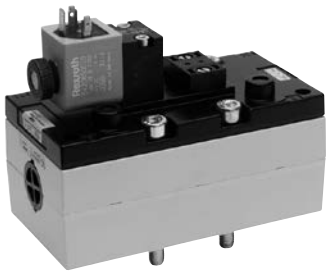
Valve systems → Supplementary products

5/2-way valve, Series 581, size 4

► Qn = 6000 l/min ► plate connection ► Pilot valve width: 30x22 mm CNOMO ► compressed air connection output: Base plate ISO 5599-1 ► Electr. connection: Plug, ISO 4400, form A ► Manual override: without



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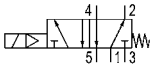
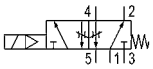
Standards	ISO 5599-1
Version	Spool valve
Sealing principle	soft sealing
Blocking principle	Single base plate principle
Working pressure min./max.	See table below
Ambient temperature min./max.	-15°C / +50°C
Medium temperature min./max.	-15°C / +50°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Pneumatic ports	Base plate ISO 5599-1
Protection classwith electrical connector/ plug	IP 65
Duty cycle	100 %
Switch-on time	33 ms
Switch-off time	77 ms
Mounting screw	with hexagon socket
mounting screw tightening torque	10 Nm
Materials:	
Housing	Aluminum
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 air pressure 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	DC	AC 50 Hz	DC	AC 50 Hz	AC 50 Hz
				W	VA	VA
24 V	-	-10% / +10%	-10% / +10%	6.7	-	-
-	230 V	-	-10% / +10%	-	15.2	10.8

	Operating voltage		Flow con-ductance	Qn	Working pressure min./max.	Control pressure min./max.	Weight	Note	Part No.
	DC	AC 50 Hz	C						
			[l/(s*bar)]	[l/min]	[bar]	[bar]	[kg]		
	24 V -	- 230 V	24.5	6000	3 / 16	3 / 16	1.4	1)	5814170530 5814170430
	24 V -	- 230 V	24.5	6000	3 / 16	3 / 16	1.4	1); 3)	5814171530 5814171430

1) Pilot: internal
2) Pilot: external
3) with throttle
Nominal flow Qn at 6 bar and Δp = 1 bar

Supplementary products
Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information
Pneumatics catalog, online PDF, as of 2013-02-15, © Bosch Rexroth AG, subject to change

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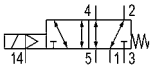
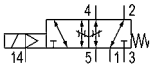
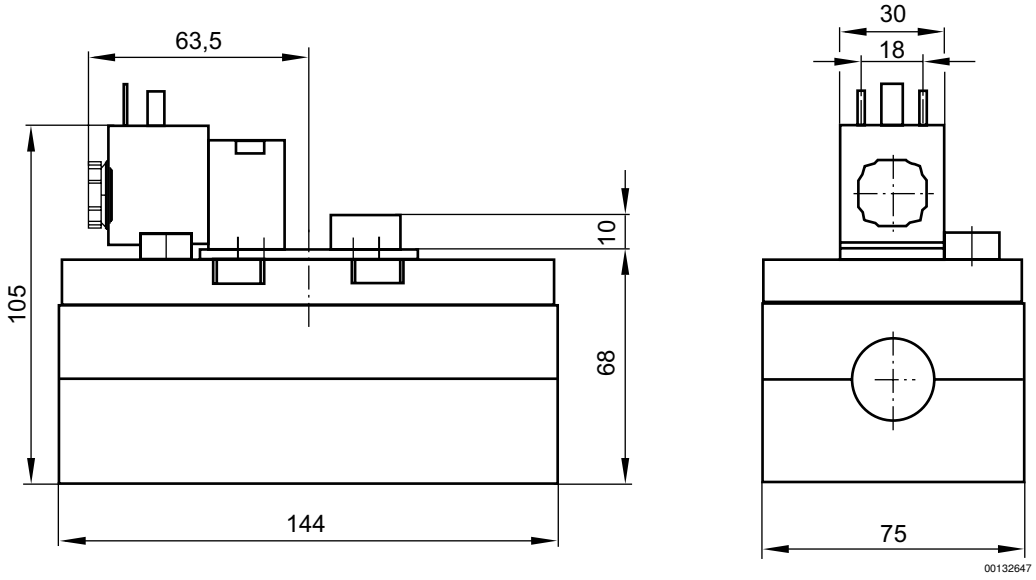
	Operating voltage		Flow conductance	Qn	Working pressure min./max.	Control pressure min./max.	Weight	Note	Part No.
	DC	AC 50 Hz	C						
			[l/(s*bar)]	[l/min]	[bar]	[bar]	[kg]		
	24 V -	- 230 V	24.5	6000	-0.95 / 16	3 / 16	1.4	2)	5814172530 5814172430
	24 V -	- 230 V	24.5	6000	-0.95 / 16	3 / 16	1.4	2); 3)	5814173530 5814173430

1) Pilot: internal
2) Pilot: external
3) with throttle
Nominal flow Qn at 6 bar and Δp = 1 bar

Dimensions