

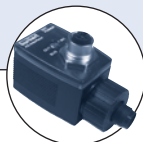
3/2-way Solenoid Valve for pneumatics



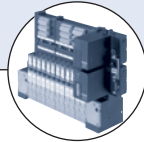
Type 6526 can be combined with...



Type 2506
Cable plug



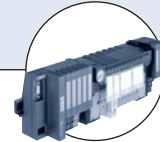
Type 2510/2511
ASI cable plug



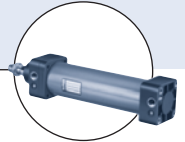
Type 8640
Valve island



Type 2031
Diaphragm valve



Type 8644
Valve island



Type 0044
Pneumatic cylinder

The solenoid valve Type 6526 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).

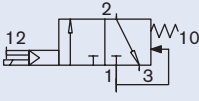
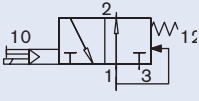
All valves are equipped with manual override as a standard.

Technical data

Orifice	DN 6.0
Body material	PA (Polyamide)
Seal material	NBR
Media	Lubricated and non-lubricated dry air; neutral gases (10 µm filtering)
Media temperature	-10 to +50 °C
Ambient temperature	-10 to +55 °C
Manual override	As a standard feature
Port connection	Flange for MP12
Pneumatic module	Type MP12 with G1/8, Push-in connection Ø 8 mm
Voltage tolerance	±10%
Voltage	24 V DC
Nominal power	2W, 1W
Duty cycle	Continuous operation (100% ED)
Electrical connection	Tag connector acc. to DIN EN 175301-803 (previously DIN 43650) Form C Type 2506
Protection class	IP 65 (with cable plug)
Weight	85g
Mounting	with 2 screws M3x30
Installation	As required, preferably with actuator upright

Ordering chart for valves

3/2-way solenoid valve without cable plug

Circuit function	Orifice [mm]	Q _{Nn} value air [l/min]	Pressure range [bar]	Power consumption [W]	Response times		Item no. 24 V DC
					Opening [ms]	Closing [ms] ⁴⁾	
C 3/2-way valve 	6	700	1.0 - 10 ¹⁾	2	20	12	156 842 ³⁾
			1.0 - 10 ¹⁾	2	20	12	163 028 ^{2), 3)}
			2.0 - 10	2	20	12	156 318 ³⁾
			2.0 - 10	2	20	12	158 944 ^{2), 3)}
			2.0 - 10	2	20	12	160 405 ^{2), 4)}
			2.0 - 8.0	1	20	17	156 840 ³⁾
			2.0 - 8.0	1	20	12	158 947 ^{2), 3)}
			2.0 - 8.0	1	20	12	160 408 ^{2), 4)}
D 3/2-way valve 	6	700	1.0 - 10 ¹⁾	2	12	20	157 672 ³⁾
			1.0 - 10 ¹⁾	2	20	12	163 029 ^{2), 3)}
			2.0 - 10	2	12	20	156 320 ³⁾
			2.0 - 10	2	20	12	158 946 ^{2), 3)}
			2.0 - 10	2	20	12	160 407 ^{2), 4)}
			2.0 - 8.0	1	17	20	156 841 ³⁾
			2.0 - 8.0	1	20	12	158 948 ^{2), 3)}
			2.0 - 8.0	1	20	12	160 409 ^{2), 4)}

¹⁾ Version with auxiliary pilot air.

²⁾ Electrical connection above manual override.

³⁾ "long version": can be mounted together with type 6527 on a valve island.

⁴⁾ In combination with valve islands the closing time will be approx. 5ms longer.

Flow rate, Q_{Nn}-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

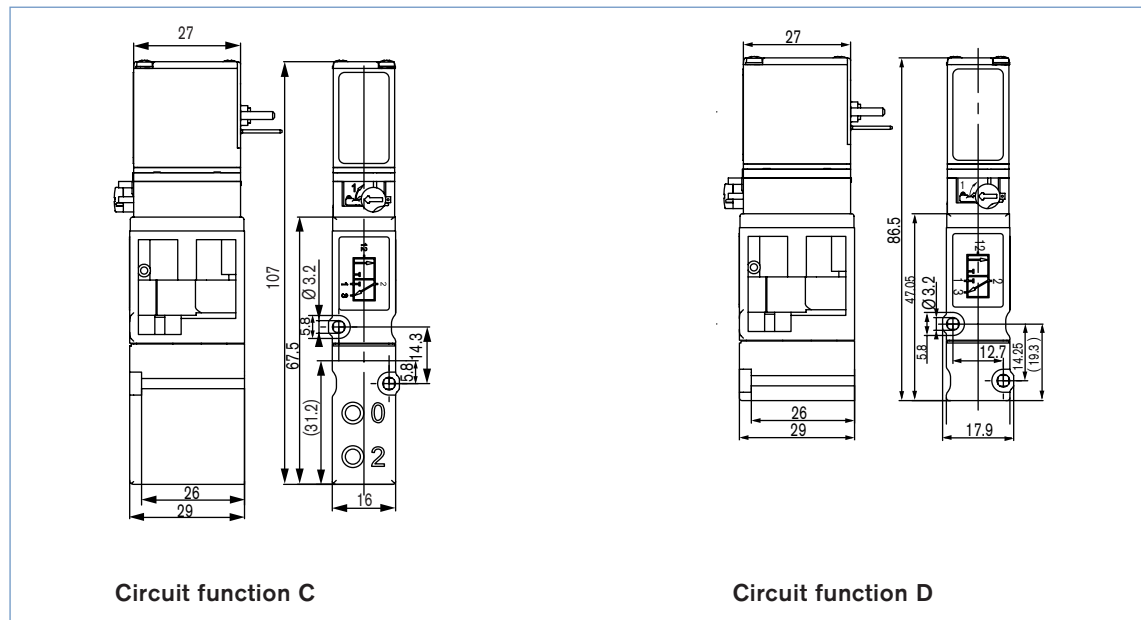
Response times [ms]: Measures acc. to ISO 12238

Please note that the cable plug has to be ordered separately, see ordering chart for accessories on last page or separate datasheet for Type 2506.

