



2.1 Solenoid Valves VMDB

The VMDB solenoid valve is a universal directional control valve with a comprehensive valve function.



Summary

The VMDB solenoid valve is a universal directional control valve with a comprehensive valve function.

Product features

- Piston spool with sealing ring, reliable, robust valve with a long service life
- It has a variety of valve functions, can meet a variety of application needs
- Operating voltage can be easily altered by changing the solenoid coil
- Flow rate up to 2300 l/min

Product range overview

VMDB-L- which can be used without pneumatic coupling. All gas interfaces are located on the valve and can be connector / filled with gas pipe.

VMDB-L									
Size	Working port	Valve function and flow rate [l/min]							
		23R	23U	25M	25B	35C	35P	35E	
20	G1/8	700	700	700	700	700	600	600	
25	G1/4	1000	1000	1300	1300	1200	1000	1000	
30	G3/8	2300	2300	2300	2300	2000	1600	1600	

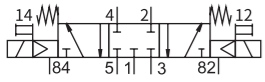
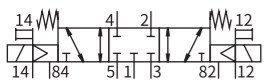
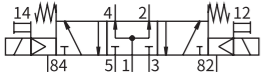
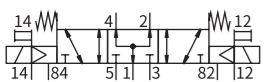
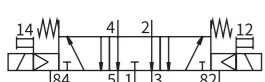

Overview of valve functions

Valve	Order code for valves	Description	VMDB-L		
			Size		
			20	25	30
3/2-way valve, normally closed, pneumatic spring					
	23R-A	Internal pilot air supply, not reversible	■	■	■
		External pilot air supply, reversible	■	■	■
3/2-way valve, normally closed, pneumatic/mechanical spring					
	23R-M	<ul style="list-style-type: none"> • Internal pilot air supply, not reversible • Reset via: mechanical spring, supported internally by pneumatic spring 	■	-	-
		<ul style="list-style-type: none"> • External pilot air supply, reversible • Reset via: mechanical spring, supported internally by pneumatic spring 	■	-	-
3/2-way valve, normally closed, mechanical spring					
	23R-M	Internal pilot air supply, not reversible	-	■	■
		External pilot air supply, reversible	-	■	■

-Overview of valve functions

Valve	Order code for valves	Description	VMDB-L		
			Size		
			20	25	30
3/2-way valve, normally open, pneumatic/mechanical spring					
	23U-A	Internal pilot air supply, not reversible	■	■	■
		External pilot air supply, reversible	■	■	■
3/2-way valve, normally open, pneumatic/mechanical spring					
	23U-M	<ul style="list-style-type: none"> • External pilot air supply, reversible • Reset via: mechanical spring, supported internally by pneumatic spring 	■	-	-
		<ul style="list-style-type: none"> • External pilot air supply, reversible • Reset via: mechanical spring, supported internally by pneumatic spring 	■	-	-
3/2-way valve, normally open, mechanical spring					
	23U-M	Internal pilot air supply, not reversible	-	■	■
		External pilot air supply, reversible	-	■	■
5/2-way valve, pneumatic spring					
	25M-A	Internal pilot air supply, not reversible	■	■	■
		External pilot air supply, reversible	■	■	■
5/2-way valve, mechanical spring					
	25M-M	<ul style="list-style-type: none"> • External pilot air supply, reversible • Reset via: mechanical spring, supported internally by pneumatic spring 	■	■	■
		External pilot air supply, reversible	■	■	■
5/2-way valve					
	25B	Internal pilot air supply, not reversible	■	■	■
		External pilot air supply, reversible	■	■	■

-Overview of valve functions

Valve	Order code for valves	Description	VMDB-L		
			Size		
			20	25	30
5/3-way valve, mechanical spring, closed					
	35C	Internal pilot air supply, not reversible	■	■	■
		External pilot air supply, reversible	■	■	■
5/3-way valve, mechanical spring, pressured					
	35P	Internal pilot air supply, not reversible	■	■	■
		External pilot air supply, reversible	■	■	■
5/3-way valve, mechanical spring, exhausted					
	35E	Internal pilot air supply, not reversible	■	■	■
		External pilot air supply, reversible	■	■	■

