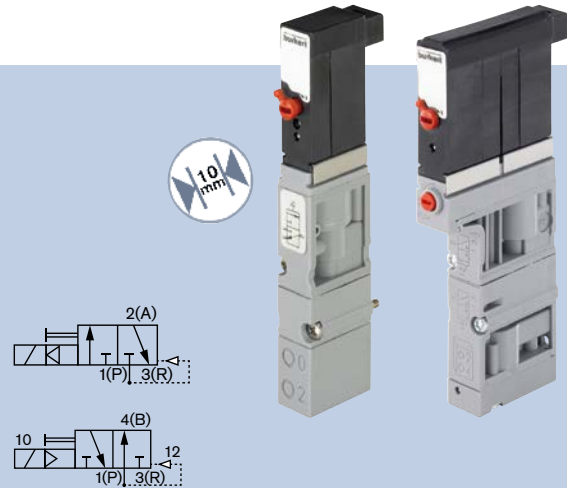


3/2-way and 2 x 3/2-way Solenoid Valve for pneumatics

- Modular valve block with 10 mm mounting pitch
- Low power consumption
- Fast response times
- Space saving (2 x 3/2-way version)



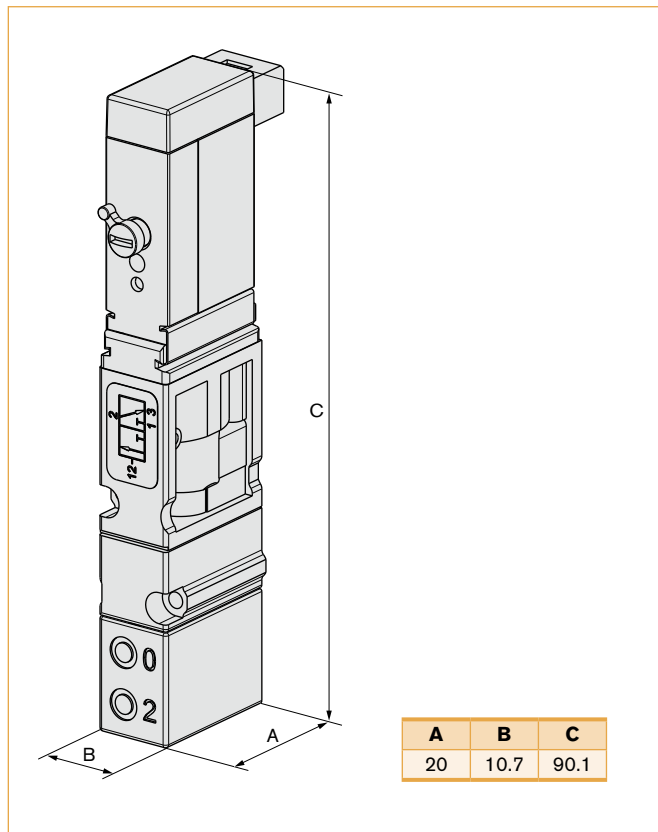
A compact manifold with a pitch of 11 mm per station can be put together from the components of Type 6524. Type 6524 consists of the pilot flipper solenoid valve, Type 6144 and a pneumatic seat valve. The flipper principle allows switching of high pressures together with low power consumption and fast response times. All valves are equipped with manual override as a standard. The 2 x 3/2-way valve version is the combination of two pilot flipper solenoid valves, Type 6144 and a pneumatic seat valve.

