Series 521





Series 521

The AVENTICS Series 521 is a line of solenoid air-operated, mini-spool valves that are ideal for piloting pneumatic cylinders. The valves have high-quality coils resistant to heat and moisture and suitable for high ambient temperatures and harsh environments. They can be mounted on joinable subbases for manifold applications. The AVENTICS Series 521 valves are suitable for automotive, case packing, packaging, and tire manufacturing applications.

- Anodised aluminium G1/4-tapped body with NBR seals for extended service life
- Non-breathing construction where the spring return chambers of the single- or double-acting actuator are collected with the solenoid valve exhaust
- Handles lubricated or non-lubricated air or neutral gas
- Ambient temperature range 5° C to 50° C
- Satisfies all relevant EU Directives





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5/2-directional valve, Series 521

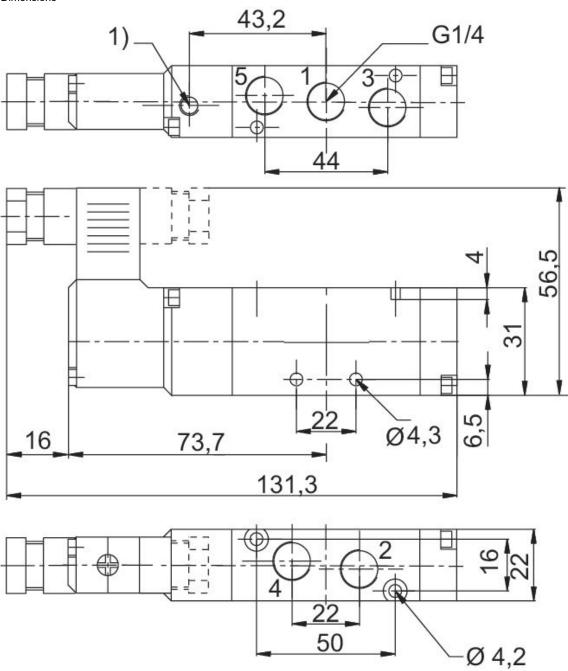
1050 I/min Single Solenoid Plug EN 175301-803, form C Internal thread Electrically



Manual override	Switching principle	Operational voltage	Pilot	Power con- sumption DC [W]	Part No.
without detent	5/2, with spring return	24 V DC	Internal	1.6	52100401



Dimensions





5/2-directional valve, Series 521

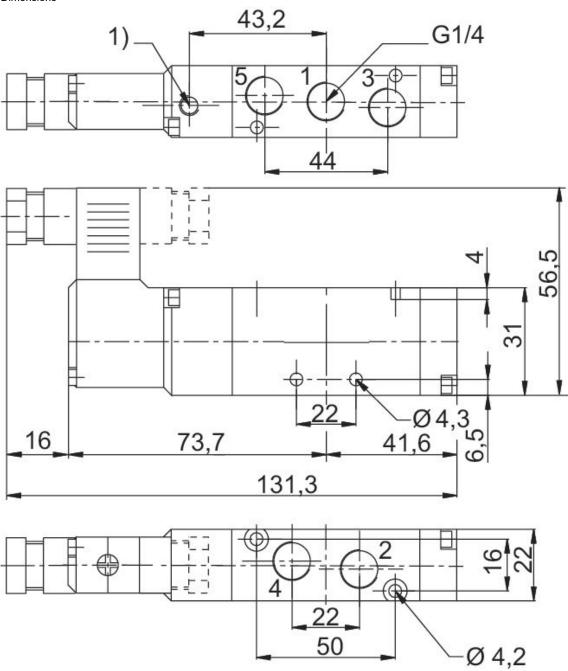
1050 I/min Single Solenoid Plug EN 175301-803, form C Internal thread Electrically