Type codes

VMDB	-L	20	-23R	-A	Z	G18	Q6	U	5				
Valve	①	②	③	④	⑤	⑥	⑦	⑧	⑨				
①	-valve type: L=In-line valve												
②	Size: 20;25;30												
③	-Valve function	23R	3/2-way valve, normally closed			25M	Single solenoid		35C	Mid-position closed			
		23U	3/2-way valve, normally open			25B	Double solenoid		35P	Mid-position pressured			
									35E	Mid-position exhausted			
④	-Reset method	A	Pneumatic spring			M	Mechanical spring						
⑤	Pilot type	None	Internal pilot			Z	External pilot						
⑥	Pneumatic connection	G18	G1/8			G14	G1/4		G38	G3/8			
		Q4	4mm	Q6	6mm	Q8	8mm	Q10	10mm	Q12	12mm	None	Without
⑧	Exhaust	U	Muffler			No fitting		J	With fitting				
⑨	Nominal operation voltage	3	AC110V		4	AC220V		5	DC24V		6	DC12V	

Solenoid valves VMDB-L, size 20

General technical data								
Valve function	3/2-way valve		5/2-way valve		5/3-way valve			
Order code for valves	23R	23U	25M	25B	35C	35P	35E	
Valve width [mm]	21							
Diameter [mm]	5.7				5	4.8	4.5	
Design	Piston spool							
Flow direction	Non-reversible							
Pilot air supply	Internal or External							
Type of control	Piloted							
Manual override	Button type							
Overlap	Positive overlap							
Sealing principle	Soft							
Type of mounting	Optionally via through-hole							
Standard nominal flow rate qnN [L/min]	700	700	700	700	600			
Actuation type	Electric							
Mounting position	Any							
Exhaust air function	Can be throttled							
Pneumatic connection	1, 2, 3	G1/8	G1/8	G1/8	G1/8	G1/8	G1/8	G1/8
	4, 5	-	-	G1/8	G1/8	G1/8	G1/8	G1/8
Pilot air Air mouth 12/14	M5							
Pilot exhaust port 82/84	M5							

Technical parameters-3/2 valve Order code for valves		23R		23U	
Normal position	Closed		Open		
Stable position	Monostable		Monostable		
Reset method	Pneumatic spring		Mechanical spring		
	Pneumatic spring		Mechanical spring		
Switching times in [ms]	On	14	14	14	15
	Off	21	32	21	28
	Change over	-	-	-	-

Technical data -5/2-way valves Order code for valves		25 M		25B	
Normal position	-		-		
Stable position	Monostable		Bistable		
Reset method	Pneumatic spring		Mechanical spring		
	Pneumatic spring		Mechanical spring		
Switching times in [ms]	On	20	12	-	
	Off	29	44	-	
	Change over	-	-	10	

Technical data - 5/3-way valves Order code for valves		35C		35P		35E	
Normal position	Closed		Pressured		Exhausted		
Stable position	Monostable						
Reset method	Mechanical spring						
Switching times in [ms]	On	13	13	13			
	Off	42	42	44			
	Change over	24	21	24			

