

Miniature valves (3-way direct operated)

3/2

ACTUATION	BODY MATERIAL	FUNCTION	CONNECTION	ORIFICE (MM)	MAX. PRESSURE (BAR)	PAGE
Direct operated	Brass body	Normally closed	1/8	.3 to 4	14.0	162
		Normally open	1/8	.8 to 4	11.2	162
		Universal	1/8	.8 to 4	10.5	164
		Diverting	1/8	.8 to 4	16.0	166
	303 Stainless steel body	Normally closed	1/8	.3 to 4	14.0	166
		Normally open	1/8	.8 to 4	11.2	168
		Universal	1/8	.8 to 4	10.5	168
		Diverting	1/8	.8 to 4	16.0	170
	Aluminium alloy body	Normally closed	SB	1.2 to 1.6	10.5	170
		Normally open	SB	1.2 to 1.6	8.75	170
		Universal	SB	1.2 to 1.6	7.0	170
		Diverting	SB	1.2 to 1.6	11.2	172

Notes:

Direct operated valves: pressure range from 0 to max pressure.

Miniature valves (3-way direct operated)

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Applications

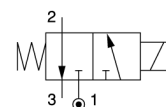
The Miniature Series is a small size and low power consumption valve line. It is available in 2-way (normally closed and normally open) and 3-way (normally closed and normally open) versions. These valves are equipped with integrated molded coils with tab or lead termination.

Direct operated

Port size	Orifice (mm)	Flow factors (L/min)			Admissible differential pressure bar			Fluid temp. °C			Seat disc	Reference numbers				OR	Power consumption (W)		Wt. (g)	Dim ref.
		Liquids kv	Qmax	Gases Qn	Min	Max	DC	AC	Gas	Liquid	Oil	Global valve reference	Valve reference	Housing	Coil		DC	AC		

Brass body/Pipe mounting

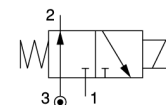
Normally closed



1/8	0.3	0.43	-	-	0	14	14	50	50	50	FKM	3131BBN1AV00	-	NO	M1S1	4.5	4.5	-	100
	0.3	0.43	-	-	0	14	14	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	1.2	0.72	-	-	0	10.5	10.5	50	50	50	FKM	3131BBN1EV00	-	NO	M1S1	4.5	4.5	-	100
	1.2	0.72	-	-	0	10.5	10.5	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	1.6	1.29	-	-	0	7	7	50	50	50	FKM	3131BBN1GV00	-	NO	M1S1	4.5	4.5	-	100
	1.6	1.29	-	-	0	7	7	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	2	1.86	-	-	0	5.6	5.6	50	50	50	FKM	3131BBN1JV00	-	NO	M1S1	4.5	4.5	-	100
	2	1.86	-	-	0	5.6	5.6	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	2	1.86	-	-	0	3.5	3.5	50	50	50	FKM	3931BBN1JV00	-	NO	M4S1	2.5	2.5	-	100
	2	1.86	-	-	0	3.5	3.5	50	50	50	FKM			NO	M6J5	2.5	2.5	-	
	2.4	2.57	-	-	0	4.2	4.2	50	50	50	FKM	3131BBN1LV00	-	NO	M1S1	4.5	4.5	-	100
	2.4	2.57	-	-	0	4.2	4.2	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	2.4	2.57	-	-	0	2.45	2.45	50	50	50	FKM	3931BBN1LV00	-	NO	M4S1	2.5	2.5	-	100
	2.4	2.57	-	-	0	2.45	2.45	50	50	50	FKM			NO	M6J5	2.5	2.5	-	
	3.2	3.43	-	-	0	2.8	2.8	50	50	50	FKM	3131BBN1NV00	-	NO	M1S1	4.5	4.5	-	100
	3.2	3.43	-	-	0	2.8	2.8	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	3.2	3.43	-	-	0	1.4	1.4	50	50	50	FKM	3931BBN1NV00	-	NO	M4S1	2.5	2.5	-	100
	3.2	3.43	-	-	0	1.4	1.4	50	50	50	FKM			NO	M6J5	2.5	2.5	-	
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM	3131BBN1QV00	-	NO	M1S1	4.5	4.5	-	100
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM	3931BBN1QV00	-	NO	M4S1	2.5	2.5	-	100
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM			NO	M6J5	2.5	2.5	-	