Ordering chart for accessories: 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	156 620
			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	156 656
			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	156 657
			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]

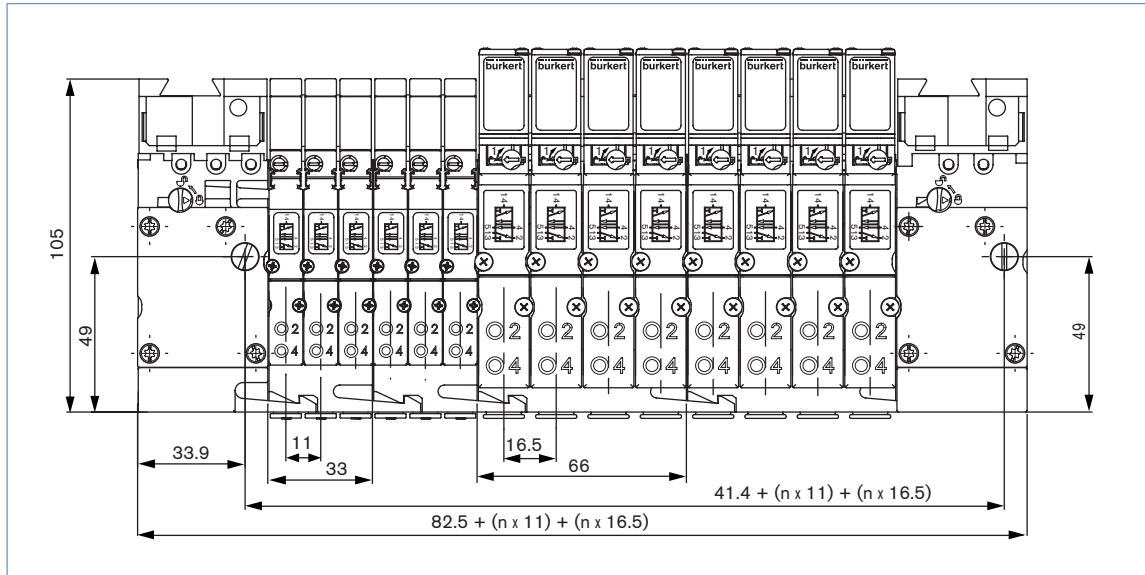


Application example

14 Actuators (process valves, cylinder) are controlled

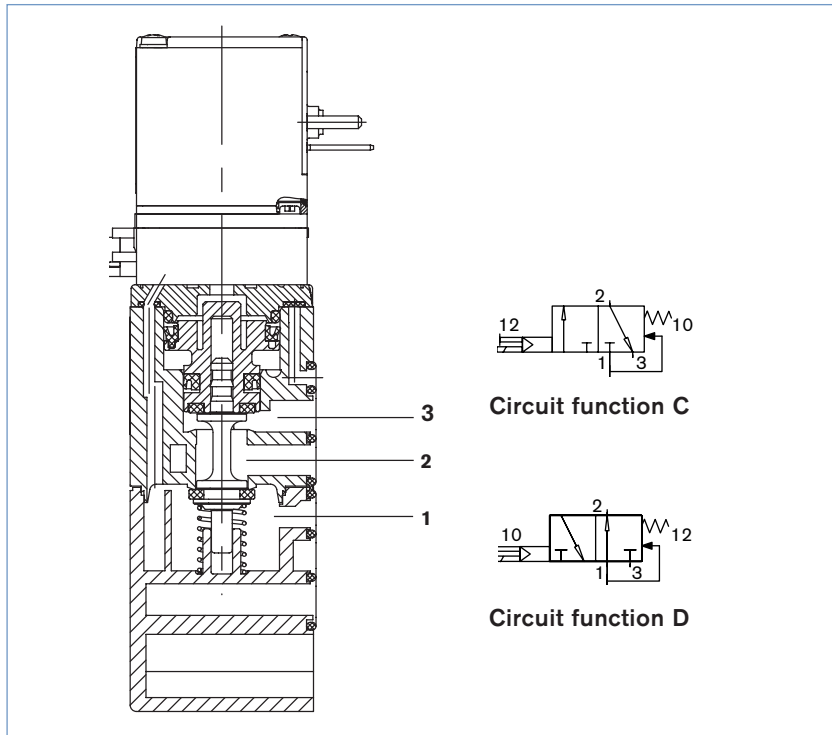
8 double acting actuators (large volume)

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

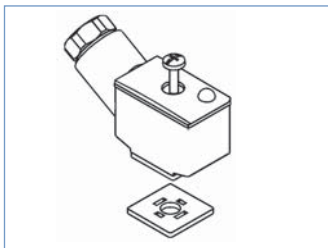


Ordering chart for accessories pneumatic modules Type MP12

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 datasheets 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.



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

We reserve the right to make technical changes without notice.

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