Manual override	Switching principle	Operational voltage	Pilot	Power con- sumption DC [W]	Part No.
without detent	5/2, with air spring return	24 V AC	Internal		52100002
without detent	5/2, with air spring return	110 V AC	Internal		52100003
without detent	5/2, with air spring re- turn	230 V AC	Internal		52100004
without detent	5/2, with air spring re- turn	24 V DC	Internal	1.6	52100001



Dimensions





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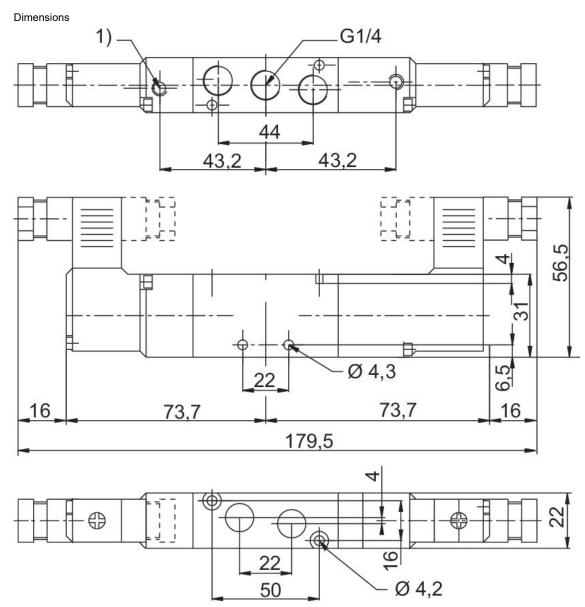
5/2-directional valve, Series 521

1050 I/min Double Solenoid Plug EN 175301-803, form C Internal thread Electrically



Manual override	Switching principle	Operational voltage	Pilot	Power con- sumption DC [W]	Part No.
without detent	5/2, double solenoid	24 V AC	Internal		52100006
without detent	5/2, double solenoid	110 V AC	Internal		52100007
without detent	5/2, double solenoid	230 V AC	Internal		52100008
without detent	5/2, double solenoid	24 V DC	Internal	1.6	52100005







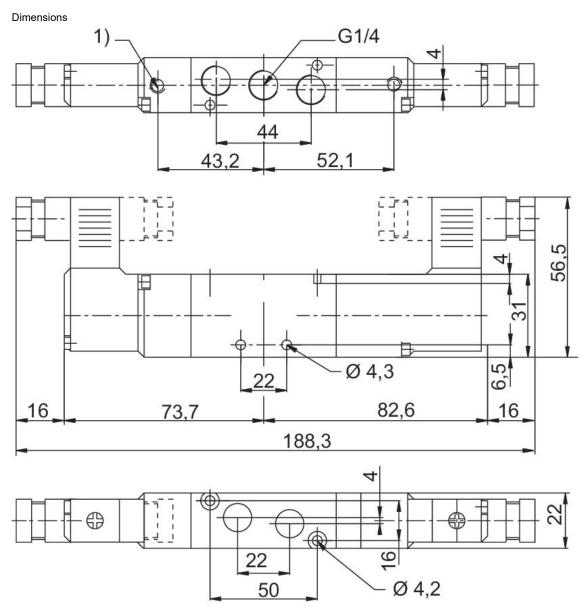
5/3-directional valve, Series 521

1050 l/min Plug EN 175301-803, form C Internal thread Electrically



Manual override	Valve function	Switching principle	Operational voltage	Pilot	Power con- sumption DC [W]	Part No.
without detent	Closed Center	5/3, closed center	24 V AC	Internal		52100010
without detent	Closed Center	5/3, closed center	110 V AC	Internal		52100011
without detent	Closed Center	5/3, closed center	230 V AC	Internal		52100012
without detent	Closed Center	5/3, closed center	24 V DC	Internal	1.6	52100009
without detent	Pressurized Center	5/3, pressurized center	24 V AC	Internal		52100126
without detent	Pressurized Center	5/3, pressurized center	110 V AC	Internal		52100127
without detent	Pressurized Center	5/3, pressurized center	230 V AC	Internal		52100128
without detent	Pressurized Center	5/3, pressurized center	24 V DC	Internal	1.6	52100129
without detent	Exhausted Center	5/3, exhausted center	24 V AC	Internal		52100087
without detent	Exhausted Center	5/3, exhausted center	110 V AC	Internal		52100088
without detent	Exhausted Center	5/3, exhausted center	230 V AC	Internal		52100089
without detent	Exhausted Center	5/3, exhausted center	24 V DC	Internal	1.6	52100090