Brass body/Pipe mounting

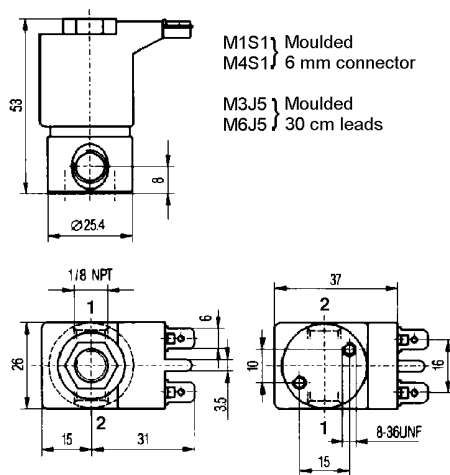
Normally open



1/8	0.8	0.43	-	-	0	11.2	11.2	50	50	50	FKM	3139BBN1AV00	-	NO	M1S1	4.5	4.5	-	100
	0.8	0.43	-	-	0	11.2	11.2	50	50	50	FKM			NO	M3J5	4.5	4.5	-	

Table continued on page 164

Miniature valves 3/2 - Direct operated



Dimension reference 100

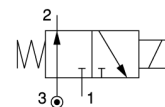


Miniature valves 3/2 - Direct operated

Port size	Orifice (mm)	Flow factors (L/min)			Admissible differential pressure bar			Fluid temp. °C			Seat disc	Reference numbers				Power consumption (W)		Wt. (g)	Dim ref.	
		Liquids		Gases	Min	Max		Gas	Liquid	Oil		Global valve reference	Valve reference	Housing	Coil	DC	AC			
		kv	Qmax			DC	AC													
G				Qn																

Brass body/Pipe mounting

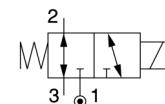
Normally open



1/8	1.2	0.72	-	-	0	8.75	8.75	50	50	50	FKM	3139BBN1EV00	-	NO	M1S1	4.5	4.5	-	100
	1.2	0.72	-	-	0	8.75	8.75	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	1.6	1.29	-	-	0	7	7	50	50	50	FKM	3139BBN1GV00	-	NO	M1S1	4.5	4.5	-	100
	1.6	1.29	-	-	0	7	7	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	2	1.86	-	-	0	5.6	5.6	50	50	50	FKM	3139BBN1JV00	-	NO	M1S1	4.5	4.5	-	100
	2	1.86	-	-	0	5.6	5.6	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	2.4	2.57	-	-	0	4.2	4.2	50	50	50	FKM	3139BBN1LV00	-	NO	M1S1	4.5	4.5	-	100
	2.4	2.57	-	-	0	4.2	4.2	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	3.2	3.43	-	-	0	2.8	2.8	50	50	50	FKM	3139BBN1NV00	-	NO	M1S1	4.5	4.5	-	100
	3.2	3.43	-	-	0	2.8	2.8	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM	3139BBN1QV00	-	NO	M1S1	4.5	4.5	-	100
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM			NO	M3J5	4.5	4.5	-	

Brass body/Pipe mounting

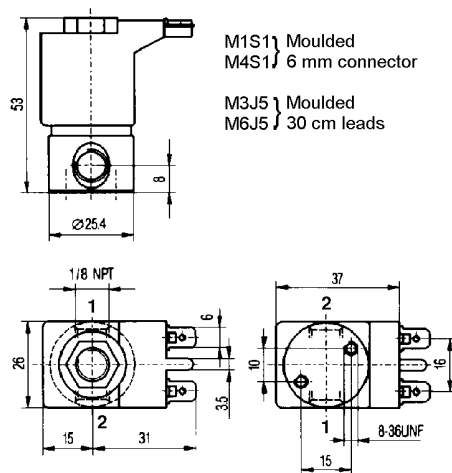
Universal



1/8	0.8	0.43	-	-	0	10.5	10.5	50	50	50	FKM	3133BBN1AV00	-	NO	M1S1	4.5	4.5	-	100
	0.8	0.43	-	-	0	10.5	10.5	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	0.8	0.43	-	-	0	6.6	6.6	50	50	50	FKM	3933BBN1AV00	-	NO	M4S1	2.5	2.5	-	100
	0.8	0.43	-	-	0	6.6	6.6	50	50	50	FKM			NO	M6J5	2.5	2.5	-	
	1.2	0.72	-	-	0	7	7	50	50	50	FKM	3133BBN1EV00	-	NO	M1S1	4.5	4.5	-	100
	1.2	0.72	-	-	0	7	7	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	1.2	0.72	-	-	0	4.2	4.2	50	50	50	FKM	3933BBN1EV00	-	NO	M4S1	2.5	2.5	-	100
	1.2	0.72	-	-	0	4.2	4.2	50	50	50	FKM			NO	M6J5	2.5	2.5	-	
	1.6	1.29	-	-	0	5.6	5.6	50	50	50	FKM	3133BBN1GV00	-	NO	M1S1	4.5	4.5	-	100
	1.6	1.29	-	-	0	5.6	5.6	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	1.6	1.29	-	-	0	1.4	1.4	50	50	50	FKM	3933BBN1GV00	-	NO	M4S1	2.5	2.5	-	100
	1.6	1.29	-	-	0	1.4	1.4	50	50	50	FKM			NO	M6J5	2.5	2.5	-	
	2	1.86	-	-	0	4.2	4.2	50	50	50	FKM	3133BBN1JV00	-	NO	M1S1	4.5	4.5	-	100
	2	1.86	-	-	0	4.2	4.2	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	2	1.86	-	-	0	0.56	0.56	50	50	50	FKM	3933BBN1JV00	-	NO	M4S1	2.5	2.5	-	100
	2	1.86	-	-	0	0.56	0.56	50	50	50	FKM			NO	M6J5	2.5	2.5	-	
	2.4	2.57	-	-	0	2.45	2.45	50	50	50	FKM	3133BBN1LV00	-	NO	M1S1	4.5	4.5	-	100
	2.4	2.57	-	-	0	2.45	2.45	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	3.2	3.43	-	-	0	1.4	1.4	50	50	50	FKM	3133BBN1NV00	-	NO	M1S1	4.5	4.5	-	100
	3.2	3.43	-	-	0	1.4	1.4	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM	3133BBN1QV00	-	NO	M1S1	4.5	4.5	-	100
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM			NO	M3J5	4.5	4.5	-	

