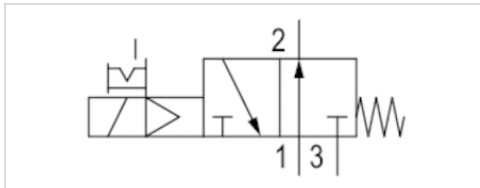






















3/2-directional valve, Series 579









- 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/m ³
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		Operationalvoltage
	Input	Output	
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		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	-

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 .

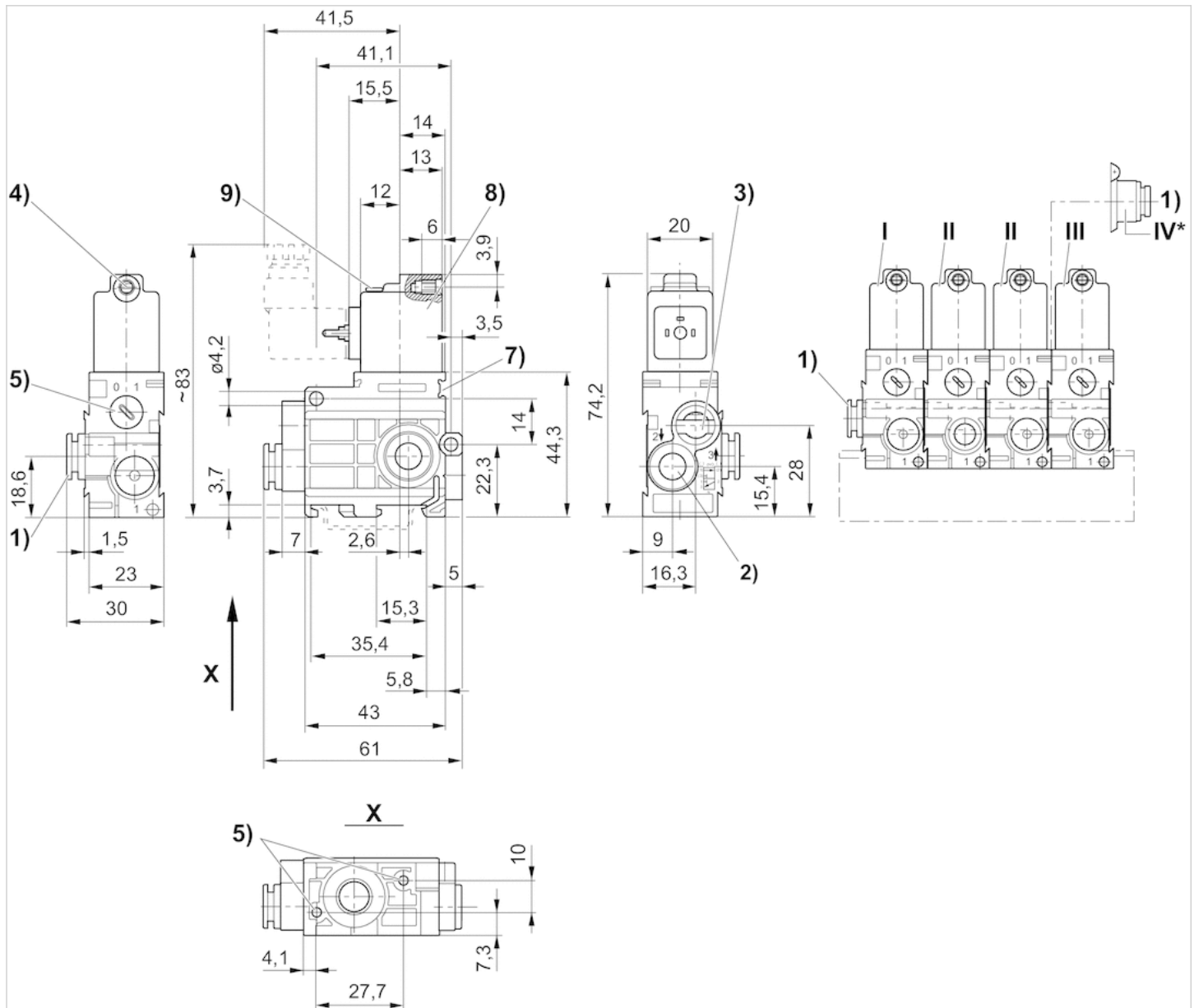
Versions with voltage of less than 50 V DC do not have a protective ground.

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