Valve systems → Supplementary products

5/3-way valve, Series CD20-PI

► Qn = 2100 - 2200 l/min ► pressurized center ► plate connection ► compressed air connection output: Base plate DIN ISO 5599 size 2 ► Electr. connection: Plug, ISO 5599-2 ► Pilot: pressurized center ► Manual override: without detent, with detent ► double solenoid

00133631

Standards	ISO 5599-2
Version	Spool valve
Sealing principle	soft sealing
Blocking principle	Single base plate principle
Working pressure min./max.	0 bar / 10 bar
Ambient temperature min./max.	-20°C / +50°C
Medium temperature min./max.	+0°C / +50°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Pneumatic ports	Base plate DIN ISO 5599 size 2
version pneumatic port	according to ISO 5599
Connector standard	ISO 5599-2
Protection classwith electrical connector/ plug	IP 65
Protection class according to NEMA	NEMA 4
Protective circuit	Z-diode Protected against polarity reversal
Status display LED	Green
Duty cycle	100 %
Switch-on time	28 ms
Switch-off time	65 ms
Mounting screw	with hexagon socket
mounting screw tightening torque	4 Nm
Materials:	
Housing	Aluminum; Polyamide, fiber-glass reinforced
Seals	Acrylonitrile Butadiene Rubber

Technical Remarks
■ 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 Bosch Rexroth, see chapter „Technical information“.

Operating voltage	Voltage tolerance	Power consumption
DC	DC	DC
		W
24 V	-10% / +10%	2

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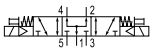
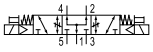
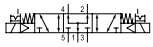
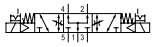
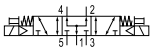
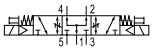
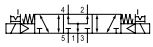
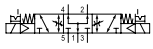
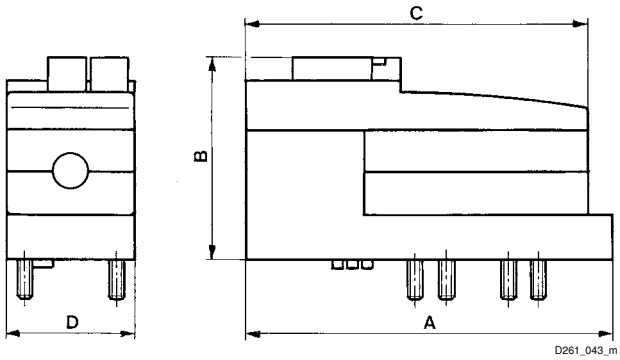
	MO	Operating voltage	Nominal resistance	Qn		Control pressure min./max.	Weight	Note	Part No.
		DC			1►2				
			[Ω]	[l/min]		[bar]	[kg]		
		24 V	288	2100	2200	2.7 / 10	0.59	1)	2612081500
		24 V	288	2100	2200	2.7 / 10	0.59	1); 3)	2612081510
		24 V	288	2100	2200	2.7 / 10	0.59	1)	2612081520
		24 V	288	2100	2200	2.7 / 10	0.59	1); 3)	2612081530
		24 V	288	2100	2200	2.7 / 10	0.59	2)	2612091500
		24 V	288	2100	2200	2.7 / 10	0.59	2); 3)	2612091510
		24 V	288	2100	2200	2.7 / 10	0.59	2)	2612091520
		24 V	288	2100	2200	2.7 / 10	0.59	2); 3)	2612091530

MO = Manual override
For polymer base plates only valves with external pilot can be used
1) Pilot: internal
2) Pilot: external
3) With flow control
Nominal flow Qn at 6 bar and Δp = 1 bar

Dimensions



A	B	C	D											
143	78.5	135	50											