Table continued on page 166

Miniature valves 3/2 - Direct operated



Dimension reference 100

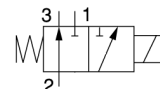


Miniature valves 3/2 - Direct operated

Port size	Orifice (mm)	Flow factors (L/min)			Admissible differential pressure bar			Fluid temp. °C			Seat disc	Reference numbers				Power consumption (W)		Wt. (g)	Dim ref.
		Liquids kv	Gases Qmax	Gases Qn	Min	Max		Gas	Liquid	Oil		Global valve reference	Valve reference	Housing	Coil	DC	AC		

Brass body/Pipe mounting

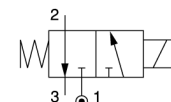
Diverting



1/8	0.8	0.43	-	-	0	16	16	50	50	50	FKM	3138BBN1AV00	-	NO	M1S1	4.5	4.5	-	100
	0.8	0.43	-	-	0	16	16	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	1.2	0.72	-	-	0	11.2	11.2	50	50	50	FKM	3138BBN1EV00	-	NO	M1S1	4.5	4.5	-	100
	1.2	0.72	-	-	0	11.2	11.2	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	1.6	1.29	-	-	0	8.4	8.4	50	50	50	FKM	3138BBN1GV00	-	NO	M1S1	4.5	4.5	-	100
	1.6	1.29	-	-	0	8.4	8.4	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	2	1.86	-	-	0	5.6	5.6	50	50	50	FKM	3138BBN1JV00	-	NO	M1S1	4.5	4.5	-	100
	2	1.86	-	-	0	5.6	5.6	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	2.4	2.57	-	-	0	4.2	4.2	50	50	50	FKM	3138BBN1LV00	-	NO	M1S1	4.5	4.5	-	100
	2.4	2.57	-	-	0	4.2	4.2	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	3.2	3.43	-	-	0	2.45	2.45	50	50	50	FKM	3138BBN1NV00	-	NO	M1S1	4.5	4.5	-	100
	3.2	3.43	-	-	0	2.45	2.45	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	4	4.3	-	-	0	1.4	1.4	50	50	50	FKM	3138BBN1QV00	-	NO	M1S1	4.5	4.5	-	100
	4	4.3	-	-	0	1.4	1.4	50	50	50	FKM			NO	M3J5	4.5	4.5	-	

