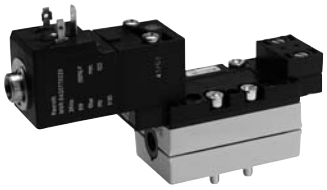
Valve systems → Supplementary products

5/2-way valve, Series 581, size 1

► Qn = 1400 l/min ► plate connection ► Pilot valve width: 30x30 mm CNOMO ► compressed air connection output: Base plate ISO 5599-1 ► Electr. connection: Plug, ISO 4400, form A ► Manual override: without detent



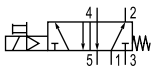
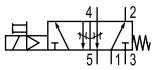
00132159

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	15 ms
Switch-off time	28 ms
Mounting screw	with hexagon socket
mounting screw tightening torque	2 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
DC	DC	DC
		W
24 V	-10% / +10%	6

	MO	Operating voltage	Flow con-ductance	Qn	Working pressure min./max.	Control pressure min./max.	Weight	Note	Part No.
		DC	C						
			[l/(s*bar)]	[l/min]	[bar]	[bar]	[kg]		
		24 V	5.2	1400	3 / 10	3 / 10	0.39	1)	5811170190
		24 V	5.2	1400	3 / 10	3 / 10	0.39	1); 3)	5811171190

MO = Manual override
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 2012-11-21, © Bosch Rexroth AG, subject to change

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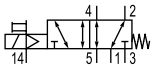
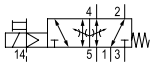
			[l/(s*bar)]	[l/min]	[bar]	[bar]	[kg]		
		24 V	5.2	1400	-0.95 / 10	3 / 10	0.39	2)	5811172190
		24 V	5.2	1400	-0.95 / 10	3 / 10	0.39	2); 3)	5811173190

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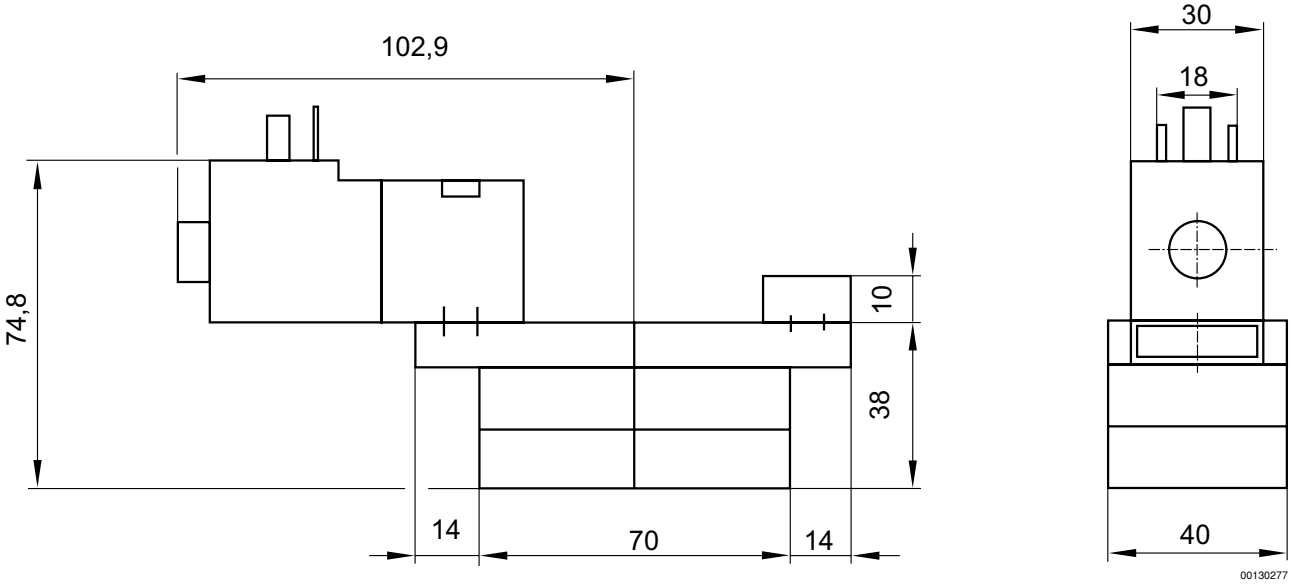
Nominal flow Qn at 6 bar and Δp = 1 bar

Dimensions