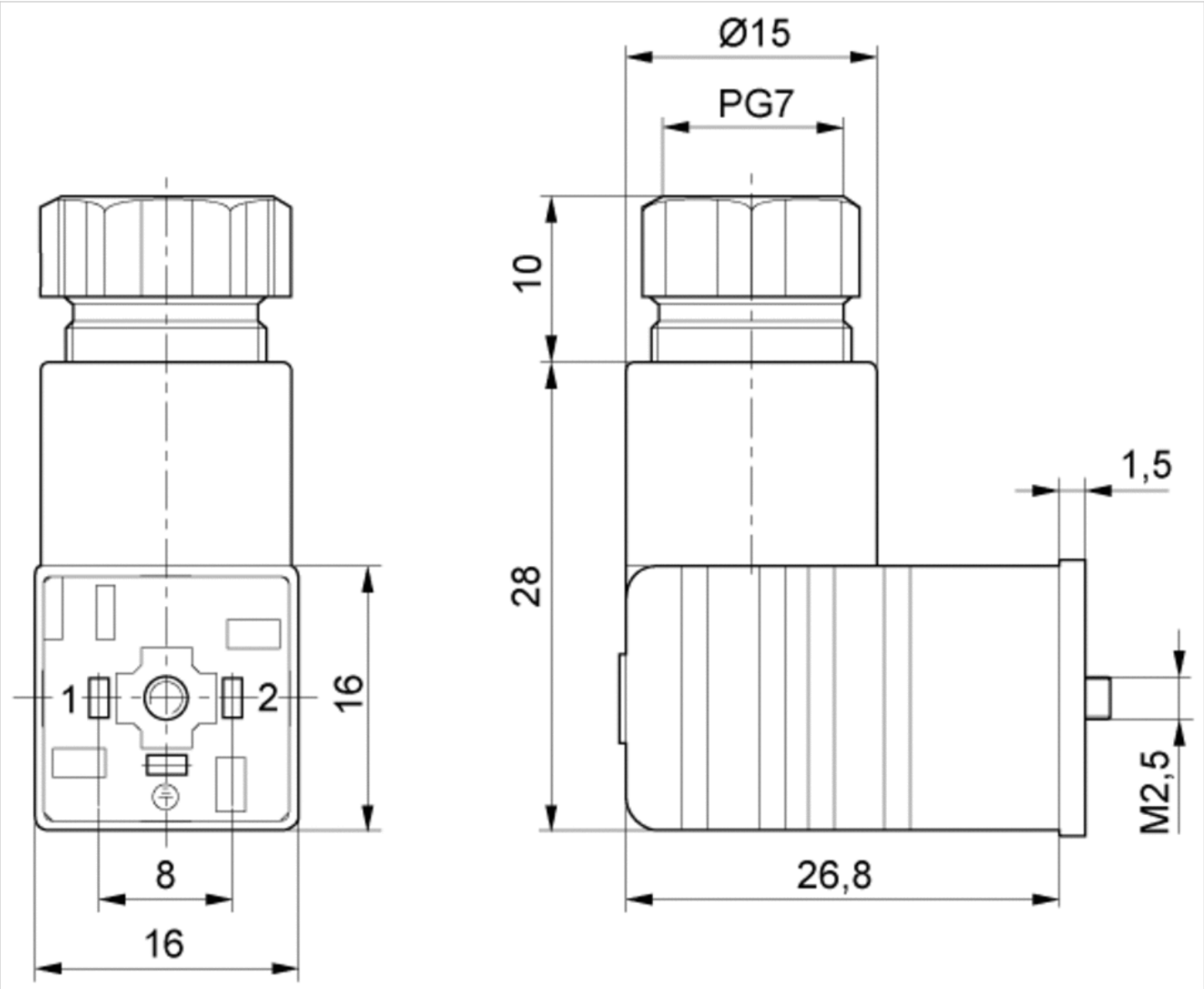
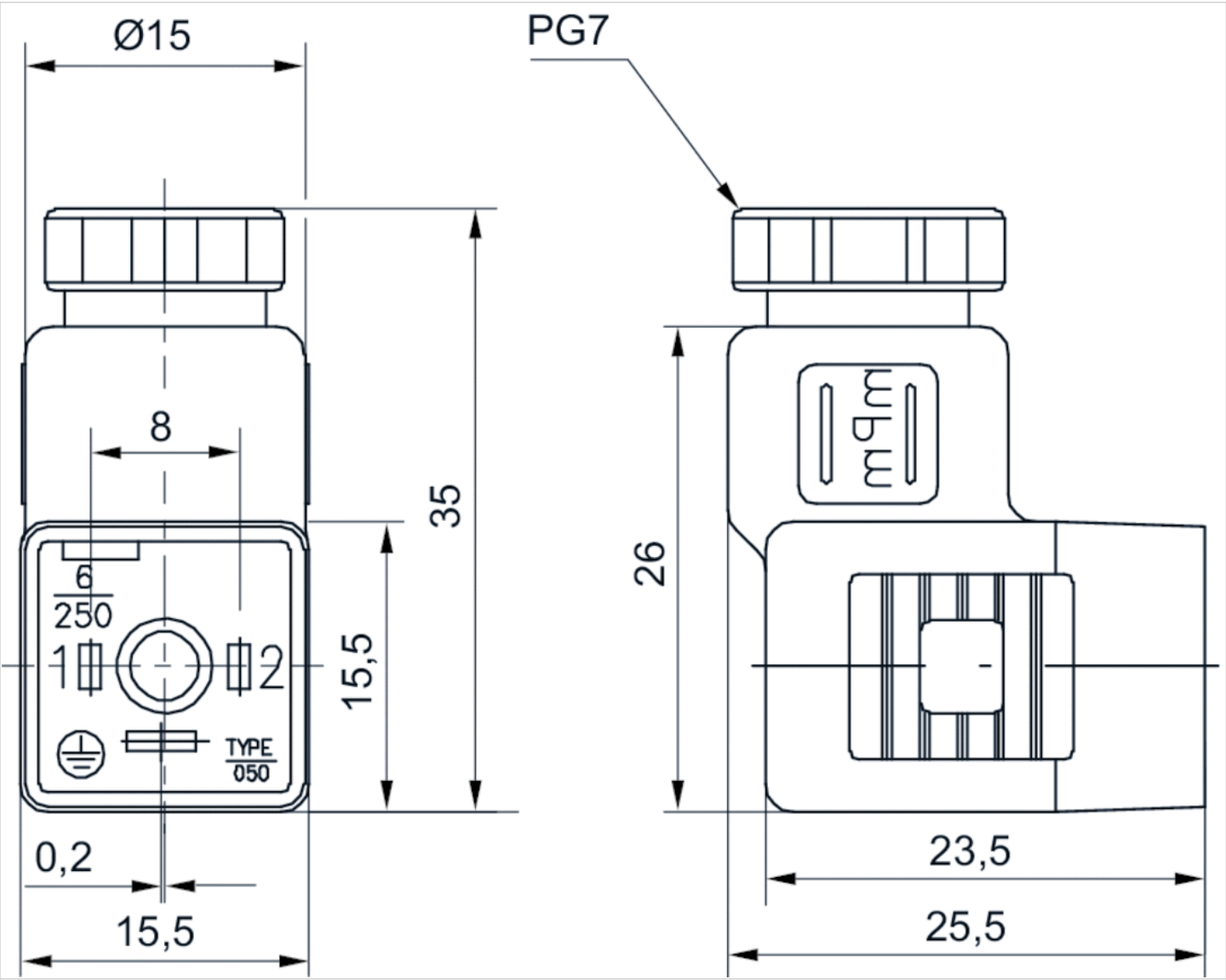