303 Stainless steel body/Pipe mounting

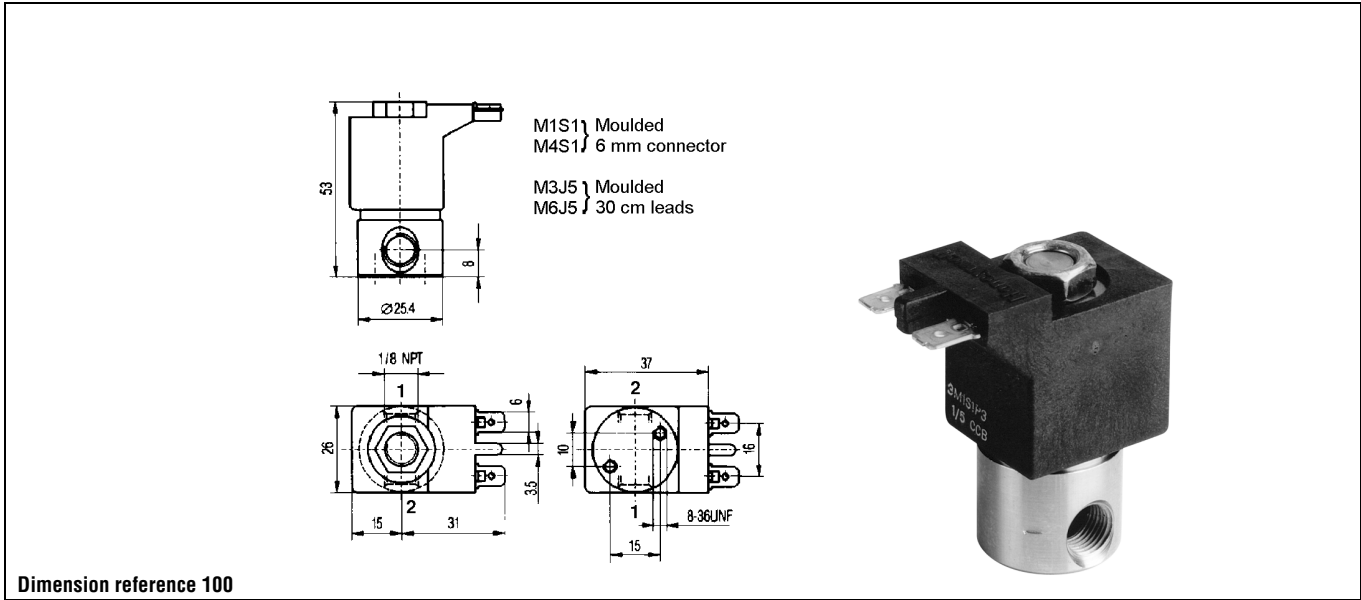
Normally closed



1/8	0.3	0.43	-	-	0	14	14	50	50	50	FKM	3131BSN1AV00	-	NO	M1S1	4.5	4.5	-	100
	0.3	0.43	-	-	0	14	14	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	1.2	0.72	-	-	0	10.5	10.5	50	50	50	FKM	3131BSN1EV00	-	NO	M1S1	4.5	4.5	-	100
	1.2	0.72	-	-	0	10.5	10.5	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	1.6	1.29	-	-	0	7	7	50	50	50	FKM	3131BSN1GV00	-	NO	M1S1	4.5	4.5	-	100
	1.6	1.29	-	-	0	7	7	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	2	1.86	-	-	0	5.6	5.6	50	50	50	FKM	3131BSN1JV00	-	NO	M1S1	4.5	4.5	-	100
	2	1.86	-	-	0	5.6	5.6	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	2	1.86	-	-	0	3.5	3.5	50	50	50	FKM	3931BSN1JV00	-	NO	M4S1	2.5	2.5	-	100
	2	1.86	-	-	0	3.5	3.5	50	50	50	FKM			NO	M6J5	2.5	2.5	-	
	2.4	2.57	-	-	0	4.2	4.2	50	50	50	FKM	3131BSN1LV00	-	NO	M1S1	4.5	4.5	-	100
	2.4	2.57	-	-	0	4.2	4.2	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	2.4	2.57	-	-	0	2.45	2.45	50	50	50	FKM	3931BSN1LV00	-	NO	M4S1	2.5	2.5	-	100
	2.4	2.57	-	-	0	2.45	2.45	50	50	50	FKM			NO	M6J5	2.5	2.5	-	
	3.2	3.43	-	-	0	2.8	2.8	50	50	50	FKM	3131BSN1NV00	-	NO	M1S1	4.5	4.5	-	100
	3.2	3.43	-	-	0	2.8	2.8	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	3.2	3.43	-	-	0	1.4	1.4	50	50	50	FKM	3931BSN1NV00	-	NO	M4S1	2.5	2.5	-	100
	3.2	3.43	-	-	0	1.4	1.4	50	50	50	FKM			NO	M6J5	2.5	2.5	-	
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM	3131BSN1QV00	-	NO	M1S1	4.5	4.5	-	100
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM	3931BSN1QV00	-	NO	M4S1	2.5	2.5	-	100
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM			NO	M6J5	2.5	2.5	-	

Table continued on page 168

Miniature valves 3/2 - Direct operated

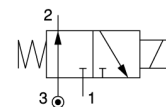


Miniature valves 3/2 - Direct operated

Port size	Orifice (mm)	Flow factors (L/min)			Admissible differential pressure bar			Fluid temp. °C			Seat disc	Reference numbers				Power consumption (W)		Wt. (g)	Dim ref.	
		Liquids		Gases	Min	Max		Gas	Liquid	Oil		Global valve reference	Valve reference	Housing	Coil	DC	AC			
		kv	Qmax			Qn	DC													AC
G																				

