

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
Control pressure min./max.	2 bar / 10 bar
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/m³ - 5 mg/m³
Nominal flow Qn	1010 l/min
Nominal flow 1 ► 2	1010 l/min
Nominal flow 2 ► 3	1010 l/min
Pneumatic ports	base plate DIN ISO 15407-1
Compressed air connection	According to ISO 15407-1 With collective pilot air exhaust
Connector standard	EN 175301-803
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	17 ms
Typ. switch-off time	17 ms
Mounting screw	M4 with hexagon socket
Mounting screw tightening torque	2.5 Nm
Weight	0.26 kg
Materials:	
Housing	Polyamide; Polyoxymethylene
Seals	Acrylonitrile butadiene rubber

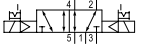
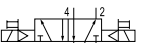
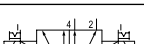
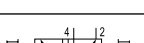
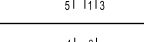
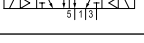
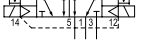
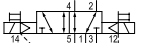
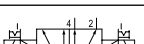
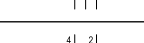
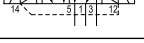
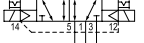
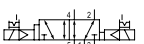
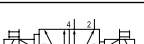
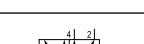
Technical Remarks

- 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				Operating voltage			Power consumption	Part No.
		Output	Exhaust	Pilot Input	Pilot Exhaust	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 110 V	24 V 110 V	-	5763525220 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	Holding power	Switch-on power	Switch-on power	Working pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.	Note
	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz				
	[VA]	[VA]	[VA]	[VA]	[bar]	[°C]	[°C]	
5763520220	-	-	-	-	2 / 10	-15°C / +50°C	-15°C / +50°C	1)
5763520620	-	-	-	-	2 / 10	-15°C / +50°C	-15°C / +50°C	1)

1) Pilot: internal

2) Pilot: external

3) Low power consumption

Nominal flow Q_n at 6 bar and Δp = 1 bar

MO = Manual override

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Part No.	Holding power	Holding power	Switch-on power	Switch-on power	Working pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.	Note
	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz				
	[VA]	[VA]	[VA]	[VA]	[bar]	[°C]	[°C]	
5763525220	2.2	1.85	3	2.6	2 / 10	-15°C / +50°C	-15°C / +50°C	1)
5763525270	3	2.4	4.2	3.4				
5763525670	3	2.4	4.2	3.4	2 / 10	-15°C / +50°C	-15°C / +50°C	1)
5763525280	2.3	2	3.2	2.8	2 / 10	-15°C / +50°C	-15°C / +50°C	1)
5763650220	-	-	-	-	-0.95 / 16	-15°C / +50°C	-15°C / +50°C	2)
5763650620	-	-	-	-	-0.95 / 16	-15°C / +50°C	-15°C / +50°C	2)
5763655270	3	2.4	4.2	3.4	-0.95 / 16	-15°C / +50°C	-15°C / +50°C	2)
5763655670	3	2.4	4.2	3.4	-0.95 / 16	-15°C / +50°C	-15°C / +50°C	2)
5763655280	2.3	2	3.2	2.8	-0.95 / 16	-15°C / +50°C	-15°C / +50°C	2)
5763530220	-	-	-	-	2 / 10	-15°C / +50°C	-15°C / +50°C	1)
5763530620	-	-	-	-	2 / 10	-15°C / +50°C	-15°C / +50°C	1)
5763530920	-	-	-	-	2 / 16	+0°C / +50°C	+0°C / +50°C	1); 3)
5763535270	3	2.4	4.2	3.4	2 / 10	-15°C / +50°C	-15°C / +50°C	1)
5763535670	3	2.4	4.2	3.4	2 / 10	-15°C / +50°C	-15°C / +50°C	1)

1) Pilot: internal

2) Pilot: external

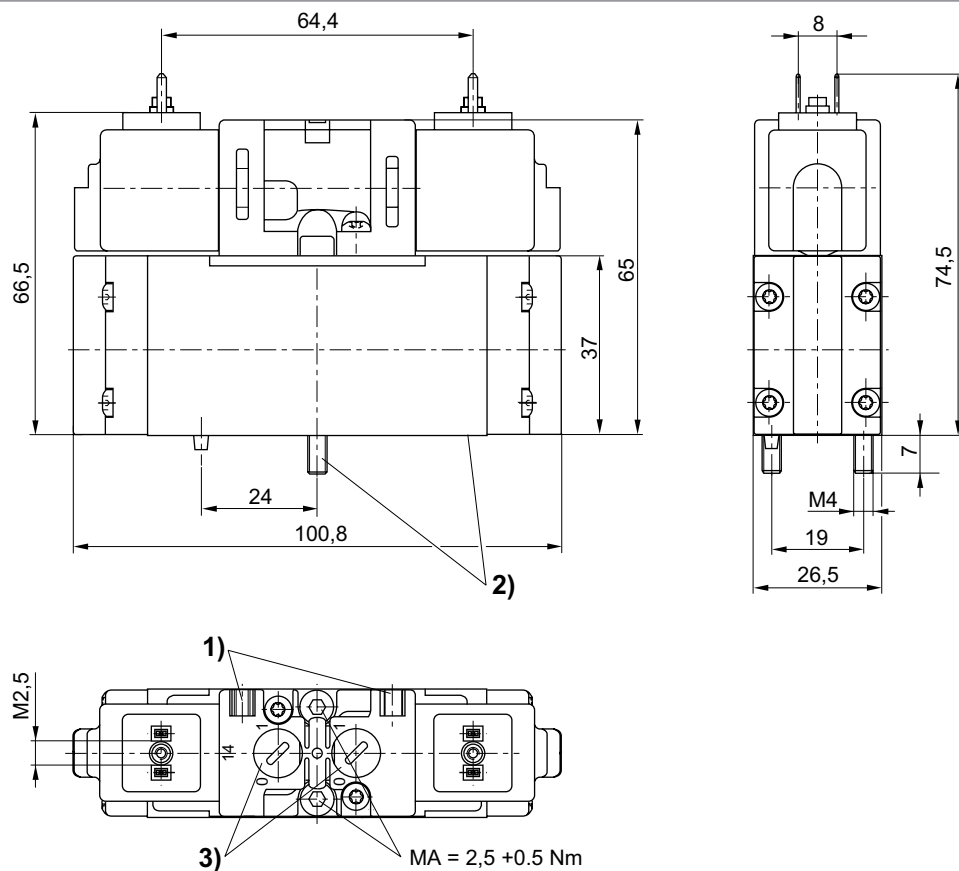
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Dimensions


1) mounting space for name plate 2) screws and seals captive 3) manual override

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