Fig. 2



Valve plug connector, series CON-VP

- Socket, form C, 2+E, angled, 90°
- open cable ends, 3-pin
- with cable
- unshielded



Ambient temperature min./max.	-20 ... 80 °C
Operational voltage	See table below
Protection class	IP67
Wire cross-section	0,75 mm ²
Mounting screw tightening torque	0,4 Nm
Weight	See table below

Technical data

Part No.		Operational voltage	Max. current	Protective circuit	Contact assignment
1834484204		24 V, AC/DC	6 A	Z-diode	2+E
1834484205		24 V, AC/DC	6 A	Z-diode	2+E
1834484206		24 V, AC/DC	6 A	Z-diode	2+E
1834484207		24 V, AC/DC	6 A	Z-diode	2+E
1834484236		24 V, AC/DC	6 A	Z-diode	2+E
1834484208		230 V, AC/DC	6 A	Varistor	2+E
1834484209		230 V, AC/DC	6 A	Varistor	2+E
1834484210		230 V, AC/DC	6 A	Varistor	2+E
1834484211		230 V, AC/DC	6 A	Varistor	2+E
1834484212		230 V, AC/DC	6 A	-	2+E
1834484213		230 V, AC/DC	6 A	-	2+E
1834484214		230 V, AC/DC	6 A	-	2+E
1834484215		230 V, AC/DC	6 A	-	2+E

Part No.	LED status display	Number of wires	Cable-Ø	Cable length	Weight	Fig.	
1834484204	Yellow	3	5,9 mm	3 m	0,185 kg	Fig. 1	1)
1834484205	Yellow	3	5,9 mm	3 m	0,185 kg	Fig. 2	1)
1834484206	Yellow	3	5,9 mm	5 m	0,292 kg	Fig. 1	1)
1834484207	Yellow	3	5,9 mm	5 m	0,298 kg	Fig. 2	1)
1834484236	Yellow	3	5,9 mm	10 m	0,571 kg	Fig. 2	1)
1834484208	Yellow	3	5,9 mm	3 m	0,171 kg	Fig. 1	1)
1834484209	Yellow	3	5,9 mm	3 m	0,194 kg	Fig. 2	1)
1834484210	Yellow	3	5,9 mm	5 m	0,297 kg	Fig. 1	1)
1834484211	Yellow	3	5,9 mm	5 m	0,285 kg	Fig. 2	1)
1834484212	-	3	5,9 mm	3 m	0,183 kg	Fig. 1	-
1834484213	-	3	5,9 mm	3 m	0,183 kg	Fig. 2	-

Part No.	LED status display	Number of wires	Cable-Ø	Cable length	Weight	Fig.	
1834484214	-	3	5,9 mm	5 m	0,308 kg	Fig. 1	-
1834484215	-	3	5,9 mm	5 m	0,308 kg	Fig. 2	-

1) Scope of delivery incl. flat gasket

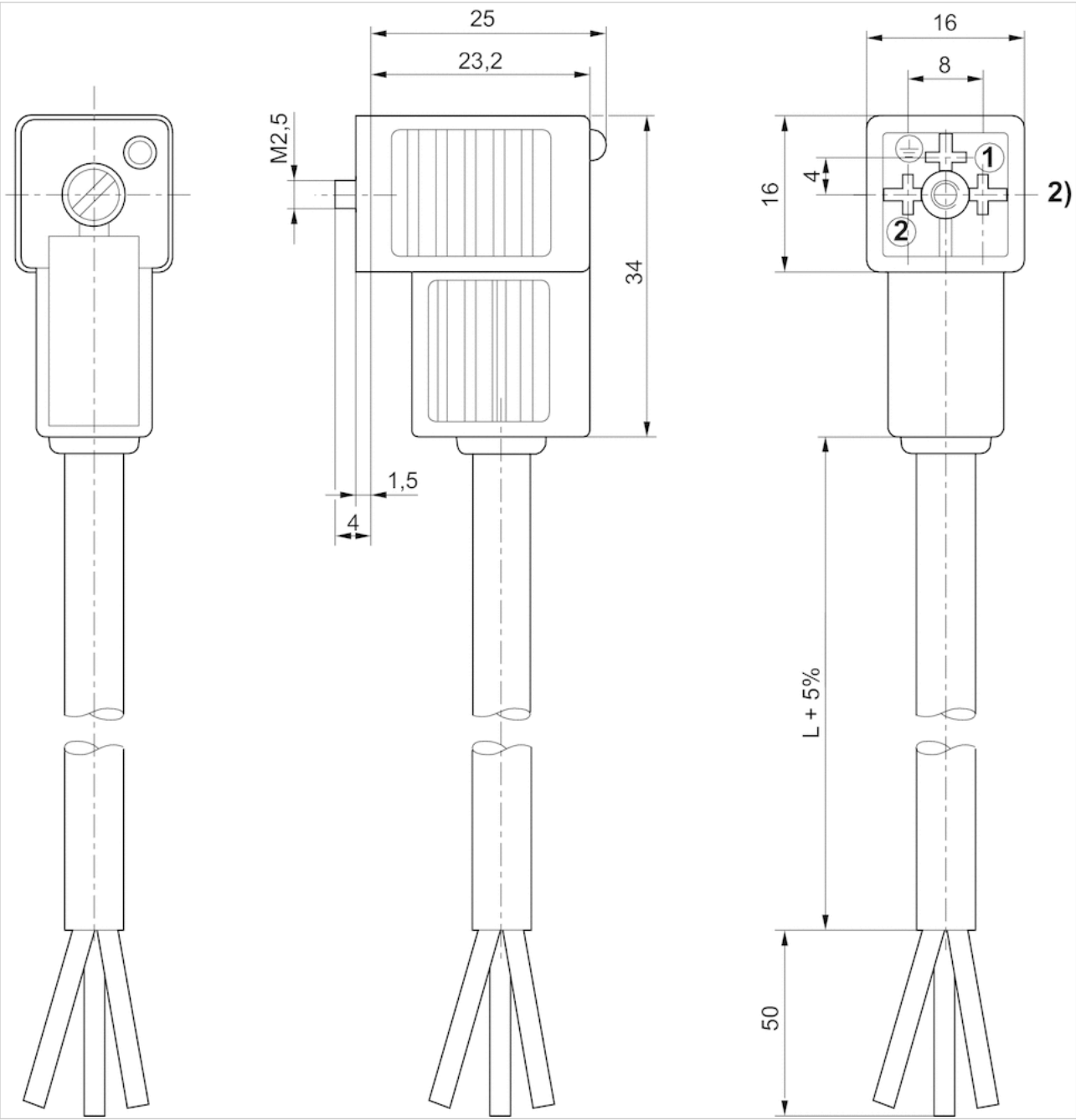
Technical information

The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Seals	caoutchouc/butadiene caoutchouc
Cable sheath	Polyvinyl chloride