303 Stainless steel body/Pipe mounting

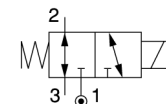
Normally open



1/8	0.8	0.43	-	-	0	11.2	11.2	50	50	50	FKM	3139BSN1AV00	-	NO	M1S1	4.5	4.5	-	100
	0.8	0.43	-	-	0	11.2	11.2	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	1.2	0.72	-	-	0	8.75	8.75	50	50	50	FKM	3139BSN1EV00	-	NO	M1S1	4.5	4.5	-	100
	1.2	0.72	-	-	0	8.75	8.75	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	1.6	1.29	-	-	0	7	7	50	50	50	FKM	3139BSN1GV00	-	NO	M1S1	4.5	4.5	-	100
	1.6	1.29	-	-	0	7	7	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	2	1.86	-	-	0	5.6	5.6	50	50	50	FKM	3139BSN1JV00	-	NO	M1S1	4.5	4.5	-	100
	2	1.86	-	-	0	5.6	5.6	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	2.4	2.57	-	-	0	4.2	4.2	50	50	50	FKM	3139BSN1LV00	-	NO	M1S1	4.5	4.5	-	100
	2.4	2.57	-	-	0	4.2	4.2	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	3.2	3.43	-	-	0	2.8	2.8	50	50	50	FKM	3139BSN1NV00	-	NO	M1S1	4.5	4.5	-	100
	3.2	3.43	-	-	0	2.8	2.8	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM	3139BSN1QV00	-	NO	M1S1	4.5	4.5	-	100
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM			NO	M3J5	4.5	4.5	-	

