

Directional valves ▶ Electrically operated, according to standard

5/2-directional valve, Series CD01-PA

▶ Qn = 1010 l/min ▶ Pilot valve width: 26 mm ▶ plate connection ▶ compressed air connection output: base plate DIN ISO 15407-1 ▶ Electr. connection: Plug, EN 175301-803, form C ▶ Manual override: with detent, without detent, without ▶ double solenoid



P576_504

Standards	ISO 15407-1, 26 mm
Certificates	Free of substances that impair surface wetting in the coating process
Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Ambient temperature min./max.	See table below
Medium temperature min./max.	See table below
Medium	Compressed air
Max. particle size	50 μm
Oil content of compressed air	0 mg/m ³ - 5 mg/m ³
Pneumatic ports	base plate DIN ISO 15407-1
version pneumatic port	According to ISO 15407-1 With collective pilot air exhaust
Connector standard	EN 175301-803
Protection class with electrical connector/plug	IP65
Duty cycle	100 %
Switch-on time	17 ms
Switch-off time	17 ms
Mounting screw	M4 with hexagon socket
Mounting screw tightening torque	2.5 Nm
Materials:	
Housing	Polyamide; Polyoxymethylene
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks

- 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, see chapter „Technical information“.
- Versions with voltage of less than 50 V DC do not have a protective ground.

Operational voltage			Voltage tolerance		Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
					W	VA	VA	VA	VA
24 V	-	-	-10% / +10%	-	1.6	-	-	-	-
-	24 V	24 V	-	-10% / +15%	-	3	2.6	2.2	1.85
-	110 V	110 V	-	-10% / +15%	-	4.2	3.4	3	2.4
-	230 V	230 V	-	-10% / +15%	-	3.2	2.8	2.3	2
24 V	-	-	-10% / +10%	-	2.06	-	-	-	-

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	MO	Compressed air connection				Operational voltage			Power consumption	Part No.
		Output	Exhaust	Pilot connection		DC	AC 50 Hz	AC 60 Hz	DC	
									[W]	
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	24 V	-	-	1.6	5763520220
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	24 V	-	-	1.6	5763520620
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	-	24 V	24 V	-	5763525220
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	-	110 V	110 V	-	5763525270
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	-	110 V	110 V	-	5763525670
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	-	230 V	230 V	-	5763525280
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	24 V	-	-	1.6	5763650220
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	24 V	-	-	1.6	5763650620
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	-	110 V	110 V	-	5763655270
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	-	110 V	110 V	-	5763655670
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	-	230 V	230 V	-	5763655280
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	24 V	-	-	1.6	5763530220
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	24 V	-	-	1.6	5763530620
	-	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	24 V	-	-	2.06	5763530920
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	-	110 V	110 V	-	5763535270
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	-	110 V	110 V	-	5763535670

Part No.	Holding power		Switch-on power		Flow rate value			Working pressure min./max.	Control pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.
	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	Q _n	Q _n 1>2	Q _n 2>3				
	[VA]	[VA]	[VA]	[VA]	[l/min]			[bar]	[bar]	[°C]	[°C]
5763520220	-	-	-	-	1010	1010	1010	2 / 10	2 / 10	-15°C / +50°C	-15°C / +50°C
5763520620	-	-	-	-	1010	1010	1010	2 / 10	2 / 10	-15°C / +50°C	-15°C / +50°C

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

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Part No.	Hold- ing power	Hold- ing power	Switch- on power	Switch- on power	Flow rate value			Working pressure min./max.	Control pressure min./max.	Ambient tempera- ture min./ max.	Medium tempera- ture min./ max.
	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	Qn 1▶2	Qn 2▶3				
	[VA]	[VA]	[VA]	[VA]	[l/min]						
5763525220	2.2	1.85	3	2.6	1010	1010	1010	2 / 10	2 / 10	-15°C / +50°C	-15°C / +50°C
5763525270	3	2.4	4.2	3.4							
5763525670	3	2.4	4.2	3.4	1010	1010	1010	2 / 10	2 / 10	-15°C / +50°C	-15°C / +50°C
5763525280	2.3	2	3.2	2.8	1010	1010	1010	2 / 10	2 / 10	-15°C / +50°C	-15°C / +50°C
5763650220	-	-	-	-	1010	1010	1010	-0.95 / 16	2 / 10	-15°C / +50°C	-15°C / +50°C
5763650620	-	-	-	-	1010	1010	1010	-0.95 / 16	2 / 10	-15°C / +50°C	-15°C / +50°C
5763655270	3	2.4	4.2	3.4	1010	1010	1010	-0.95 / 16	2 / 10	-15°C / +50°C	-15°C / +50°C
5763655670	3	2.4	4.2	3.4	1010	1010	1010	-0.95 / 16	2 / 10	-15°C / +50°C	-15°C / +50°C
5763655280	2.3	2	3.2	2.8	1010	1010	1010	-0.95 / 16	2 / 10	-15°C / +50°C	-15°C / +50°C
5763530220	-	-	-	-	1010	1010	1010	2 / 10	2 / 10	-15°C / +50°C	-15°C / +50°C
5763530620	-	-	-	-	1010	1010	1010	2 / 10	2 / 10	-15°C / +50°C	-15°C / +50°C
5763530920	-	-	-	-	1010	1010	1010	2 / 16	2 / 10	+0°C / +50°C	+0°C / +50°C
5763535270	3	2.4	4.2	3.4	1010	1010	1010	2 / 10	2 / 10	-15°C / +50°C	-15°C / +50°C
5763535670	3	2.4	4.2	3.4	1010	1010	1010	2 / 10	2 / 10	-15°C / +50°C	-15°C / +50°C

Part No.	Weight	Note
	[kg]	
5763520220	0.26	1)
5763520620	0.26	1)
5763525220	0.26	1)
5763525270		
5763525670	0.26	1)
5763525280	0.26	1)
5763650220	0.26	2)
5763650620	0.26	2)
5763655270	0.26	2)
5763655670	0.26	2)
5763655280	0.26	2)
5763530220	0.26	1)
5763530620	0.26	1)
5763530920	0.26	1); 3)
5763535270	0.26	1)
5763535670	0.26	1)

1) Pilot: internal
 2) Pilot: external
 3) Low power consumption
 Nominal flow Qn at 6 bar and Δp = 1 bar
 MO = Manual override