

5/2-way Solenoid Valve for pneumatics

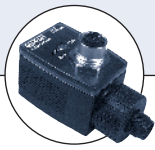


- Compact design
- Single and manifold mounting
- Low power consumption
- Rocker pilot in DC
- Fast response times

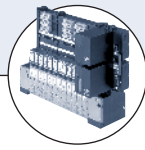
Type 6527 can be combined with...



Type 2506
Cable plug



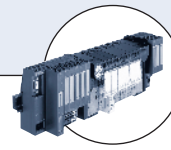
Type 2510/2511
ASI cable plug



Type 8640
Valve island



Type 2031
Diaphragm valve



Type 8644
Valve island



Type 0044
Cylinder

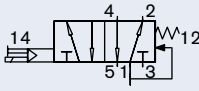
The solenoid valve Type 6527 consists of a pneumatic valve body fitted with Type 6106 rocker pilot valve. The rocker principle allows switching of high pressures together with low power consumption and fast response times. The extendable Type 6527 can be used for block modules (tag connectors in front) or for entire valve islands (8640 & 8644 - tag connectors at the block).

All valves are equipped with manual override as a standard.

Technical data	
Orifice	DN 6.0
Body material	PA (Polyamide)
Seal material	NBR
Media	Lubricated and non-lubricated dry air; neutral gases (10 µm-filter)
Media temperature	-10 to +50 °C
Ambient temperature	-10 to +55 °C
Manual override	As a standard feature
Port connection	Flange for MP12 (please see illustration)
Pneumatic module	Type MP12 with G1/8, Push-in connection Ø 8 mm
Voltage	24 V DC
Voltage tolerance	±10%
Nominal power	2W, 1W
Duty cycle	Continuous operation (100%)
Electrical connection	Tag connector acc. to DIN EN 175301-803 (previously DIN 43650) Form C
Protection class	IP 65 (with cable plug)
Weight	95g
Mounting	with 2 screws M3x30
Installation	Any, preferably solenoid system upright

Flow rate Q _N -value air [l/min]	Measured at +20°C, 6 bar pressure at valve inlet and 1 bar pressure difference
Pressure values [bar]	Measured as overpressure to the atmospheric pressure
Response times [ms]	Measures acc. to ISO 12238

Ordering chart for valves

Circuit function	Orifice [mm]	Q _{Nn} value air [l/min]	Pressure range [bar]	Nominal power [W]	Response time		Voltage/frequency [V/Hz]	Item no.
					Opening [ms]	Closing [ms] ³⁾		
H 	6	700	1.0 - 10 ¹⁾	2	20	12	24 V DC	156 828
			1.0 - 10 ¹⁾	2	20	12	24 V DC	163 030 ²⁾
			2.0 - 10	2	20	12	24 V DC	156 337
			2.0 - 10	2	20	12	24 V DC	158 942 ²⁾
			2.0 - 8.0	1	20	17	24 V DC	156 827
			2.0 - 8.0	1	20	12	24 V DC	158 943 ²⁾

¹⁾ Version with auxiliary pilot air.

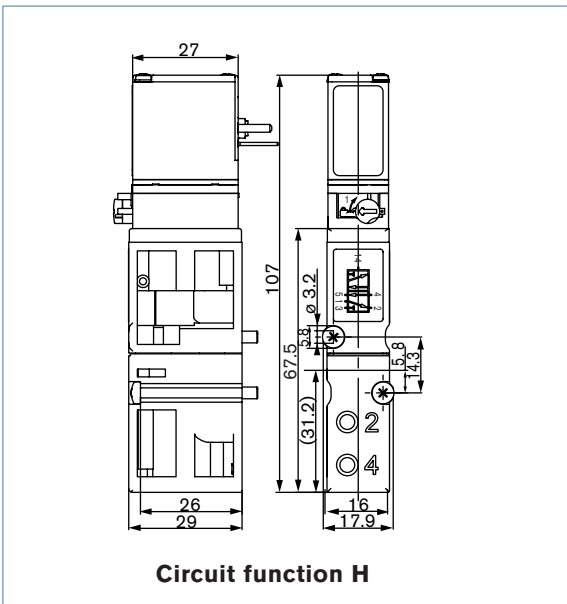
²⁾ Electrical connection above manual ride.

