Directional valves → Supplementary products

5/3-way valve, Series WV02

► Qn = 250 - 400 l/min ► pipe connection ► compressed air connection output: G 1/8 ► Electr. connection: Plug, ISO 15217, form C ► Manual override: without detent

00108703

Version	Spool valve, zero overlap
Pilot	internal
Sealing principle	soft sealing
Mounting on manifold strip	PRS strip
Working pressure min./max.	2.2 bar / 10 bar
Control 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
Connector standard	ISO 15217:2000
Degree of protectionwith electrical connector/plug	IP 65
Duty cycle	100 %
Mounting screw	M3
Weight	See table below
Materials:	
Housing	Aluminum, anodized
Front plate	Polyamide
Threaded bushing	Aluminum

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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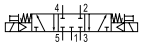
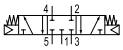
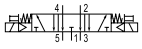
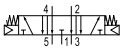
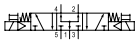
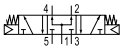
	MO	Compressed air connection		Operating voltage			Holding power	Holding power	Switch-on power	Switch-on power	Flow rate value	Part No.
		Input	Output	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn	
											[l/min]	
		G 1/8	G 1/8	-	24 V	24 V	1.6	1.4	2.2	2	400	0820039018
				24 V	-	-	-	-	-	-		**0820039016**
				24 V	-	-	-	-	-	-		**0820039017**
				-	110 V	110 V	1.6	1.4	2.2	2		0820039019
				-	230 V	230 V	1.6	1.4	2.2	2		0820039015
	-	G 1/8	G 1/8	-	-	-	-	-	-	-	400	0820039983
		G 1/8	G 1/8	-	24 V	24 V	1.6	1.4	2.2	2	250	0820039033
				24 V	-	-	-	-	-	-		**0820039031**
				24 V	-	-	-	-	-	-		0820039032
				-	110 V	110 V	1.6	1.4	2.2	2		0820039034
				-	230 V	230 V	1.6	1.4	2.2	2		0820039030
	-	G 1/8	G 1/8	-	-	-	-	-	-	-	250	0820039984
		G 1/8	G 1/8	-	24 V	24 V	1.6	1.4	2.2	2	250	0820039063
				24 V	-	-	-	-	-	-		0820039061
				24 V	-	-	-	-	-	-		0820039062
				-	110 V	110 V	1.6	1.4	2.2	2		0820039064
				-	230 V	230 V	1.6	1.4	2.2	2		0820039060
	-	G 1/8	G 1/8	-	-	-	-	-	-	-	250	0820039985

Part No.	Switch-on time	Switch-off time	Weight	Note
	[ms]	[ms]	[kg]	
0820039018	9	20		3)
0820039016	9	20		3)
0820039017	11	23	0.17	1); 3)
0820039019	9	20		3)
0820039015	9	20		3)
0820039983	-	-	0.11	2); 4)
0820039033	9	20		3)
0820039031	9	20		3)
0820039032	11	23	0.17	1); 3)
0820039034	9	20		3)
0820039030	9	20		3)
0820039984	-	-	0.11	2); 4)
0820039063	9	20		3)
0820039061	9	20		3)
0820039062	11	23	0.17	1); 3)
0820039064	9	20		3)
0820039060	9	20		3)
0820039985	-	-	0.11	2); 4)

1) Low power consumption
2) Basic valve without coil
3) Seals: Hydrogenated acrylonitrile butadiene rubber
4) Seals: Acrylonitrile Butadiene Rubber

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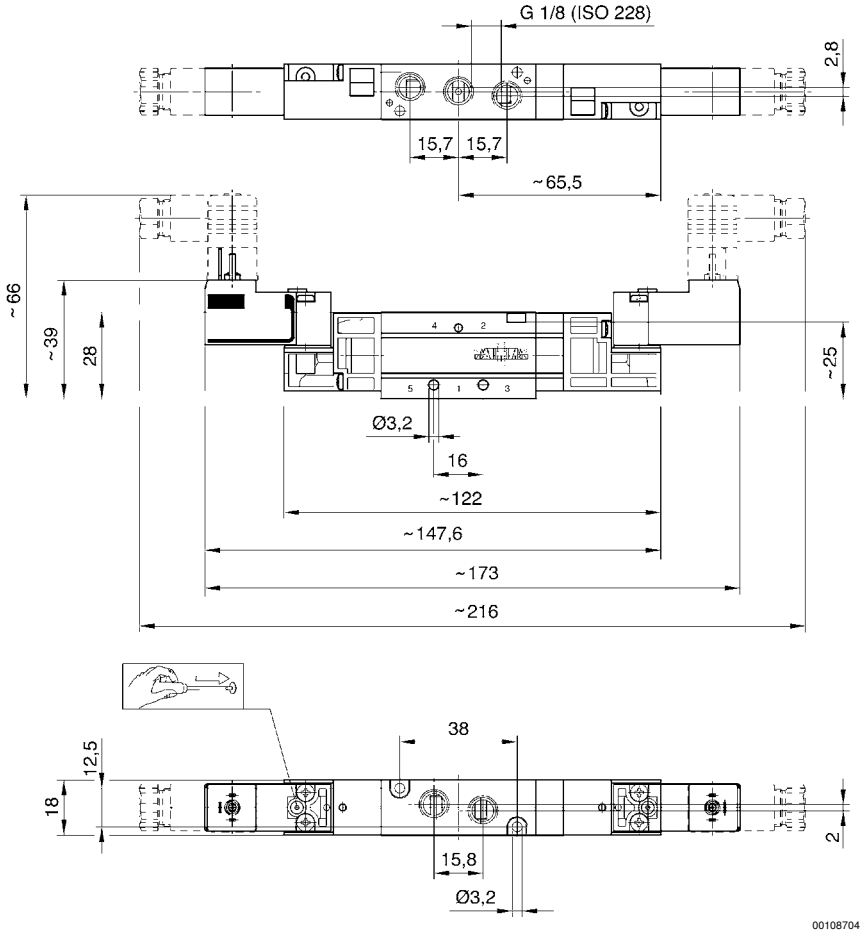
Dimensions