

Directional valves ► Electrically operated, according to standard

5/3-directional valve, Series CD01-PA

► Qn = 650 - 750 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



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.	See table below
Ambient temperature min./max.	-15 °C / +50 °C
Medium temperature min./max.	-15 °C / +50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Nominal flow 1 ► 2	See table below
Nominal flow 2 ► 3	See table below
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, form C
Protection class with connection	IP65
Duty cycle	100 %
Mounting screw	M4 with hexagon socket
Mounting screw tightening torque	2.5 Nm
Weight	0.27 kg
Materials:	
Housing	Polyamide; Polyoxymethylene
Seals	Acrylonitrile butadiene rubber

Technical Remarks

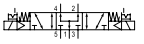
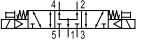
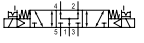
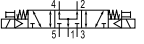
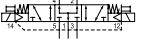
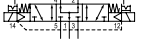
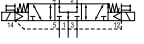
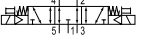
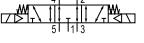
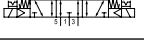
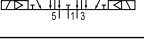
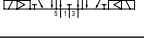
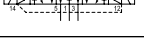
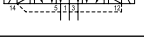
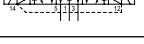
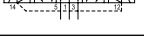
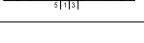
- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- 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	-	-	-10% / +10%	-	2.06	-	-	-	-
-	110 V	110 V	-	-10% / +15%	-	4.2	3.4	3	2.4
-	24 V	24 V	-	-10% / +15%	-	3	2.6	2.2	1.85
-	230 V	230 V	-	-10% / +15%	-	3.2	2.8	2.3	2
12 V	-	-	-10% / +10%	-	1.6	-	-	-	-

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5/3-directional valve, Series CD01-PA

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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	5763800220
		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	5763800620
	-	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	5763800920
		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	-	5763805270
		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	-	5763805670
		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	5763850220
		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	5763850620
		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	-	5763855270
		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	-	5763855670
		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	5763810220
		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	5763810620
	-	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	5763810920
		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	-	5763815220 5763815270
		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	-	5763815670
		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	-	5763815280
		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	5763860220
		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	5763860620
		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	-	5763865270
		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	-	5763865670
		base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	12 V 24 V	-	-	1.6	5763820210 5763820220

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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	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	5763820620
		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	-	5763825270
		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	-	5763825670
		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	-	5763825280
		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	5763870220
		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	5763870620
		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	-	5763875270
		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	-	5763875670

Part No.	Holding power	Holding power	Switch-on power	Switch-on power	Flow rate value			Working pressure min./max.	Control pressure min./max.	Switch-on time	Switch-off time
	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]			[bar]	[bar]	[ms]	[ms]
5763800220	-	-	-	-	-	750	650	3 / 10	3 / 10	27	55
5763800620	-	-	-	-	-	750	650	3 / 10	3 / 10	27	55
5763800920	-	-	-	-	-	750	650	3 / 16	3 / 16	27	55
5763805270	3	2.4	4.2	3.4	-	750	650	3 / 10	3 / 10	27	55
5763805670	3	2.4	4.2	3.4	-	750	650	3 / 10	3 / 10	27	55
5763850220	-	-	-	-	-	750	650	-0.95 / 16	3 / 10	27	55
5763850620	-	-	-	-	-	750	650	-0.95 / 16	3 / 10	27	55
5763855270	3	2.4	4.2	3.4	-	750	650	-0.95 / 16	3 / 10	27	55
5763855670	3	2.4	4.2	3.4	-	750	650	-0.95 / 16	3 / 10	27	55
5763810220	-	-	-	-	-	650	750	3 / 10	3 / 10	24	58
5763810620	-	-	-	-	-	650	750	3 / 10	3 / 10	24	58
5763810920	-	-	-	-	-	650	750	3 / 16	3 / 16	24	58
5763815220	2.2	1.85	3	2.6	-	650	750	3 / 10	3 / 10	24	58
5763815270	3	2.4	4.2	3.4	-	650	750	3 / 10	3 / 10	24	58
5763815670	3	2.4	4.2	3.4	-	650	750	3 / 10	3 / 10	24	58
5763815280	2.3	2	3.2	2.8	-	650	750	3 / 10	3 / 10	24	58
5763860220	-	-	-	-	-	650	750	-0.95 / 16	3 / 10	24	58
5763860620	-	-	-	-	-	650	750	-0.95 / 16	3 / 10	24	58
5763865270	3	2.4	4.2	3.4	-	650	750	-0.95 / 16	3 / 10	24	58
5763865670	3	2.4	4.2	3.4	-	650	750	-0.95 / 16	3 / 10	24	58
5763820210	-	-	-	-	650	650	650	3 / 10	3 / 10	24	49
5763820220	-	-	-	-	650	650	650	3 / 10	3 / 10	24	49
5763820620	-	-	-	-	650	650	650	3 / 10	3 / 10	24	49
5763825270	3	2.4	4.2	3.4	650	650	650	3 / 10	3 / 10	24	49
5763825670	3	2.4	4.2	3.4	650	650	650	3 / 10	3 / 10	24	49