³⁾ In combination with valve islands the closing time will be approx. 5ms longer.

Ordering chart for Type MP12 pneumatic modules

Module	Version	Feature	Item No.
Connection module	right	G 3/8	655 110
		NPT 3/8	655 112
	left	G 3/8	655 109
		NPT 3/8	655 111
Pneumatic basic module 2 valves	push-in connection Ø 8 mm	without check valve	156 617
		with integrated check valve with R-channel	156 635
		with integrated check valve with R and S-channel	156 632
		connection G 1/8	without check valve
	connection G 1/8	with integrated check valve with R-channel	156 636
		with integrated check valve with R and S-channel	156 633
	connection NPT 1/8	without check valve	156 631
		with integrated check valve with R-channel	156 637
with integrated check valve with R and S-channel		156 634	
Pneumatic basic module 4 valves		push-in connection Ø 8 mm	without check valve
	with integrated check valve with R-channel		156 662
	with integrated check valve with R and S-channel		156 659
	connection G 1/8		without check valve
	connection G 1/8	with integrated check valve with R-channel	156 663
		with integrated check valve with R and S-channel	156 660
	NPT 1/8	without check valve	156 658
		with integrated check valve with R-channel	156 664
with integrated check valve with R and S-channel		156 661	
Covering plate		for unused valve positions	653 765

Dimensions [mm]