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5/2-directional valve, Series 521

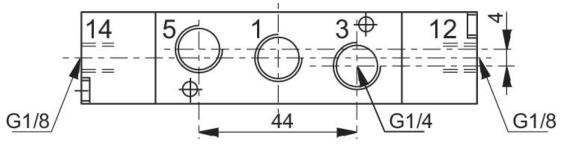
1050 l/min Internal thread Pneumatically

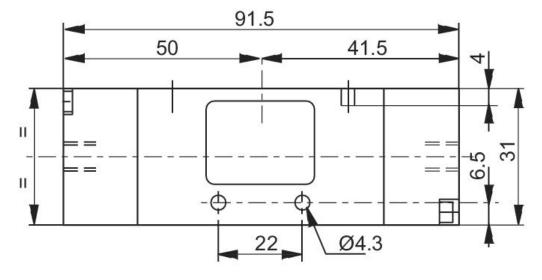


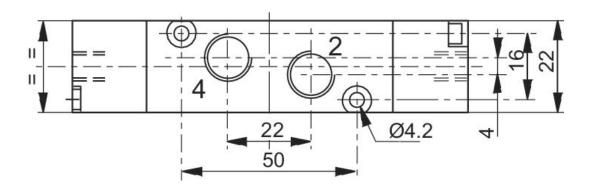
Compressed air connection input	Compressed air connection output	Min. control pressure [bar]	Max. control pressure [bar]	Pilot	Part No.
G 1/4	G 1/4	1.5	8	External	52100077













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5/2-directional valve, Series 521

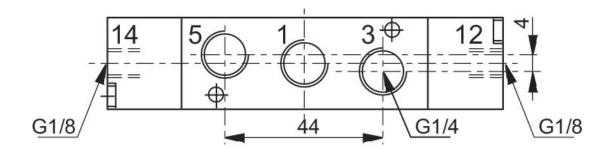
1050 l/min Double Air Pilot Internal thread Pneumatically

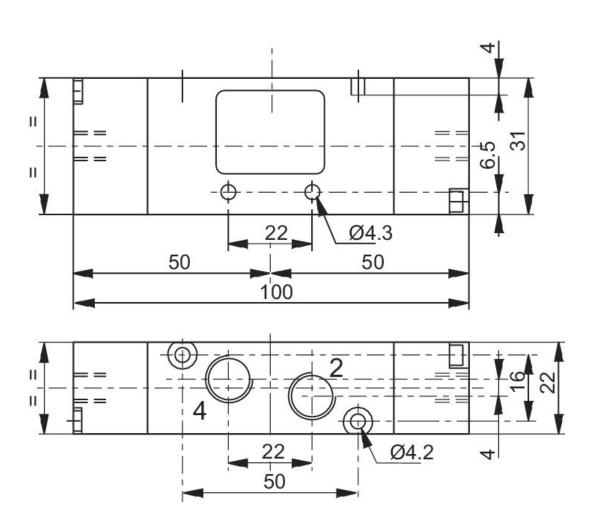


Compressed air connection input	Compressed air connection output	Min. control pressure [bar]	Max. control pressure [bar]	Pilot	Part No.
G 1/4	G 1/4	1.5	8	External	52100078



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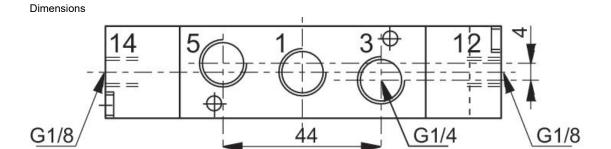
5/3-directional valve, Series 521

