

Directional valves ► Pneumatically operated, according to standard

5/2-directional valve, CD01-PA

- Qn = 1010 l/min ► plate connection ► Compressed air connection output: base plate DIN ISO 15407-1
- suitable for ATEX



P571_400

Standards	ISO 15407-1
ATEX	3 G
Version	Spool valve, zero overlap
Sealing principle	Soft sealing
Certificates	Free of substances that impair surface wetting in the coating process
Working pressure min./max.	-0.95 bar / 16 bar
Control 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/m³ - 5 mg/m³
Compressed air connection	According to ISO 15407-1
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“.

	Compressed air connection				Flow rate value			Control pressure min./max.	Ambient temperature min./max.	Medium temperature min./max.	Part No.
	Input	Output	Exhaust	Pilot control exhaust	1►2	2►3					
					[l/min]			[bar]	[°C]	[°C]	
	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	1010	1010	1010	-- / 16	-15 °C / +50 °C	-15 °C / +50 °C	5714003500
	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	1010	1010	1010	2 / 16	-15 °C / +50 °C	-15 °C / +50 °C	5714003520
	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	1010	1010	1010	2 / 16	+0 °C / +50 °C	+0 °C / +50 °C	5714003530

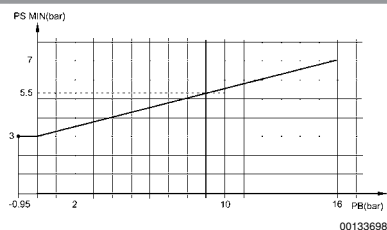
Part No.	Weight	Note
	[kg]	
5714003500	0.16	1)
5714003520	0.16	-
5714003530	0.16	2)

- 1) See diagram
2) With differential piston, Signal 14 has priority
Nominal flow Qn at 6 bar and Δp = 1 bar

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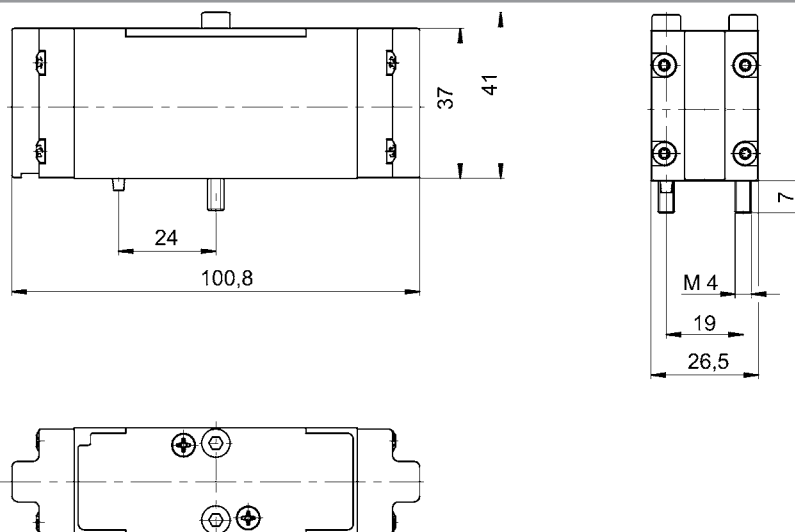
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Diagram, Control pressure



P_B = Working pressure
PS = control pressure

Dimensions



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