303 Stainless steel body/Pipe mounting

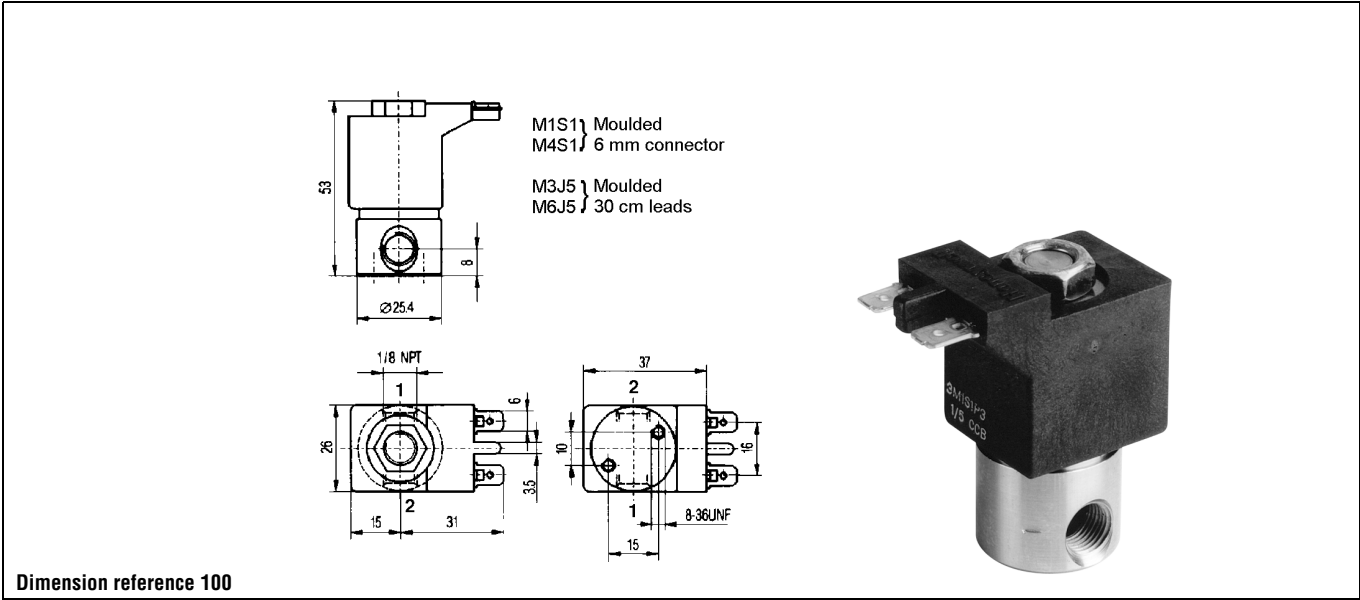
Universal



1/8	0.8	0.43	-	-	0	10.5	10.5	50	50	50	FKM	3133BSN1AV00	-	NO	M1S1	4.5	4.5	-	100
	0.8	0.43	-	-	0	10.5	10.5	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	0.8	0.43	-	-	0	6.6	6.6	50	50	50	FKM	3933BSN1AV00	-	NO	M4S1	2.5	2.5	-	100
	0.8	0.43	-	-	0	6.6	6.6	50	50	50	FKM			NO	M6J5	2.5	2.5	-	
	1.2	0.72	-	-	0	7	7	50	50	50	FKM	3133BSN1EV00	-	NO	M1S1	4.5	4.5	-	100
	1.2	0.72	-	-	0	7	7	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	1.2	0.72	-	-	0	4.2	4.2	50	50	50	FKM	3933BSN1EV00	-	NO	M4S1	2.5	2.5	-	100
	1.2	0.72	-	-	0	4.2	4.2	50	50	50	FKM			NO	M6J5	2.5	2.5	-	
	1.6	1.29	-	-	0	5.6	5.6	50	50	50	FKM	3133BSN1GV00	-	NO	M1S1	4.5	4.5	-	100
	1.6	1.29	-	-	0	5.6	5.6	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	1.6	1.29	-	-	0	1.4	1.4	50	50	50	FKM	3933BSN1GV00	-	NO	M4S1	2.5	2.5	-	100
	1.6	1.29	-	-	0	1.4	1.4	50	50	50	FKM			NO	M6J5	2.5	2.5	-	
	2	1.86	-	-	0	4.2	4.2	50	50	50	FKM	3133BSN1JV00	-	NO	M1S1	4.5	4.5	-	100
	2	1.86	-	-	0	4.2	4.2	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	2	1.86	-	-	0	0.56	0.56	50	50	50	FKM	3933BSN1JV00	-	NO	M4S1	2.5	2.5	-	100
	2	1.86	-	-	0	0.56	0.56	50	50	50	FKM			NO	M6J5	2.5	2.5	-	
	2.4	2.57	-	-	0	2.45	2.45	50	50	50	FKM	3133BSN1LV00	-	NO	M1S1	4.5	4.5	-	100
	2.4	2.57	-	-	0	2.45	2.45	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	3.2	3.43	-	-	0	1.4	1.4	50	50	50	FKM	3133BSN1NV00	-	NO	M1S1	4.5	4.5	-	100
	3.2	3.43	-	-	0	1.4	1.4	50	50	50	FKM			NO	M3J5	4.5	4.5	-	
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM	3133BSN1QV00	-	NO	M1S1	4.5	4.5	-	100
	4	4.3	-	-	0	0.7	0.7	50	50	50	FKM			NO	M3J5	4.5	4.5	-	

Table continued on page 170

Miniature valves 3/2 - Direct operated

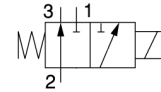


Miniature valves 3/2 - Direct operated

Port size	Orifice (mm)	Flow factors (L/min)			Admissible differential pressure bar			Fluid temp. °C			Seat disc	Reference numbers				Power consumption (W)		Wt. (g)	Dim ref.
		Liquids		Gases	Min	Max		Gas	Liquid	Oil		Global valve reference	Valve reference	Housing	Coil	DC	AC		
G		kv	Qmax	Qn		DC	AC												

303 Stainless steel body/Pipe mounting

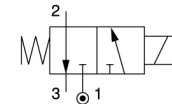
Diverting



1/8	0.8	0.43	-	-	0	16	16	50	50	50	FKM	3138BSN1AV00	-	N0	M1S1	4.5	4.5	-	100
	0.8	0.43	-	-	0	16	16	50	50	50	FKM			N0	M3J5	4.5	4.5	-	
	1.2	0.72	-	-	0	11.2	11.2	50	50	50	FKM	3138BSN1EV00	-	N0	M1S1	4.5	4.5	-	100
	1.2	0.72	-	-	0	11.2	11.2	50	50	50	FKM			N0	M3J5	4.5	4.5	-	
	1.6	1.29	-	-	0	8.4	8.4	50	50	50	FKM	3138BSN1GV00	-	N0	M1S1	4.5	4.5	-	100
	1.6	1.29	-	-	0	8.4	8.4	50	50	50	FKM			N0	M3J5	4.5	4.5	-	
	2	1.86	-	-	0	5.6	5.6	50	50	50	FKM	3138BSN1JV00	-	N0	M1S1	4.5	4.5	-	100
	2	1.86	-	-	0	5.6	5.6	50	50	50	FKM			N0	M3J5	4.5	4.5	-	
	2.4	2.57	-	-	0	4.2	4.2	50	50	50	FKM	3138BSN1LV00	-	N0	M1S1	4.5	4.5	-	100
	2.4	2.57	-	-	0	4.2	4.2	50	50	50	FKM			N0	M3J5	4.5	4.5	-	
	3.2	3.43	-	-	0	2.45	2.45	50	50	50	FKM	3138BSN1NV00	-	N0	M1S1	4.5	4.5	-	100
	3.2	3.43	-	-	0	2.45	2.45	50	50	50	FKM			N0	M3J5	4.5	4.5	-	
	4	4.3	-	-	0	1.4	1.4	50	50	50	FKM	3138BSN1QV00	-	N0	M1S1	4.5	4.5	-	100
	4	4.3	-	-	0	1.4	1.4	50	50	50	FKM			N0	M3J5	4.5	4.5	-	