-Solenoid valves VMDB-L, size 20

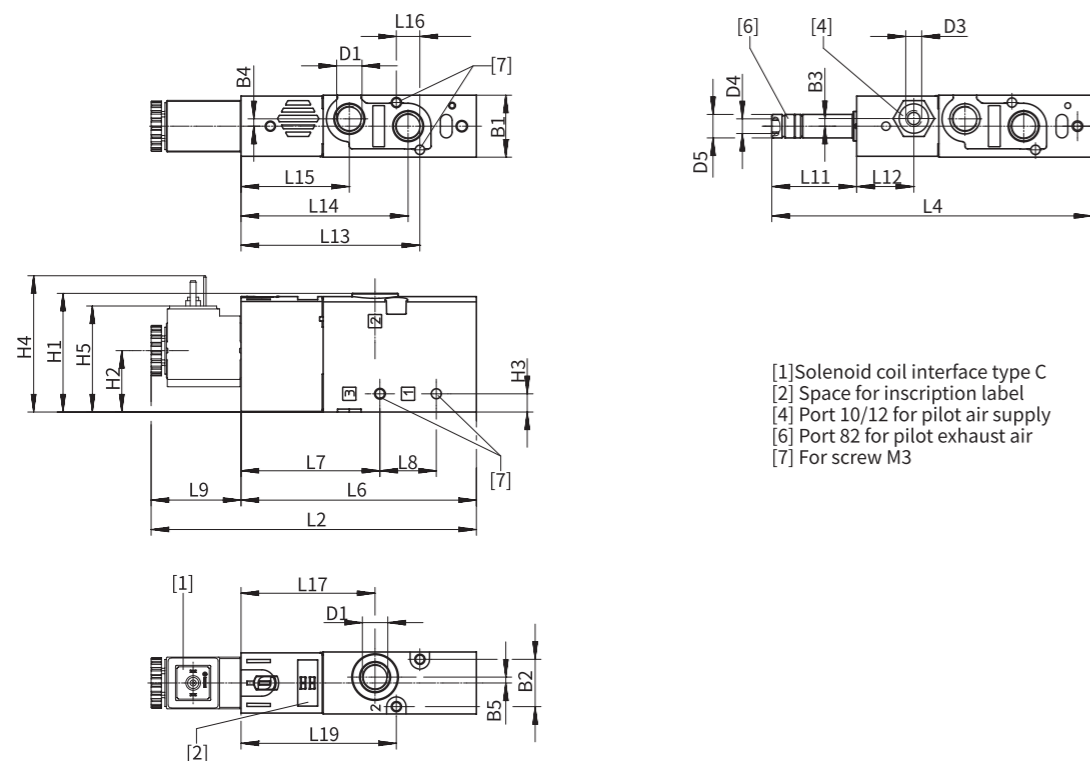
Safety data	
Max. positive test pulse with logic 0 [ts]	1900 (valves with coil)
Max. negative test pulse with logic 1 [ts]	2700 (valves with coil)
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6

Operating and environmental conditions				
Order code for valves	23R/U	25M	25B	35/C/P/E
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]			
Operating pressure bar	Internal pilot	2.5 ... 10	1.5 ... 10	2.5 ... 10
	External pilot	-0.9 ... +10		
Pilot pressure bar	2.5 ... 10	1.5 ... 10	2.5 ... 10	
Ambient temperature°C	- 10 ... +60			
Temperature of medium°C	-10 ... +60			

Electrical data		
Electrical connection	Through the interface plug-in	
Operating voltage	[V DC]	12,24 ±10%
	[V AC]	110,220 ±10%
Power	[W]	2.6
Duty cycle	[%]	100
Degree of protection to EN 60529	IP65 with plug socket	

Materials	
Housing	Wrought aluminium alloy
Seals	HNBR, NBR
Piston spool	Wrought aluminium alloy
Screws	Galvanised steel