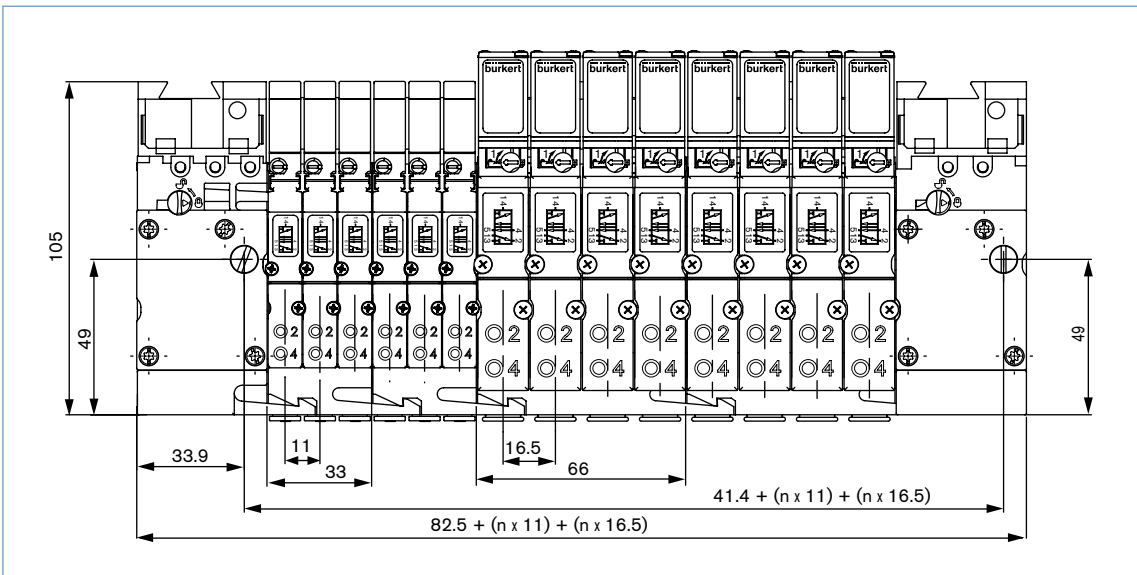


Application example

14 Actuators (process valves, cylinder) are controlled

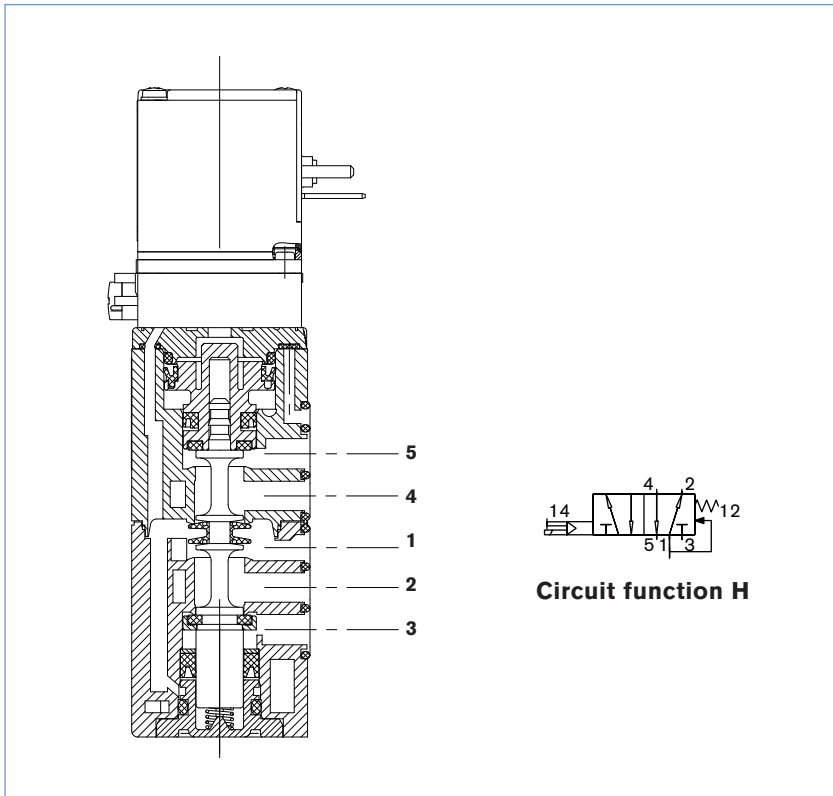
8 double acting actuators (large volume)

6 double acting actuators (small volume)



Quantity	Type	Version	Item No.
1	MP12	Connection module, right G 3/8	655 110
2	MP12	Pneumatic basic module, 4 valves, push-in connection Ø 8 mm	156 656
2	MP12 for Type 6525	Pneumatic basic module, 3 valves, push-in connection Ø 6 mm	156 647
1	MP12	Connection module, left G 3/8	655 109
8	6527	5/2-way valve, WWC, QNn 700 l/min	156 827
6	6525	5/2-way valve, WWC, QNn 300 l/min	156 733

Sectional drawing

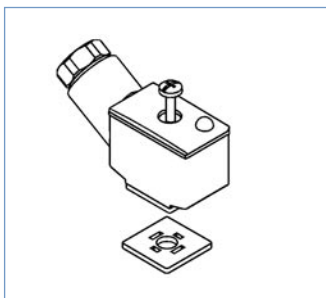


Accessories ordering chart for pneumatic modules Type MP12

Built-in circuitry	Voltage [V]	Supply voltage	Item No.
without built-in circuitry	0 - 250 V	DC	008 353
with LED	12 - 24 V	DC	008 402
with LED and varistor	12 - 24 V	DC	008 408
with rectifier, LED and varistor	12 - 24 V	AC/DC	008 354
with rectifier, LED and varistor	110 - 120 V	AC/DC	008 355
with rectifier, LED and varistor	220 - 240 V	AC/DC	008 356

Additional versions please see datasheet for Type 2506

The delivery of a socket connection includes the flat seal and the mounting screw. For other socket connection models with integrated circuitry to DIN EN 175301-803 (previously DIN 43650) Form C, see datasheet 2506.



In case of special application conditions, please consult for advice.

We reserve the right to make technical changes without notice.

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