Aluminium alloy body/Sub-base mounting

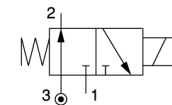
Normally closed



SB	1.2	0.72	-	-	0	10.5	10.5	50	50	50	FKM	3131BJA7EVC#	-	1	N0	M1S1	4.5	4.5	-	101
	1.2	0.72	-	-	0	10.5	10.5	50	50	50	FKM			1	N0	M3J5	4.5	4.5	-	
	1.6	1.29	-	-	0	7	7	50	50	50	FKM	3131BJA7GVC#	-	1	N0	M1S1	4.5	4.5	-	101
	1.6	1.29	-	-	0	7	7	50	50	50	FKM			1	N0	M3J5	4.5	4.5	-	

Aluminium alloy body/Sub-base mounting

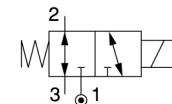
Normally open



SB	1.2	0.72	-	-	0	8.75	8.75	50	50	50	FKM	3139BJA7EVC#	-	1	N0	M1S1	4.5	4.5	-	101
	1.2	0.72	-	-	0	8.75	8.75	50	50	50	FKM			1	N0	M3J5	4.5	4.5	-	
	1.6	1.29	-	-	0	7	7	50	50	50	FKM	3139BJA7GVC#	-	1	N0	M1S1	4.5	4.5	-	101
	1.6	1.29	-	-	0	7	7	50	50	50	FKM			1	N0	M3J5	4.5	4.5	-	

Aluminium alloy body/Sub-base mounting

Universal



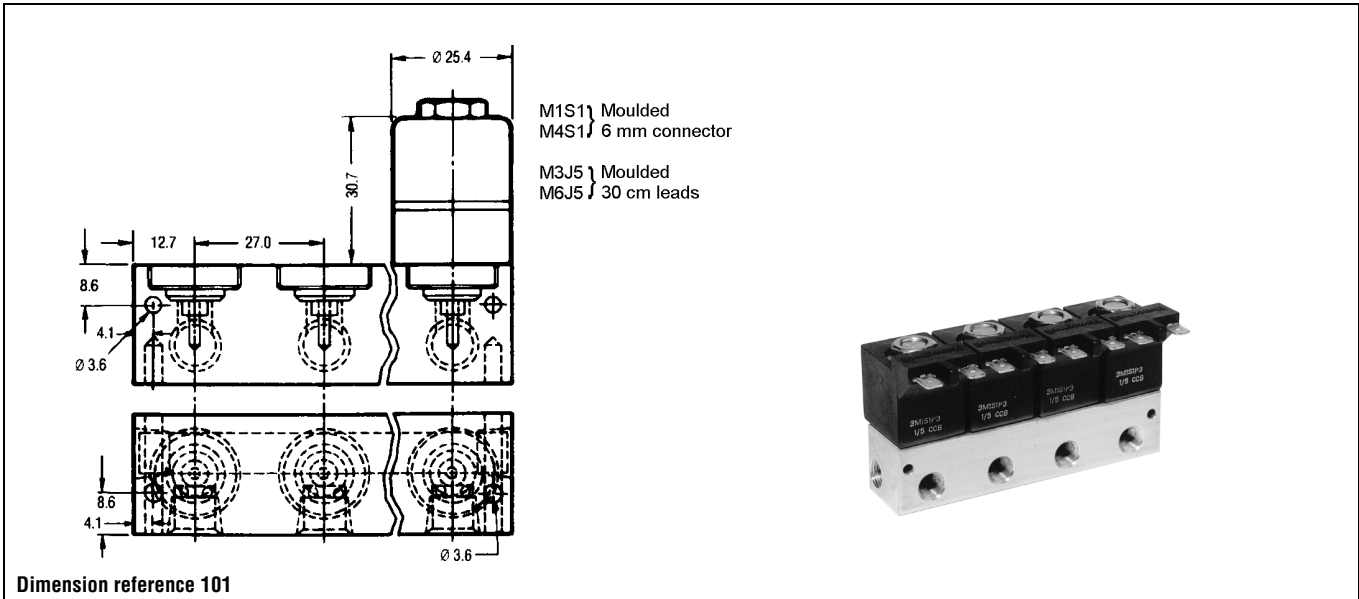
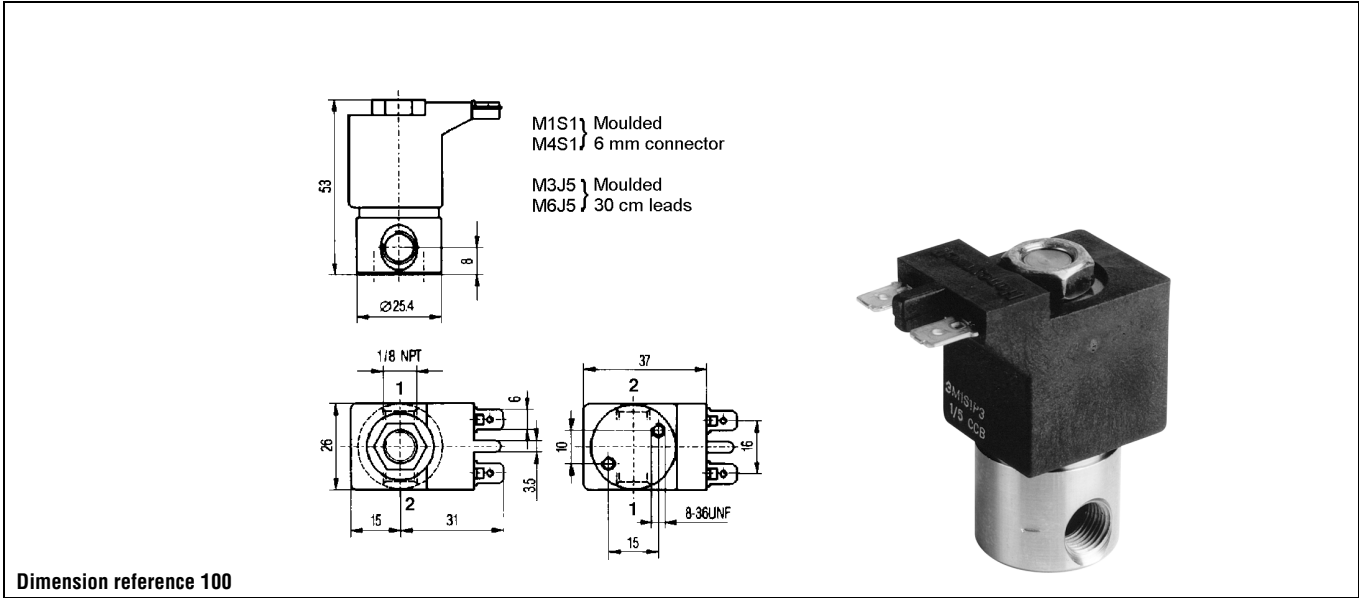
SB	1.2	0.72	-	-	0	7	7	50	50	50	FKM	3133BJA7EVC#	-	1	N0	M1S1	4.5	4.5	-	101
	1.2	0.72	-	-	0	7	7	50	50	50	FKM			1	N0	M3J5	4.5	4.5	-	
	1.2	0.72	-	-	0	4.2	4.2	50	50	50	FKM	3933BJA7EVC#	-	1	N0	M4S1	2.5	2.5	-	101
	1.2	0.72	-	-	0	4.2	4.2	50	50	50	FKM			1	N0	M6J5	2.5	2.5	-	
	1.6	1.29	-	-	0	5.6	5.6	50	50	50	FKM	3133BJA7GVC#	-	1	N0	M1S1	4.5	4.5	-	101
	1.6	1.29	-	-	0	5.6	5.6	50	50	50	FKM			1	N0	M3J5	4.5	4.5	-	