Dimensions-3/2-way valves



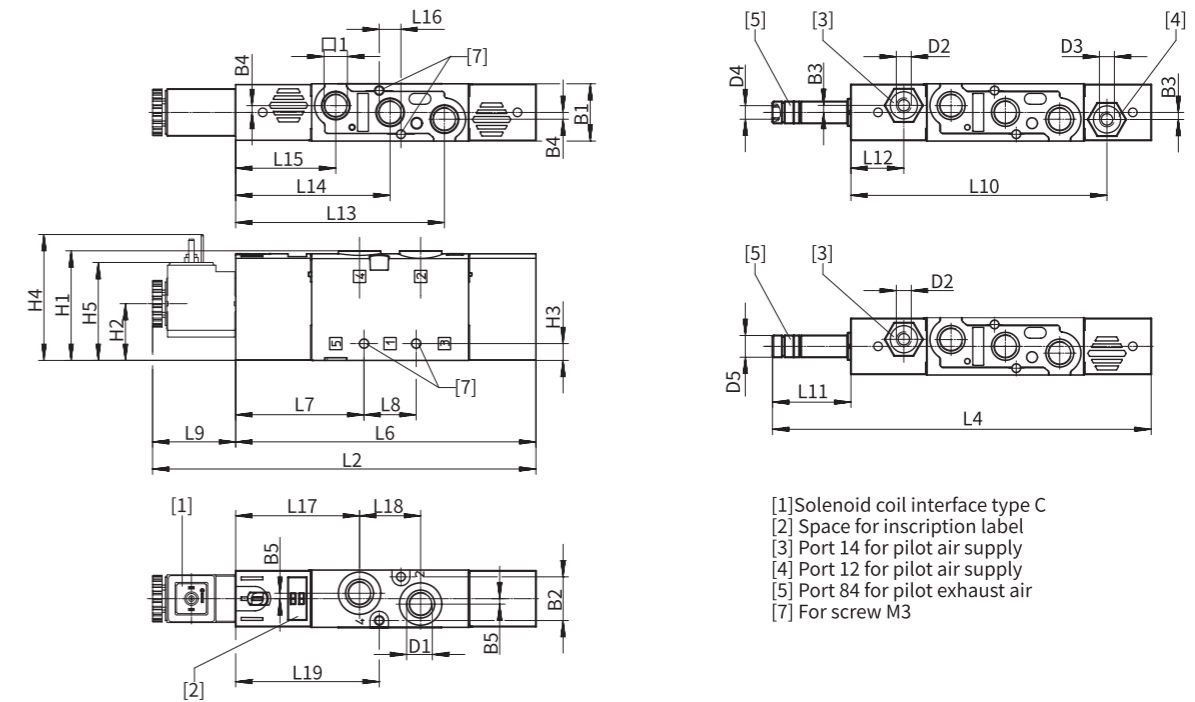
-Solenoid valves VMDB-L, size 20

-Dimensions-3/2-way valves

Type	B1	B2	B3	B4	B5	D1	D3	D4	D5φ	H1	H2	H3	H4	H5
VMDB-L20-23...-G18-...	21.1	16.1	-	2.5	2	G1/8	-	M5	8	40	20.9	6.2	46.7	36.4
VMDB-L20-23...-Z-G18-...			2.6				M5							

Type	L2	L4	L6	L7	L8	L9	L11	L12	L13	L14	L15	L16	L17	L19
VMDB-L20-23...-G18-...	110.7	109.1	80.1	47.3	19.2	30.6	29	-	60.9	56.9	36.9	8	45.6	52.9
VMDB-L20-23...-Z-G18-...								19.5						

Dimensions-5/2-way single solenoid valves

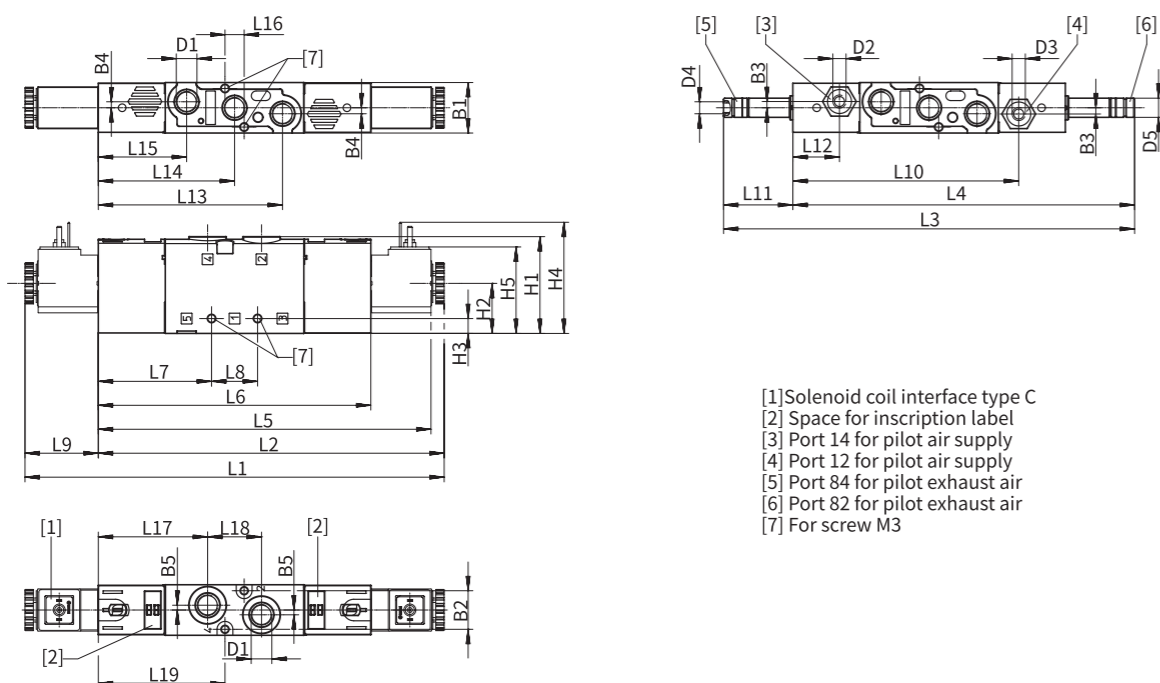


Type	B1	B2	B3	B4	B5	D1	D2	D3	D4	D5 φ	H1	H2	H3	H4	H5
VMDB-L20-25M...-G18-...	21.1	16.1	-	2.5	2	G1/8	-	-	M5	8	40.4	20.9	6.2	46.7	36.4
VMDB-L20-25M...-Z-G18-...			2.6				M5	M5							