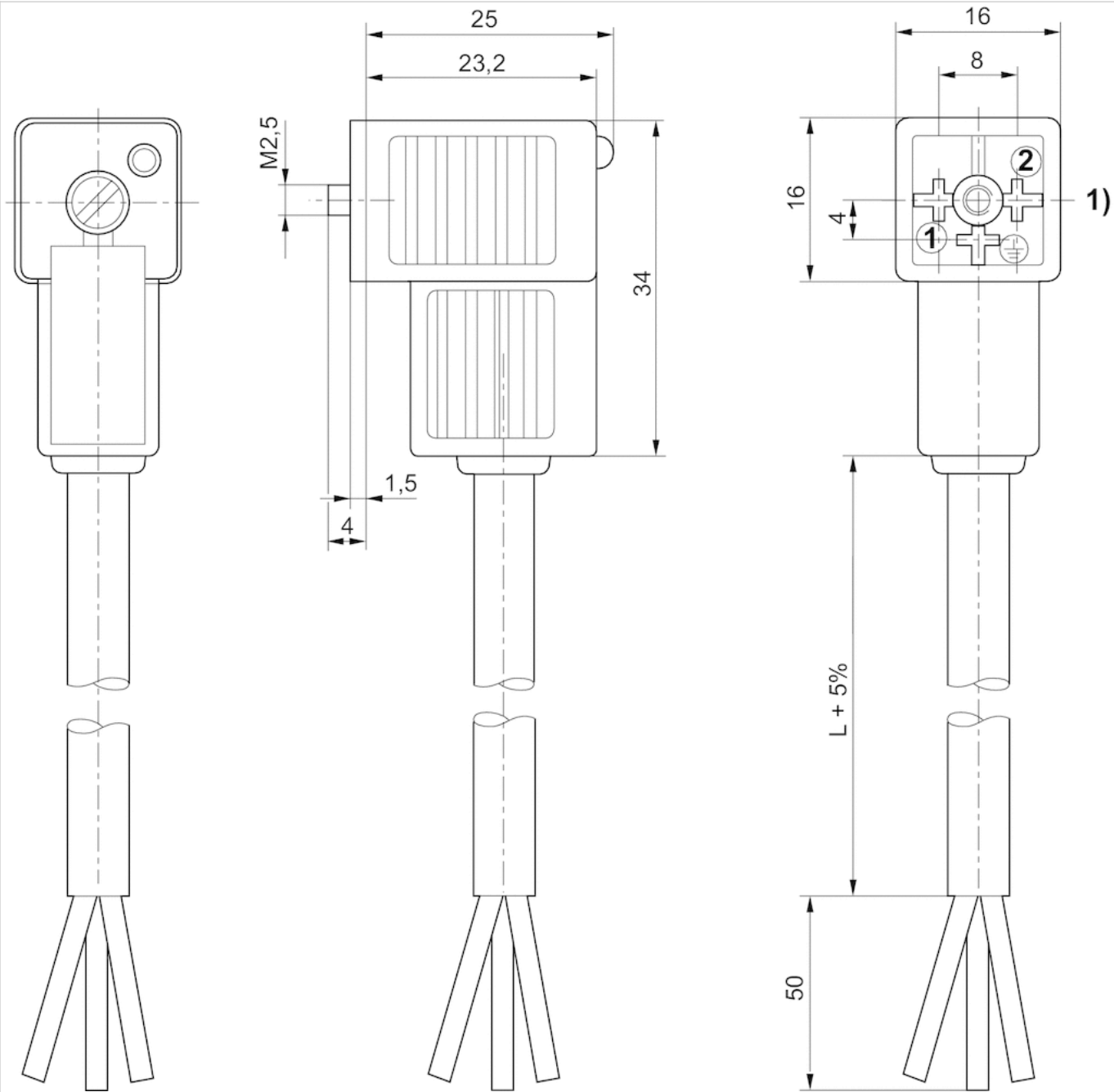
Fig. 2



2) 180° female insert

Dimensions

Fig. 1



1) 0° female insert

Contact bridges, series CON-CB

- Plug, 4-pin, straight, 180°
- Socket, form C, 2-pin, straight
- Number of solenoid coils 1



Ambient temperature min./max.	-15 ... 50 °C
Protection class	IP65
Operationalvoltage	24 V, AC/DC
DC operating voltage	24 V
Operational voltage AC at 50 Hz	24 V
Operational voltage AC at 60 Hz	24 V
Voltage tolerance DC	-20% / +20%
Voltage tolerance AC 50 Hz	-10% / +10%
Voltage tolerance AC 60 Hz	-10% / +10%
Valve LED status display	Yellow
Mounting screw	M2.5 with slot
Tightening torque for mounting screws [+0,05]	0,25 Nm
Weight	0,016 kg

