Directional valves → Supplementary products

5/3-way valve, Series CD02-AL

► Qn = 250 - 400 l/min ► plate connection ► compressed air connection output: VDMA 02 base plate ► Electr. connection: Plug, ISO 15217, form C ► Can be assembled into blocks ► Manual override: without detent

00108705

Standards	ISO 15407-1, 18 mm
Version	Spool valve, zero overlap
Sealing principle	soft sealing
Blocking principle	Base plate principle, multiple
Working pressure min./max.	2.2 bar / 10 bar
Ambient temperature min./max.	+0°C / +50°C
Medium temperature min./max.	+0°C / +60°C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Pneumatic ports	VDMA 02 base plate
Connector standard	ISO 15217:2000
Protection classwith electrical connector/ plug	IP 65
Duty cycle	100 %
Mounting screw	M3
Materials:	
Housing	Aluminum, anodized
Seals	Acrylonitrile Butadiene Rubber; Hydrogenated acrylonitrile butadiene rubber
Front plate	Polyamide

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	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
						W	VA	VA	VA	VA
-	24 V	24 V	-	-10% / +10%	-10% / +10%	-	2.2	2	1.6	1.4
24 V	-	-	-10% / +10%	-	-	2	-	-	-	-
24 V	-	-	-10% / +10%	-	-	1	-	-	-	-
-	110 V	110 V	-	-10% / +10%	-10% / +10%	-	2.2	2	1.6	1.4
-	230 V	230 V	-	-10% / +10%	-10% / +10%	-	2.2	2	1.6	1.4

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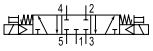
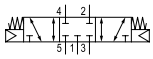
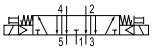
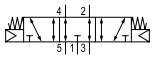
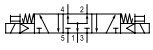
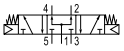
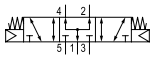
	MO	Operating voltage			Qn	Control pressure min./max.	Switch-on time	Switch-off time	Weight	Note	Part No.
		DC	AC 50 Hz	AC 60 Hz							
					[l/min]	[bar]	[ms]	[ms]	[kg]		
		-	24 V	24 V			9	20		2)	0820039218
		24 V	-	-			9	20		2)	**0820039216**
		24 V	-	-	400	2.2 / 10	11	23	0.17	1); 2)	**0820039217**
		-	110 V	110 V			9	20		2)	0820039219
		-	230 V	230 V			9	20		2)	0820039215
	-	-	-	-	400	2.2 / 10	-	-	0.17	3); 4)	**0820039943**
		-	24 V	24 V			9	20		2)	0820039233
		24 V	-	-			9	20		2)	**0820039231**
		24 V	-	-	250	2.2 / 10	11	23	0.17	1); 2)	0820039232
		-	110 V	110 V			9	20		2)	0820039234
		-	230 V	230 V			9	20		2)	0820039230
	-	-	-	-	250	2.2 / 10	-	-	0.11	2); 4)	0820039934
	-	-	-	-	250	2.2 / 10	-	-	0.17	3); 4)	**0820039944**
		-	24 V	24 V			9	20		2)	0820039263
		24 V	-	-			9	20		2)	**0820039261**
		24 V	-	-	250	2.2 / 10	11	23	0.17	1); 2)	0820039262
		-	110 V	110 V			9	20		2)	0820039264
		-	230 V	230 V			9	20		2)	0820039260
	-	-	-	-	250	2.2 / 10	-	-	0.11	2); 4)	0820039935
	-	-	-	-	250	2.2 / 10	-	-	0.17	3); 4)	0820039945

MO = Manual override
1) Low power consumption
2) Pilot: internal
3) Pilot: external
4) Basic valve without pilot valve
Nominal flow Qn at 6 bar and Δp = 1 bar

Directional valves → Supplementary products

5/3-way valve, Series CD02-AL

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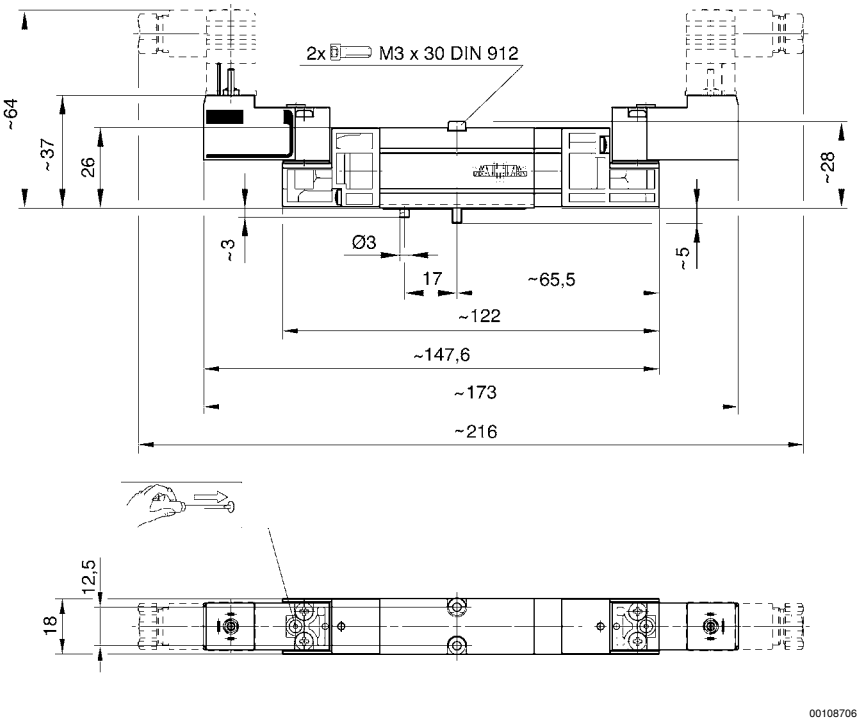
Dimensions