Type	L2	L4	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19
VMDB-L20-25M...-G18-...	141.2	139.6	110.6	47.3	19.2	30.6	-	29	-	76.9	56.9	36.9	8	45.6	22.5	52.9
VMDB-L20-25M...-Z-G18-...							94.3		19.5							

Solenoid valves VMDB-L, size 20

Dimensions-5/3-way and 5/2-way double solenoid valves



Type	B1	B2	B3	B4	B5	D1	D2	D3	D4	D5φ	H1	H2	H3	H4	H5
VMDB-L20-35...-M-G18-...	21.1	16.1	-	2.5	2	G1/8	-	-	M5	8	40.4	20.9	6.2	46.7	36.4
VMDB-L20-35...-MZ-G18-...			2.6				M5	M5							
VMDB-L20-25B--G18-...			-				-	-							
VMDB-L20-25B-Z-G18-...			2.6				M5	M5							

Type	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11
VMDB-L20-35...-M-G18-...	174.9	144.3	171.7	142.7	139.1	113.7	47.3	19.2	30.6	-	29
VMDB-L20-35...-MZ-G18-...										94.3	
VMDB-L20-25B--G18-...										-	
VMDB-L20-25B-Z-G18-...										94.3	

Type	L12	L13	L14	L15	L16	L17	L18	L19
VMDB-L20-35...-M-G18-...	-	76.9	56.9	36.9	8	45.6	22.5	52.9
VMDB-L20-35...-MZ-G18-...	19.5							
VMDB-L20-25B--G18-...	-							
VMDB-L20-25B-Z-G18-...	19.5							

Solenoid valves VMDB-L, size 25

General technical data								
Valve function	3/2-way valve		5/2-way valve		5/3-way valve			
Order code for valves	23R	23U	25M	25B	35C	35P	35E	
Valve width [mm]	26.5							
Nominal width Diameter [mm]	6.3		6.9		6.5		6.3	
Design	Piston spool							
Flow direction	Non-reversible							
Pilot air supply	Internal or External							
Type of control	Piloted							
Manual override	Button type							
Overlap	Positive overlap							
Sealing principle	Soft							
Type of mounting	Optionally via through-hole							
Standard nominal flow rate q _N [L/min]	1000		1300		1300		1200	
Actuation type	Electric							
Mounting position	Any							
Exhaust air function	Can be throttled							
Pneumatic connection	1, 2, 3	G1/4	G1/4	G1/4	G1/4	G1/4	G1/4	G1/4
	4, 5	-	-	G1/4	G1/4	G1/4	G1/4	G1/4
Pilot air Air mouth 12/14	M5							
Pilot exhaust port 82/84	M5							

Technical data – 3/2-way valves				
Order code for valves	23R		23U	
Normal position	Closed		Open	
Stable position	Monostable		Monostable	
Reset method	Pneumatic spring		Mechanical spring	
Switching times in [ms]	On	13	11	12
	Off	26	40	26
	Change over	-	-	-

Technical data – 5/2-way valves				
Order code for valves	25 M		25B	
Normal position	-		-	
Stable position	Monostable		Bistable	
Reset method	Pneumatic spring		Mechanical spring	
Switching times in [ms]	On	19	12	-
	Off	35	47	-
	Change over	-	-	11

Technical data – 5/3-way valves			
Order code for valves	35C	35P	35E
Normal position	Closed	Pressured	Exhausted
Stable position	Monostable		
Reset method	Mechanical spring		
Switching times in [ms]	On	13	14
	Off	42	48
	Change over	26	25