Technical Data

	3/2-way valve	2 x 3/2-way valve
Orifice	DN4.0 mm	
Body material	PPS, PA	
Seal material	FKM, NBR	
Medium	Lubricated, oil free, dry compressed air; neutral gases (5 µm filter recommended)	
Medium temperature	-10 °C to +50 °C	
Ambient temperature	-10 °C to +55 °C	
Manual override	Standard	
Port connection	Flange for MP11	
Pneumatic module	Type MP11 with M5, M7, push-in connection Ø 6 mm	
Voltage tolerance	± 10%	
Cycle rate	approx. 1000 c.p.m.	
Voltage	24 V DC *	
Nominal power	0.8 W	2 x 0.8 W
Duty cycle	Continuous operation (100% ED)	
Electrical connection on valve (not included)	Rectangular plug with 2-pole raster 5.08 mm	Rectangular plug with 3-pole raster 2.54 mm
Type of protection	IP40 with rectangular plug	
Protection class	3 acc. to VDE 0580	
Weight	20 g	40 g
Mounting	with 2 screws M2 x 20	with 2 screws M2 x 28
Installation	As required, preferably with actuator upright	
Response times [ms]	Measurement acc. to ISO 12238	
Opening	< 10 ms	
Closing	< 10 ms	

* 10% residual ripple allowed

Envelope Dimensions [mm] (see datasheet for details)



Ordering Chart

Circuit function	Orifice [mm]	QNn value air [l/min] ²⁾	Pressure range [bar] ³⁾	Voltage/frequency [V/Hz] [*]	Item no.
3/2-way solenoid valve					
C 3/2-way valve normally closed	4	300	Vac - 10 ¹⁾	024V/DC	186 258
			1 - 10	024V/DC	186 257
			2.5 - 10	024V/DC	184 043
D 3/2-way valve normally open	4	300	2.5 - 10	024V/DC	184 400

* 10% residual ripple allowed

Circuit function	Orifice [mm]	QNn value air [l/min] ²⁾	Pressure range[bar] ³⁾	Voltage/frequency [V/Hz] [*]	Integrated power savings electronics	Item no.
2 x 3/2-way solenoid valve						
C 2 x 3/2-way valve normally closed	4	300	Vac - 10 ¹⁾	024V/DC	Yes ⁴⁾	186 259
			2.5 - 10	024V/DC	Yes ⁴⁾	186 260
			2.5 - 10	024V/DC	No	204 710

¹⁾ Version with auxiliary pilot air

²⁾ Measured at +20 °C, 6 bar pressure at valve inlet and 1 bar pressure difference

³⁾ Measured as overpressure to the atmospheric pressure

⁴⁾ Applicable on valve island 8640, AirLine system 8644 or valve blocks

* 10% residual ripple allowed

Accessories

Description	Version	Features	Item no.
Rectangular cable plug for 6524 single valve	Raster 5.08 mm	with 3 m cable 2-pins	133 486
		with 300 mm flying leads 2-pins	644 068
		with 2 single contacts	644 067
Covering plate for 5/2-way valve position	Complete	for 1 unused valve position	650 373
Covering plate for 2 x 3/2-way valve position		for 1 unused valve position	661 092
Pneumatic connector module	Left	G 1/4"	144 750
		NPT 1/4"	144 751
	Right	G 1/4"	144 753
		NPT 1/4"	144 754
Pneumatic basic module MP11, 2 valves wide	Push-in connection Ø 6 mm	without check valve	144 903
		with check valve in R	144 909
		without check valve for 2 x 3/2-way valve	170 261
		with check valve in R+S for 2 x 3/2-way valve	170 266
	Connection M5	without check valve	144 904
	Connection M7	without check valve for 2 x 3/2-way valve	144 905
		without check valve for 2 x 3/2-way valve	170 263
		with check valve in R+S for 2 x 3/2-way valve	170 276
without check valve for 2 x 3/2-way valve		170 279	
Pneumatic basic module MP11, 8 valves wide	Push-in connection Ø 6 mm	without check valve	144 912
		with check valve in R+S	144 915
		without check valve for 2 x 3/2-way valve	170 279
		with check valve in R+S for 2 x 3/2-way valve	170 285
	Connection M5	without check valve	144 913
	Connection M7	without check valve	144 914
		without check valve for 2 x 3/2-way valve	170 282
		with check valve in R+S for 2 x 3/2-way valve	170 287
without check valve for 2 x 3/2-way valve		170 282	