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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.	Switch-on time	Switch-off time
	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]			[bar]	[bar]	[ms]	[ms]
5763825280	2.3	2	3.2	2.8	650	650	650	3 / 10	3 / 10	24	49
5763870220	-	-	-	-	650	650	650	-0.95 / 16	3 / 10	24	49
5763870620	-	-	-	-	650	650	650	-0.95 / 16	3 / 10	24	49
5763875270	3	2.4	4.2	3.4	650	650	650	-0.95 / 16	3 / 10	24	49
5763875670	3	2.4	4.2	3.4	650	650	650	-0.95 / 16	3 / 10	24	49

Part No.	Note
5763800220	1)
5763800620	1)
5763800920	1); 3)
5763805270	1)
5763805670	1)
5763850220	2)
5763850620	2)
5763855270	2)
5763855670	2)
5763810220	1)
5763810620	1)
5763810920	1); 3)
5763815220	1)
5763815270	1)
5763815670	1)
5763815280	1)
5763860220	2)
5763860620	2)
5763865270	2)
5763865670	2)
5763820210	1)
5763820220	1)
5763820620	1)
5763825270	1)
5763825670	1)
5763825280	1)
5763870220	2)
5763870620	2)
5763875270	2)
5763875670	2)

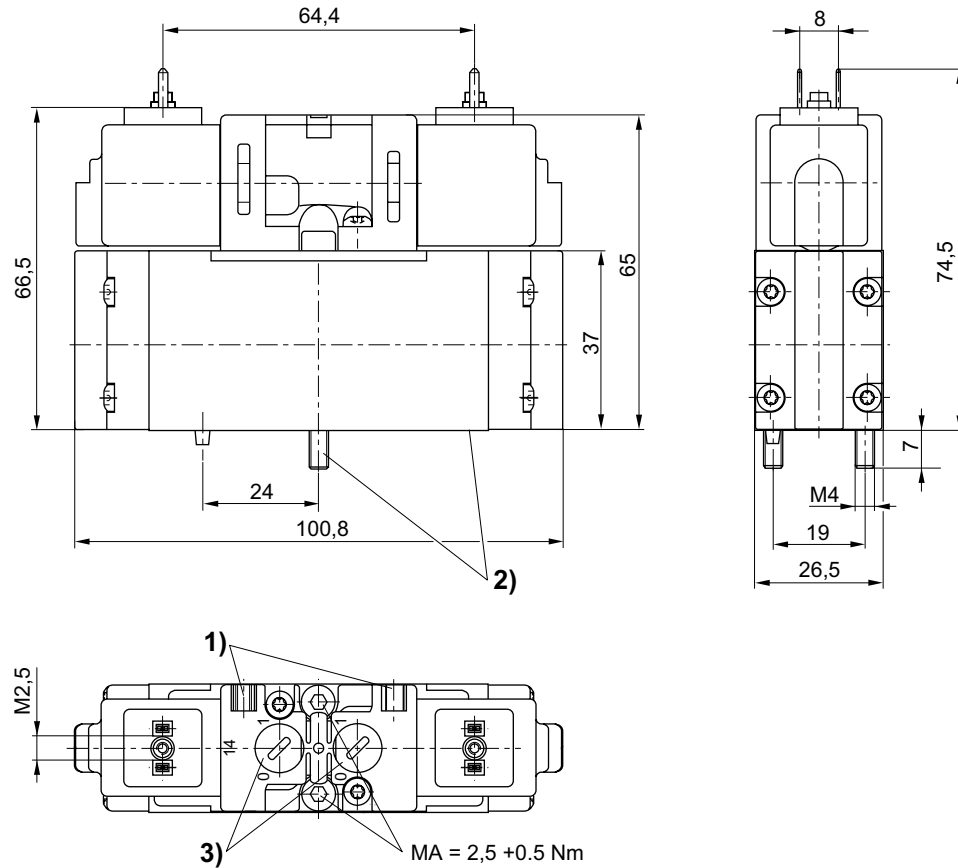
1) Pilot: internal
2) Pilot: external
3) Low power consumption
Nominal flow Qn at 6 bar and $\Delta p = 1$ bar
MO = Manual override

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5/3-directional valve, Series CD01-PA

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Dimensions



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

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