-Solenoid valves VMDB-L, size 25

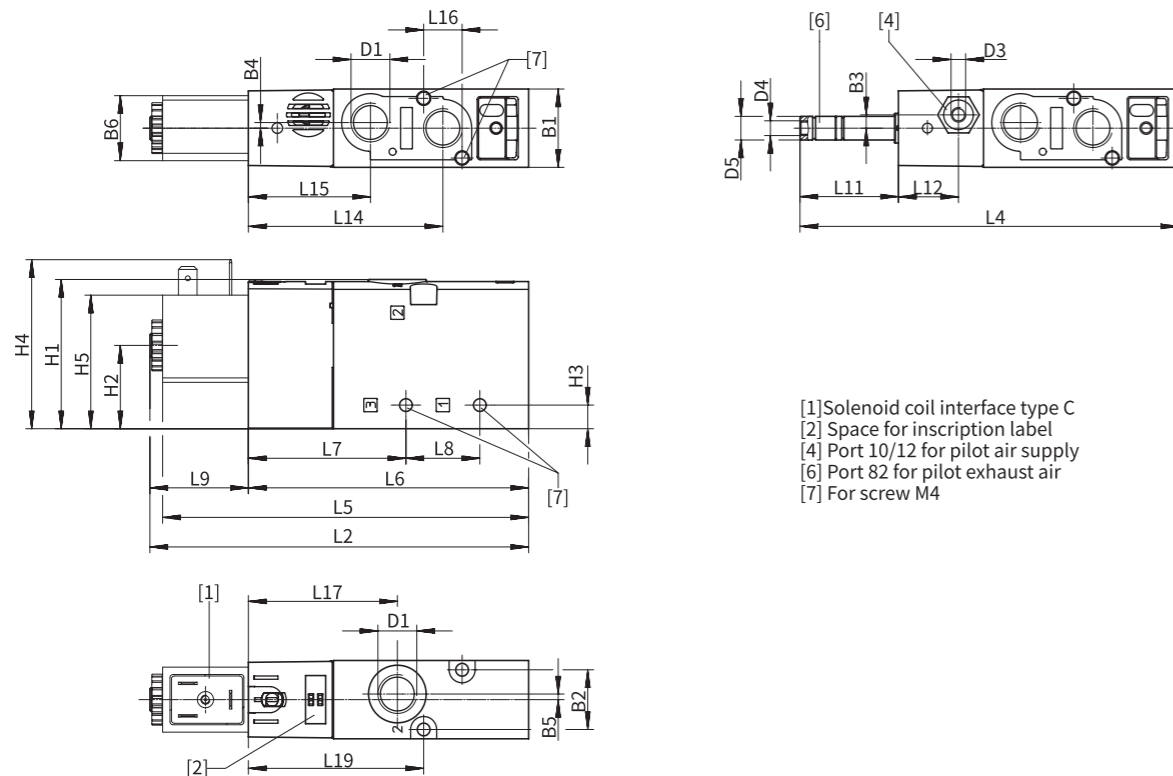
Safety data	
Max. positive test pulse with logic 0 [is]	2000 (valves with coil)
Max. negative test pulse with logic 1 [is]	3600 (valves with coil)
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6

Operating and environmental conditions				
Order code for valves	23R/U	25M	25B	35/C/P/E
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]			
Operating pressure bar	Internal pilot	2.5 ... 10	1.5 ... 10	2.5 ... 10
	External pilot	-0.9 ... +10		
Pilot pressure bar	2.5 ... 10	1.5 ... 10	2.5 ... 10	
Ambient temperature°C	- 10 ... +60			
Temperature of medium°C	-10 ... +60			

Electrical data		
Electrical connection	Through the interface plug-in	
Operating voltage	[V DC]	12,24 ±10%
	[V AC]	110,220 ±10%
Power	[W]	3.3
Duty cycle	[%]	100
Degree of protection to EN 60529	IP65 with plug socket	

Materials	
Housing	Die-cast aluminium
Seals	HNBR, NBR
Piston spool	Wrought aluminium alloy
Screws	Galvanised steel