Technical data

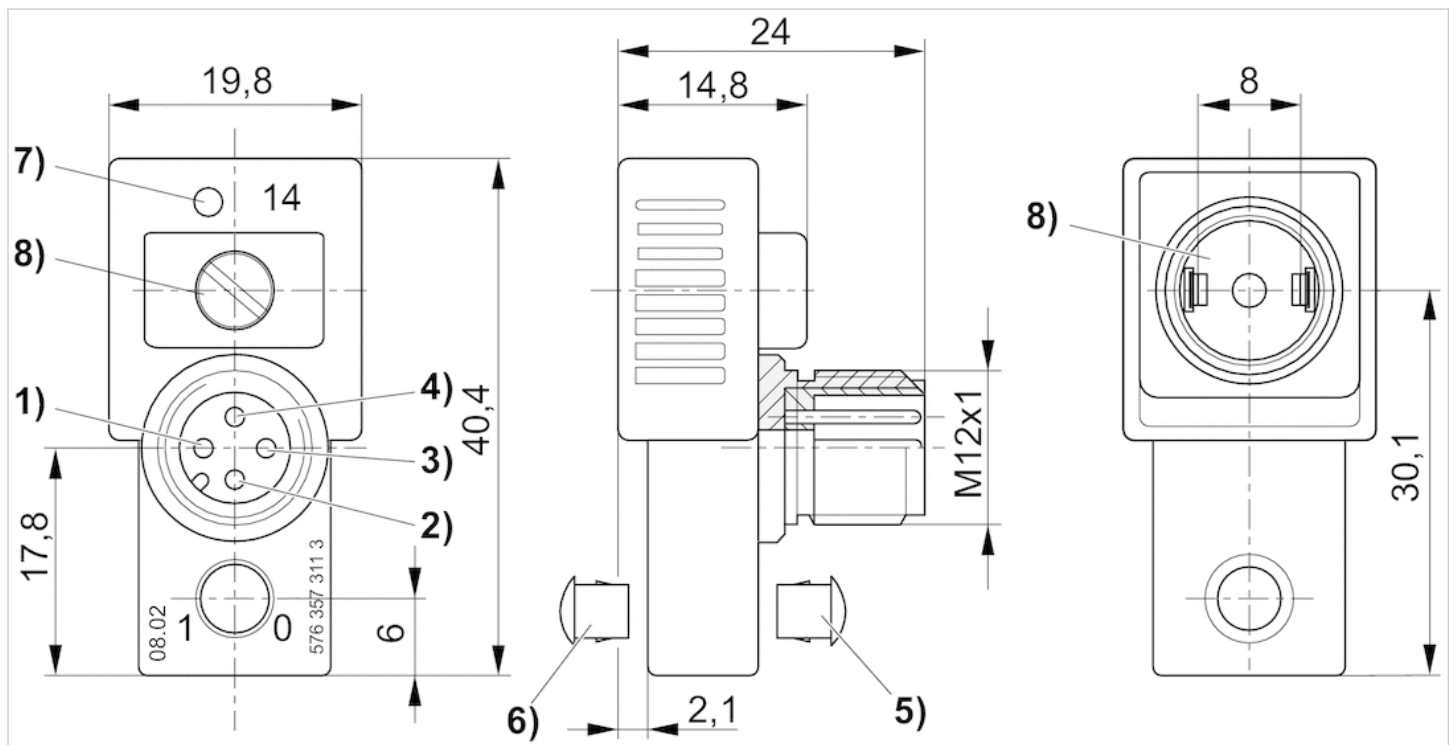
Part No.
5763573113

Technical information

Material	
Housing	Polyester amide
Seals	Fluorocaoutchouc

Dimensions

Dimensions



- 1) not assigned 2) not assigned 3) ground 4) magnet 14
 5) Sealing cap for manual override not removable
 6) Removable
 7) LED valve
 8) captive seal and screw

Contact bridges, series CON-CB

- Control Snap Ø8
- Plug, 3-pin, straight, 180°
- Socket, form C, 2-pin, straight
- Number of solenoid coils 1



Ambient temperature min./max.	-25 ... 75 °C
Protection class	IP65
Operationalvoltage	24 V, DC
DC operating voltage	24 V
Voltage tolerance DC	-20% / +20%
Valve LED status display	Yellow
Mounting screw	M2.5 with slot
Tightening torque for mounting screws [+0,05]	0,25 Nm
Weight	0,012 kg

Technical data

Part No.
5763503183

Technical information

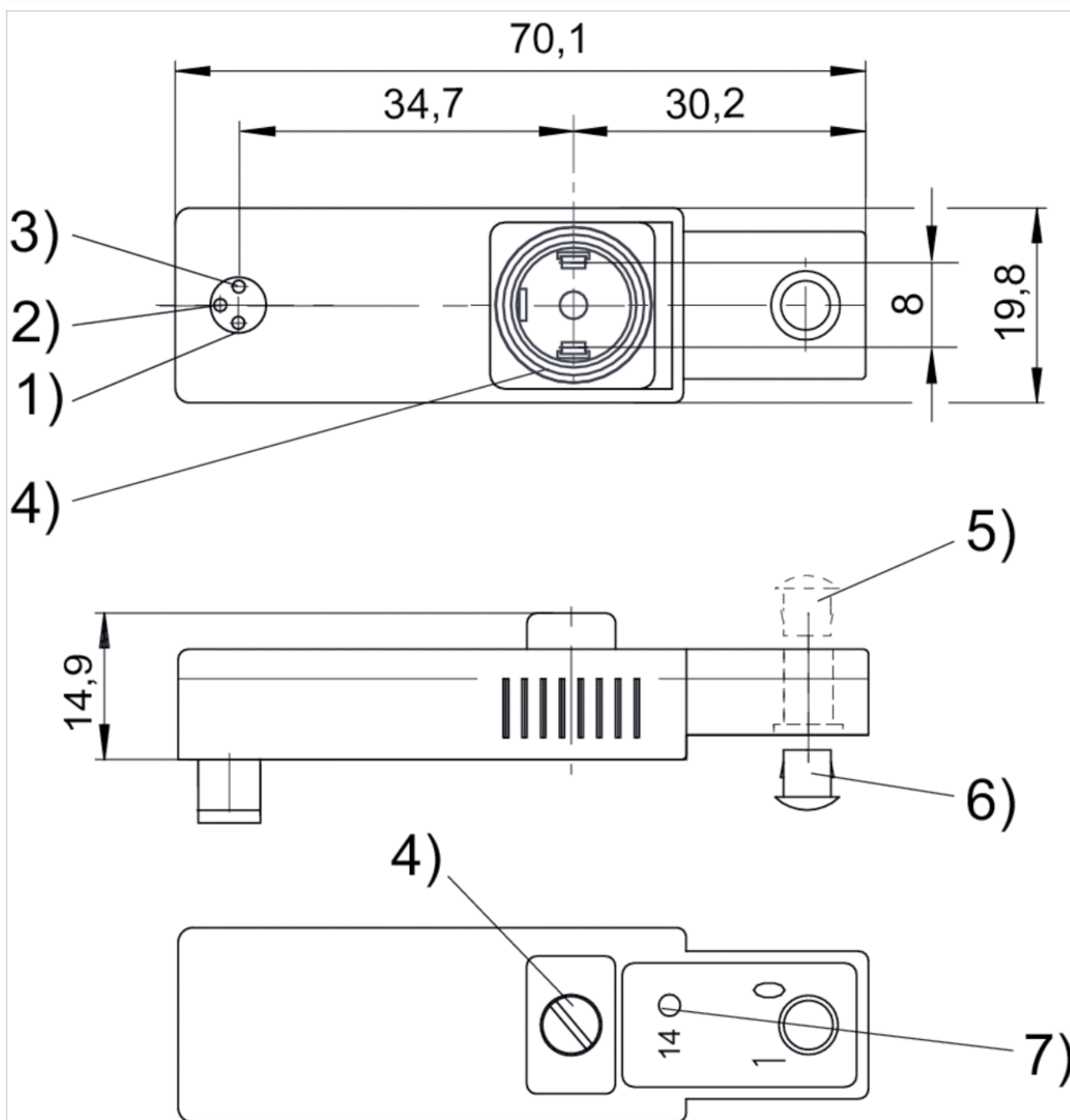
The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Housing	Polyester amide
Seals	Fluorocaoutchouc

Dimensions

Dimensions



1) solenoid 14 2) not assigned 3) ground 4) captive seal and screw 5) sealing cap for manual override not removable 6) removable 7) LED valve

Silencers, series SI1

- Sintered bronze



Working pressure min./max.