Table continued on page 172

Notes:

1. # Denotes the number of valves in the manifold, from 2 to 4

Miniature valves 3/2 - Direct operated

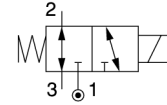


Miniature valves 3/2 - Direct operated

Port size	Orifice (mm)	Flow factors (L/min)			Admissible differential pressure bar			Fluid temp. °C			Seat disc	Reference numbers				Power consumption (W)	Wt. (g)	Dim ref.
		Liquids		Gases	Min	Max		Gas	Liquid	Oil		Global valve reference	Valve reference	Housing	Coil	DC	AC	
G		kv	Qmax	Qn		DC	AC											

Aluminium alloy body/Sub-base mounting

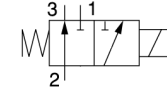
Universal



SB	1.6	1.29	-	-	0	1.4	1.4	50	50	50	FKM	3933BJA7GVC#	-	1	N0	M4S1	2.5	2.5	-	101
	1.6	1.29	-	-	0	1.4	1.4	50	50	50	FKM			1	N0	M6J5	2.5	2.5	-	

Aluminium alloy body/Sub-base mounting

Diverting



SB	1.2	0.72	-	-	0	11.2	11.2	50	50	50	FKM	3138BJA7EVC#	-	1	N0	M1S1	4.5	4.5	-	101
	1.2	0.72	-	-	0	11.2	11.2	50	50	50	FKM			1	N0	M3J5	4.5	4.5	-	
	1.6	1.29	-	-	0	8.4	8.4	50	50	50	FKM	3138BJA7GVC#	-	1	N0	M1S1	4.5	4.5	-	101
	1.6	1.29	-	-	0	8.4	8.4	50	50	50	FKM			1	N0	M3J5	4.5	4.5	-	

Notes:

1. # Denotes the number of valves in the manifold, from 2 to 4

Miniature valves 3/2 - Direct operated