Dimensions-3/2-way valves



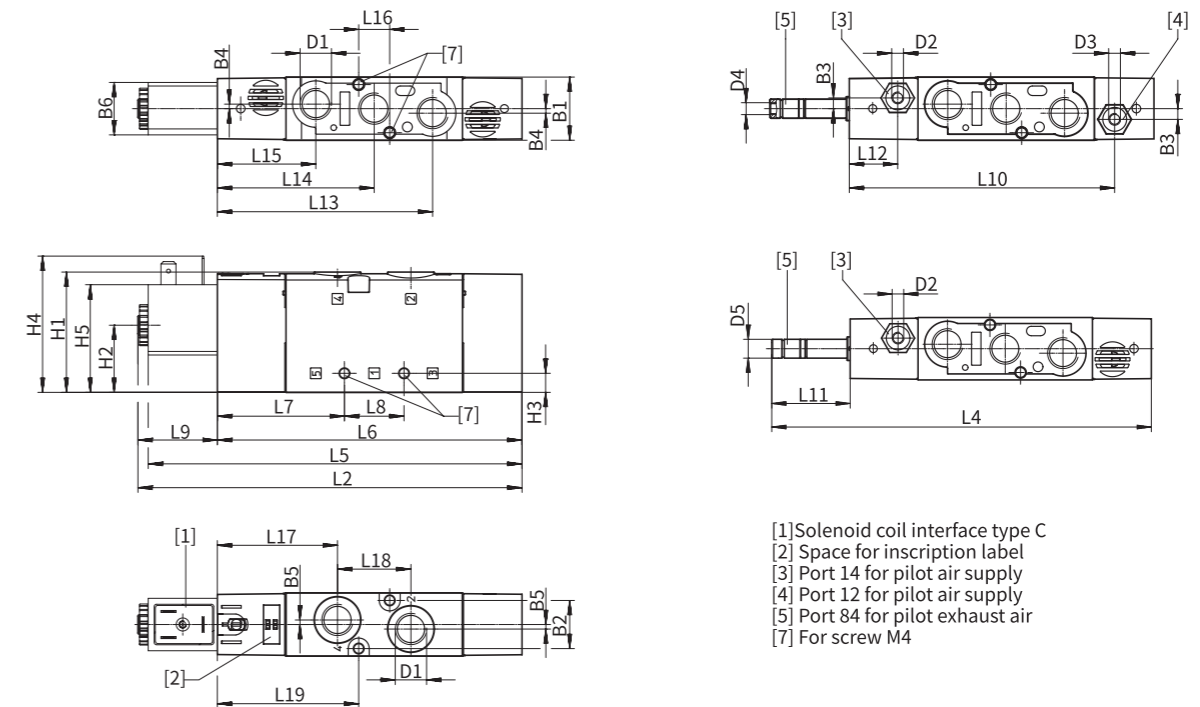
-Solenoid valves VMDB-L, size 25

-Dimensions-3/2-way valves

Type	B1	B2	B3	B4	B5	B6	D1	D3	D4	D5φ	H1	H2	H3	H4	H5
VMDB-L25-23...-G14-...	26.5	20.2	-	1.9	1.9	22	G1/4	-	M5	8	50.5	28.2	8	57.2	45.2
VMDB-L25-23...-Z-G14-...			4.5					M5							

Type	L2	L4	L5	L6	L7	L8	L9	L11	L12	L14	L15	L16	L17	L19
VMDB-L25-23...-G14-...	129.2	128.1	123.8	94.8	53.3	25	34.4	33.3	-	65.8	41.3	13	50.4	59.3
VMDB-L25-23...-Z-G14-...									20.3					