0 ... 10 bar

Ambient temperature min./max.

-25 ... 80 °C

Medium

Compressed air

Sound pressure level

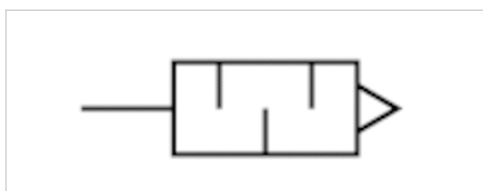
72 dB

Weight

0,004 kg

Comment

Flow characteristic curves can be found under "Diagrams".



Technical data

Part No.	Compressed air connection	Flow	Delivery unit
		Qn	
1827000006	M5	398 l/min	10 piece

Weight per piece

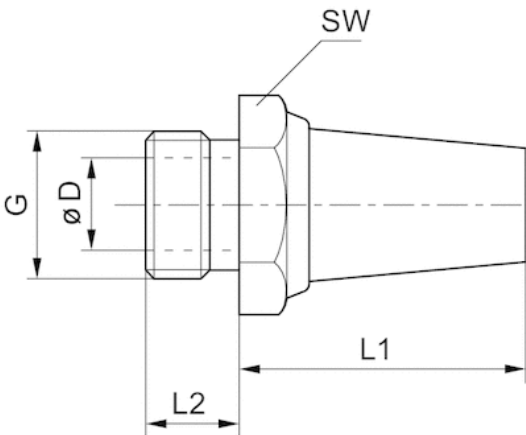
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencers	Sintered bronze
Thread	Brass

Dimensions

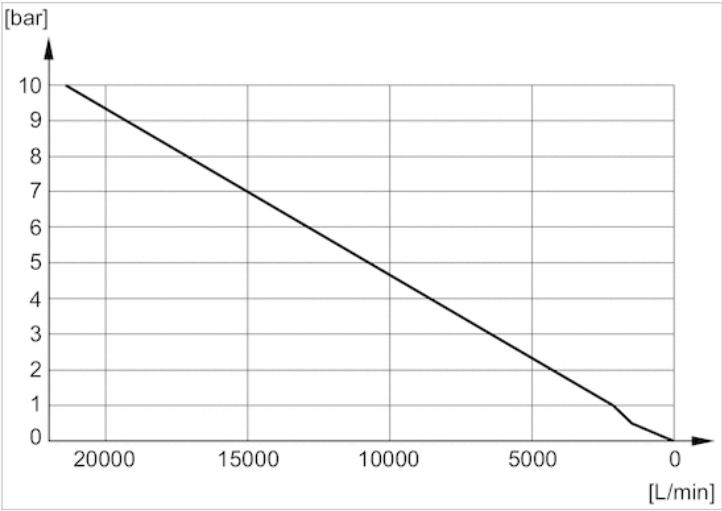
Dimensions



Dimensions

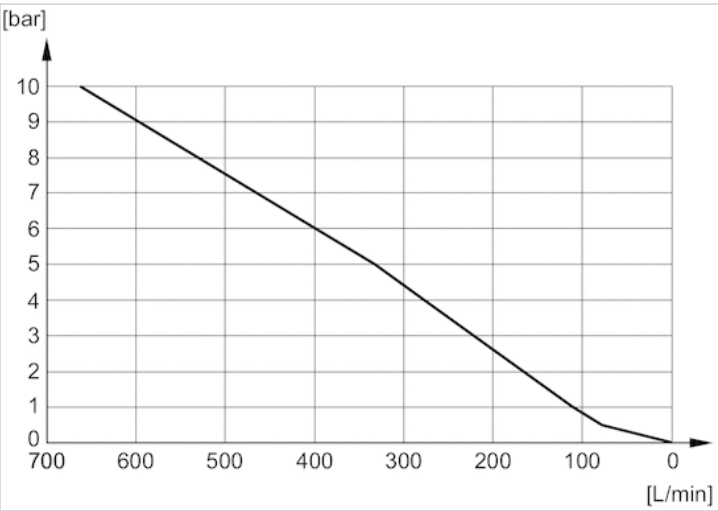
Part No.	Port G	SW	Ø D	L1	L2
1827000006	M5	7	2.5	15	5