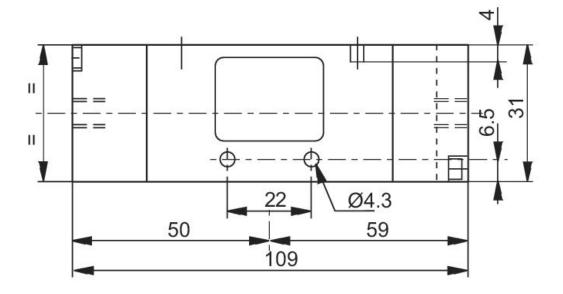
Internal thread Pneumatically

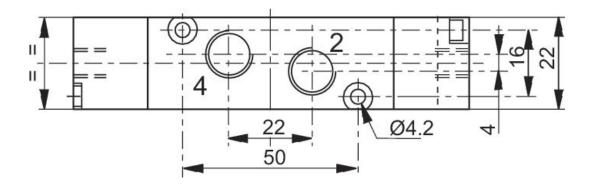


Version	Compressed air connection input	Compressed air connection output	Min. con- trol pressure [bar]	Max. con- trol pressure [bar]	Pilot	Part No.
Closed Center	G 1/4	G 1/4	1.5	8	External	52100079
Pressurized Center	G 1/4	G 1/4	1.5	8	External	52100142
Exhausted Center	G 1/4	G 1/4	1.5	8	External	52100082











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Base plate, Series 335

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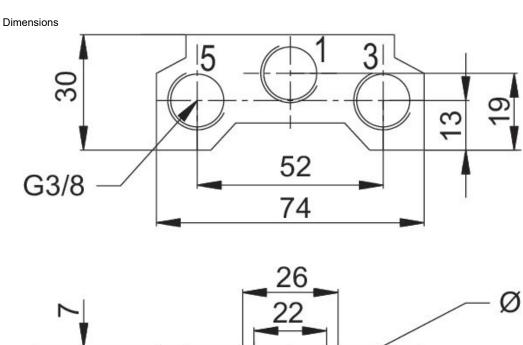


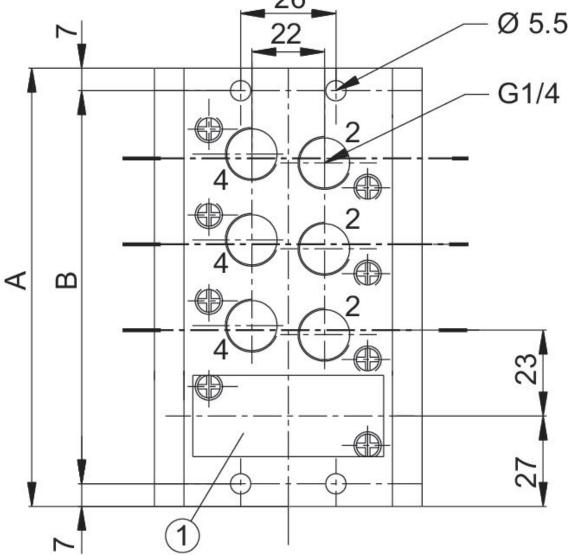
Compressed air connection input	Compressed air connection, exhaust	Max. number of valve positions	Part No.
G 3/8	G 3/8	2	35500342
G 3/8	G 3/8	3	35500343
G 3/8	G 3/8	4	35500344
G 3/8	G 3/8	5	35500345
G 3/8	G 3/8	6	35500346
G 3/8	G 3/8	7	35500347
G 3/8	G 3/8	8	35500348
G 3/8	G 3/8	9	35500349
G 3/8	G 3/8	10	35500350



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1) Blanking plate



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Part No.	А	В
35500342	77	63
35500343	100	86
35500344	123	109
35500345	146	132
35500346	169	155
35500347	192	178
35500348	215	201
35500349	238	224
35500350	261	247



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