Flow diagram 1827000005

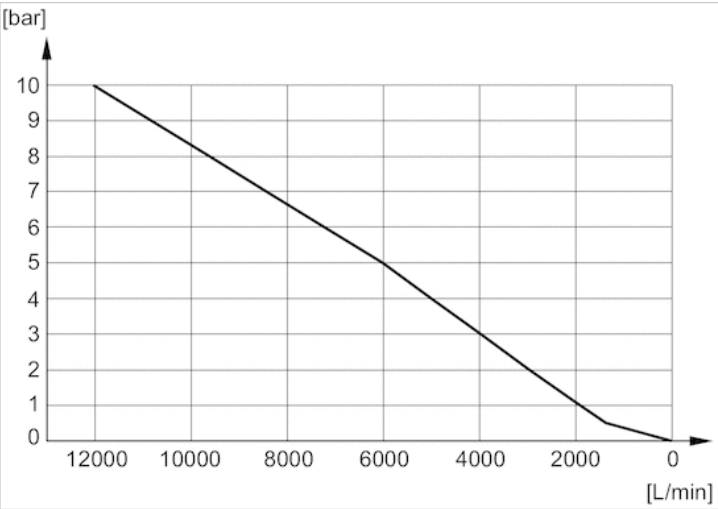


Diagrams

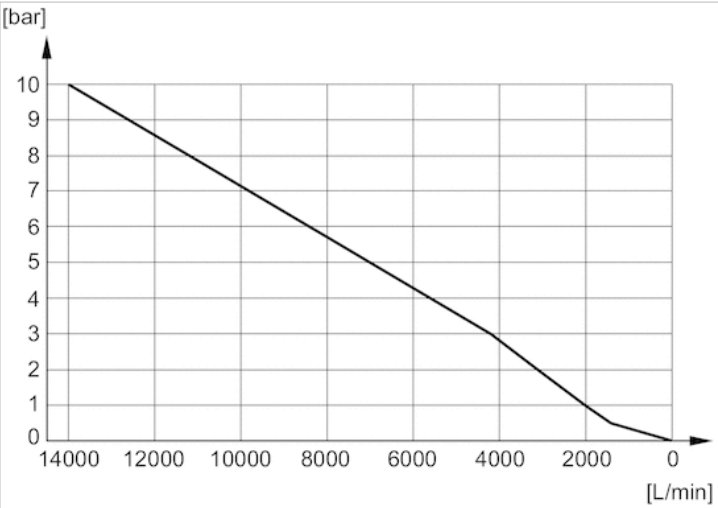
Flow diagram 1827000006



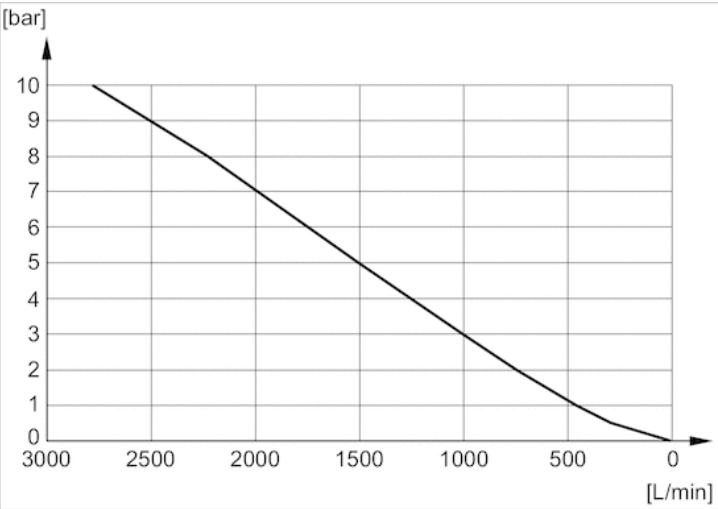
Flow diagram 1827000003



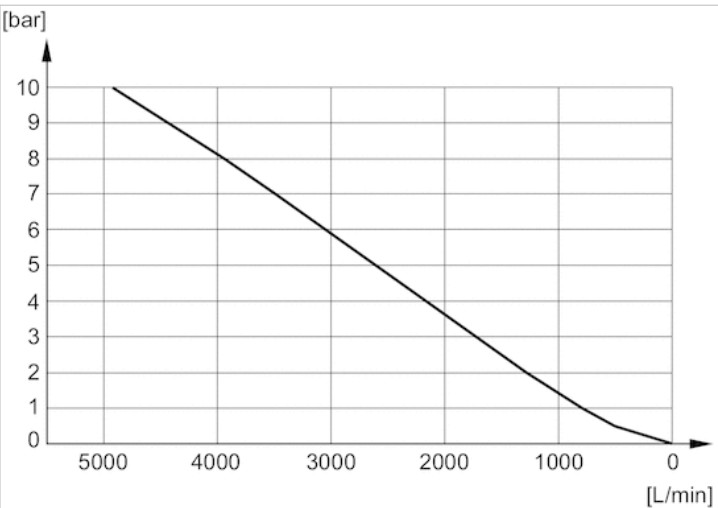
Flow diagram 1827000004



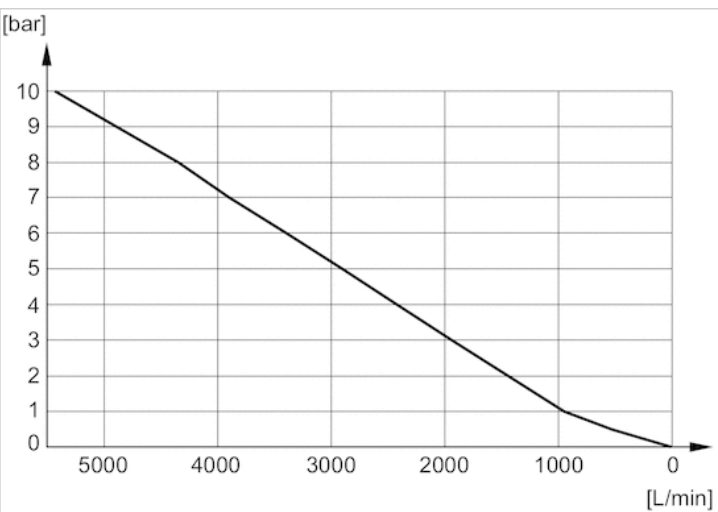
Flow diagram 5324001110



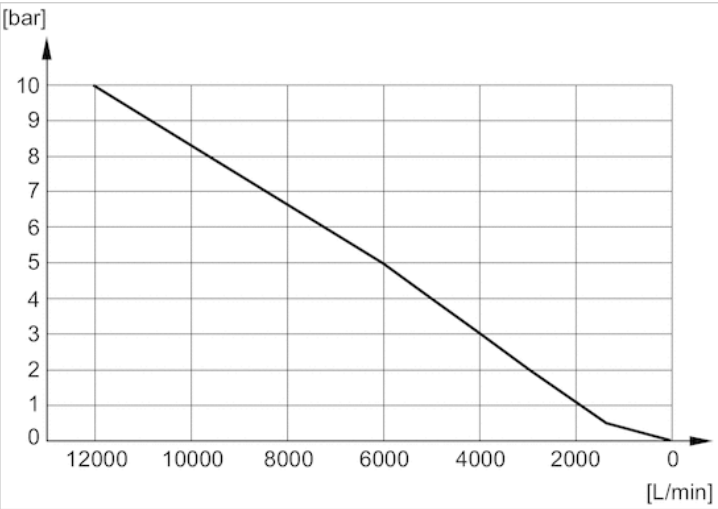
Flow diagram 5324001170



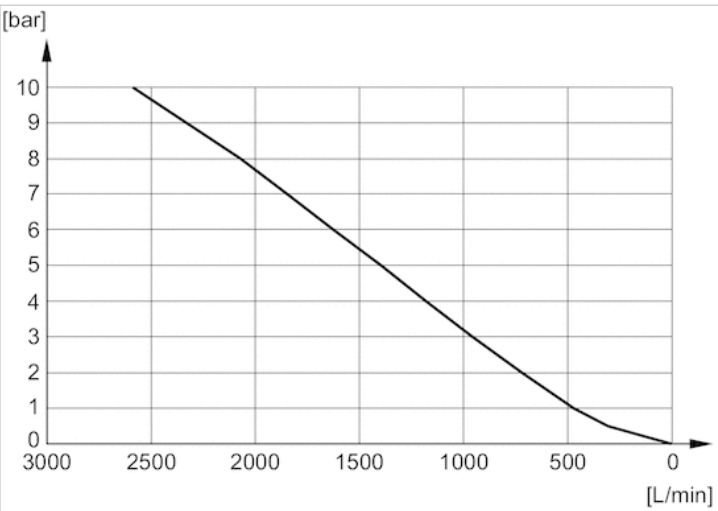
Flow diagram 5324001120



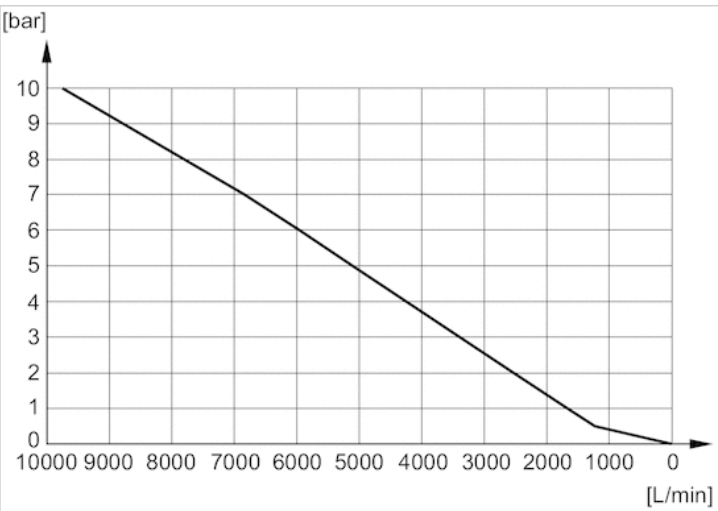
Flow diagram 5324001140



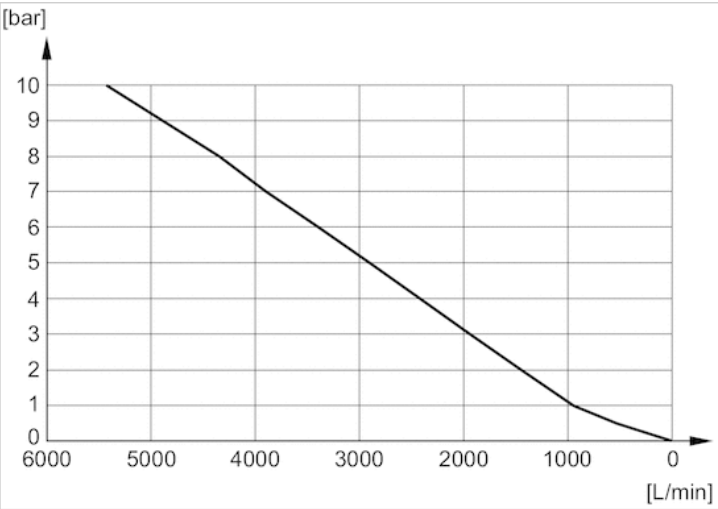
Flow diagram 1827000000



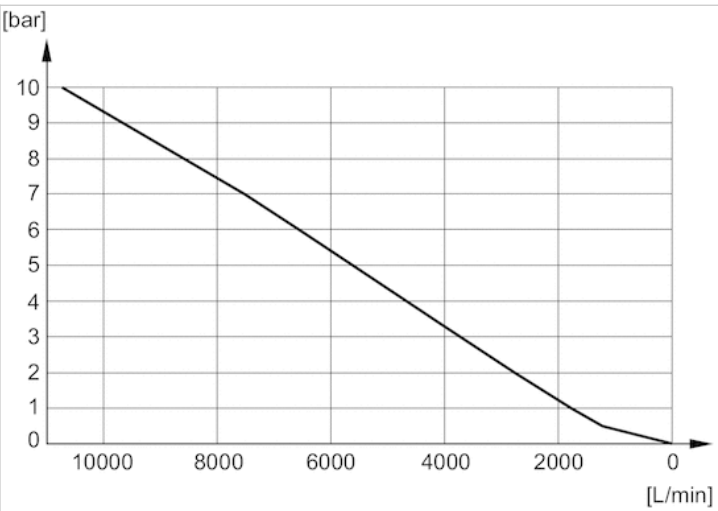
Flow diagram R412004817



Flow diagram 1827000001



Flow diagram 1827000002

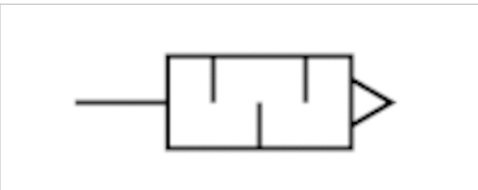


Silencers, series SI1

- Sintered bronze



Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Weight	0,008 kg



Technical data

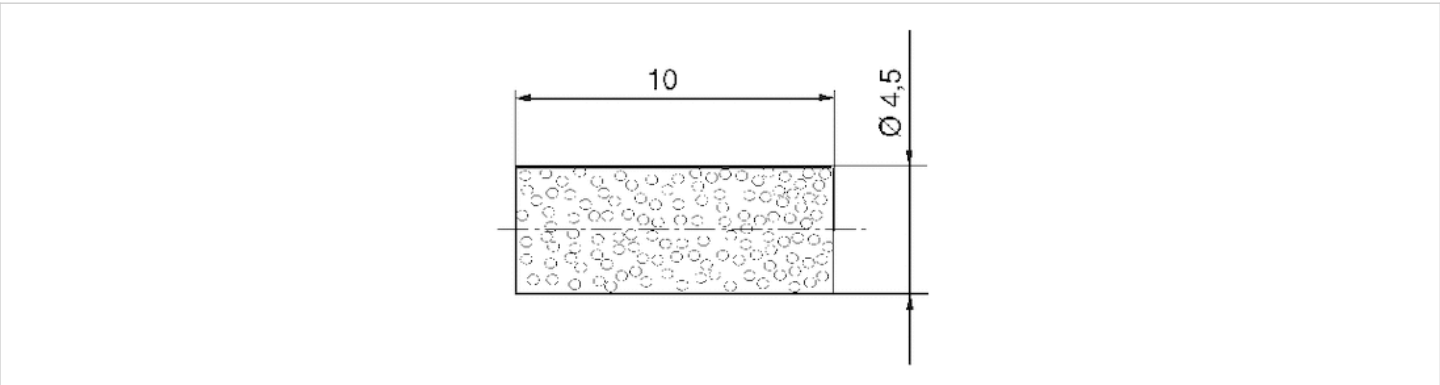
Part No.
8993800114

Technical information

Material
SilencersSintered bronze

Dimensions

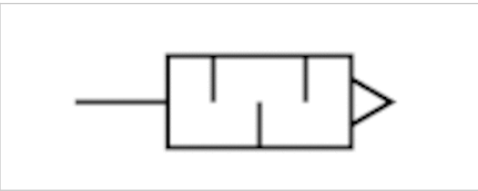
Dimensions



Silencers, series SI1



Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 60 °C
Medium	Compressed air
Sound pressure level	78 dB
Weight	See table below



Technical data

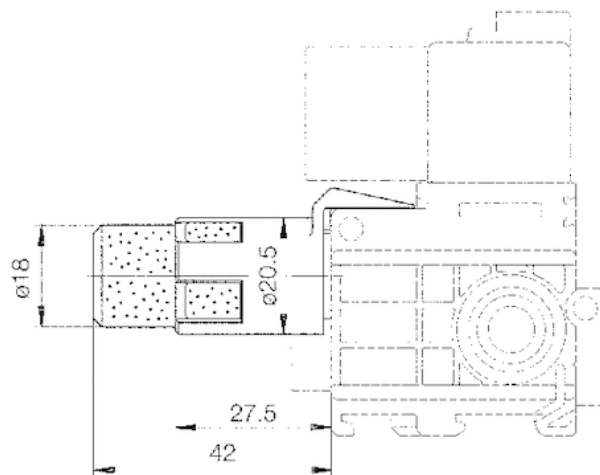
Part No.	Flow	Delivery unit	Weight
	Qn		
5790005312	1300 l/min	1 piece	0,008 kg
5790005332	1300 l/min	10 piece	0,08 kg
5790005352	1300 l/min	100 piece	0,8 kg

Technical information

Material	
Thread	Polypropylene

Dimensions

Dimensions



Air connection module



Working pressure min./max.

0,5 ... 8 bar

Ambient temperature min./max.

-15 ... 60 °C

Weight

0,008 kg

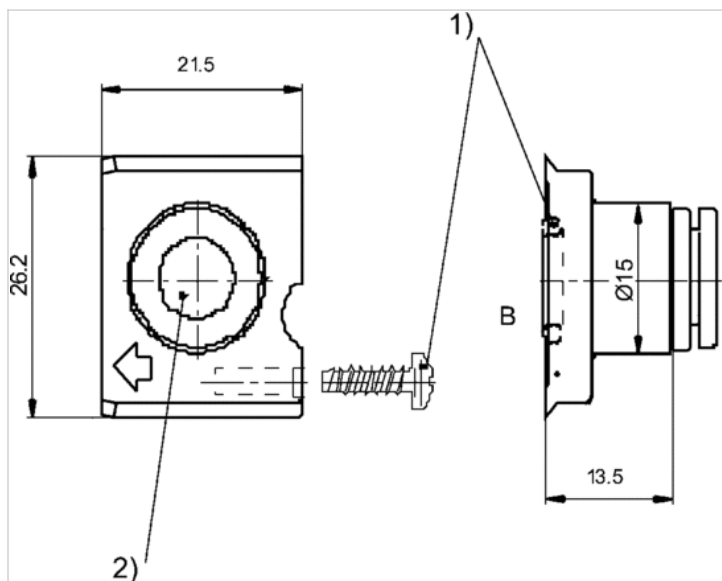
Technical data

Part No.	Type	Delivery unit
5790000092	Air connection module	1 piece

Technical information

Material	
Housing	Polyamide

Dimensions



1) mounting screw and O-ring included in scope of delivery

2) Push-in fitting Ø 8x1

Collected exhaust, Series SI1

- for 579, 589



Working pressure min./max.

-0,95 ... 10 bar

Ambient temperature min./max.

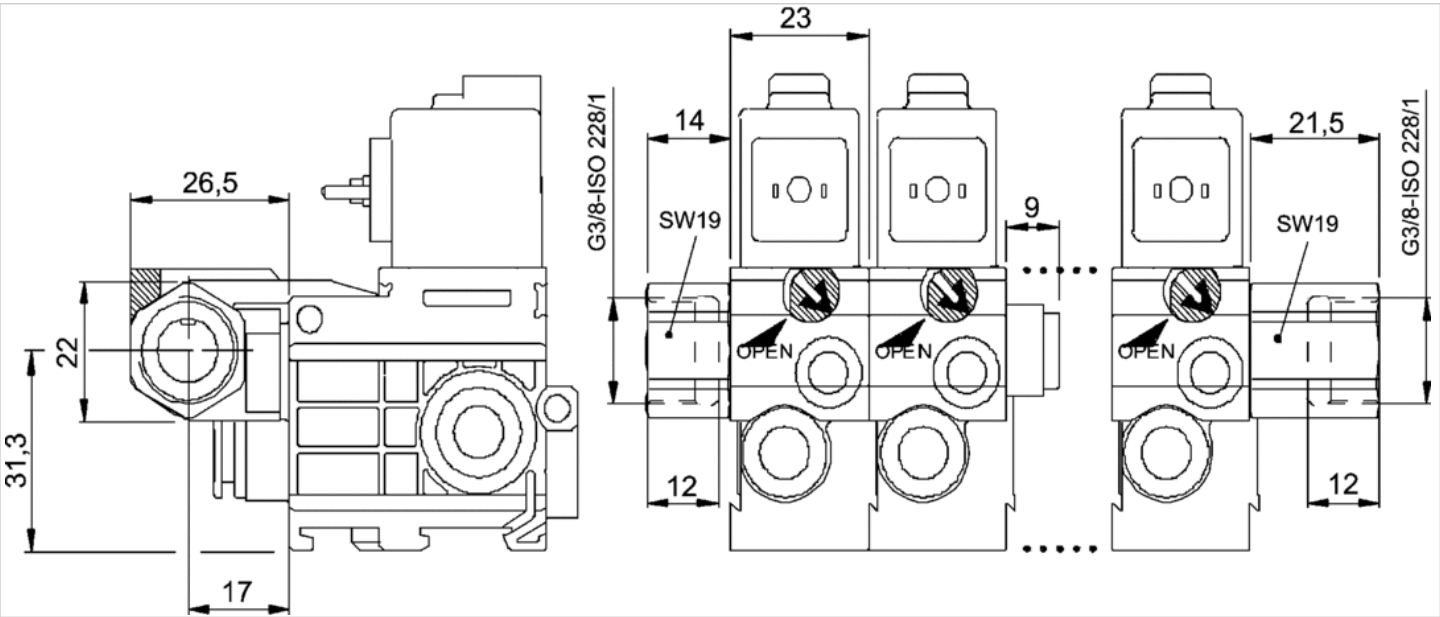
-15 ... 60 °C

Technical data

Part No.	Type
5790002202	Output module left side G 3/8
5790002212	Stacking module
5790002222	End module
5790002232	Output module left side 10x 1
5790002242	Output module right side G 3/8

Dimensions

Dimensions



Threaded pins



Technical data

Part No.	Version	Thread connection	Delivery quantity
8102060582	For mounting on the hat rail	M4	50 piece

Name plates



Technical data

Part No.	Type	Delivery unit
8943056312	1-10	5 piece
8943056322	11-20	5 piece