Dimensions-5/2-way single solenoid valves



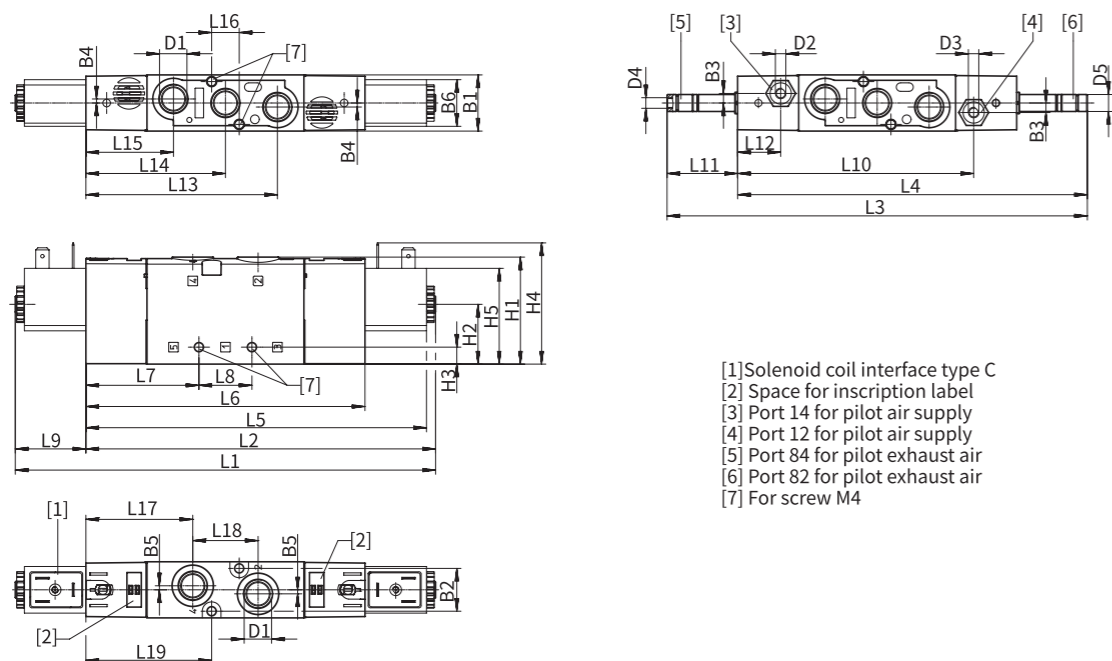
Type	B1	B2	B3	B4	B5	B6	D1	D2	D3	D4	D5φ	H1	H2	H3	H4	H5
VMDB-L25-25M...-G14-...	26.5	20.2	-	1.9	1.9	22	G1/4	-	-	M5	8	50.5	28.2	8	57.2	45.2
VMDB-L25-25M...-Z-G14-...			4.5					M5	M5							

Type	L2	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16
VMDB-L25-25M...-G14-...	162.2	161.1	156.8	127.8	53.3	25	34.4	-	33.3	-	90.3	65.8	41.3	13
VMDB-L25-25M...-Z-G14-...								111.3		20.3				

Type	L17	L18	L19
VMDB-L25-25M...-G14-...	50.4	30.8	59.3
VMDB-L25-25M...-Z-G14-...			

Solenoid valves VMDB-L, size 25

Dimensions-5/3-way and 5/2-way double solenoid valves



- [1] Solenoid coil interface type C
- [2] Space for inscription label
- [3] Port 14 for pilot air supply
- [4] Port 12 for pilot air supply
- [5] Port 84 for pilot exhaust air
- [6] Port 82 for pilot exhaust air
- [7] For screw M4

Type	B1	B2	B3	B4	B5	B6	D1	D2	D3	D4	D5φ	H1
VMDB-L25-35...-M-G14-...	26.5	20.2	-	1.9	1.9	22	G1/4	-	-	M5	8	50.5
VMDB-L25-35...-MZ-G14-...			4.5					M5	M5			
VMDB-L25-25B--G14-...			-					-	-			
VMDB-L25-25B-Z-G14-...			4.5					M5	M5			

Type	H2	H3	H4	H5	L1	L2	L3	L4	L5	L6	L7	L8
VMDB-L25-35...-M-G14-...	28.2	8	57.2	45.2	200.3	166	198.2	164.9	160.6	131.6	53.3	25
VMDB-L25-35...-MZ-G14-...												
VMDB-L25-25B--G14-...												
VMDB-L25-25B-Z-G14-...												

Type	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19
VMDB-L25-35...-M-G14-...	33.3	-	33.3	-	90.3	65.8	41.3	13	50.4	30.8	59.3
VMDB-L25-35...-MZ-G14-...		111.3		20.3							
VMDB-L25-25B--G14-...		-		-							
VMDB-L25-25B-Z-G14-...		111.3		20.3							

Solenoid valves VMDB-L, size 30

General technical data							
Valve function	3/2-way valve		5/2-way valve		5/3-way valve		
Order code for valves	23R	23U	25M	25B	35C	35P	35E
Valve width [mm]	31						
Nominal width Diameter [mm]	9.4		9.4		8.9	8.1	
Design	Piston spool						
Flow direction	Non-reversible						
Pilot air supply	Internal or External						
Type of control	Piloted						
Manual override	Button type						
Overlap	Positive overlap						
Sealing principle	Soft						
Type of mounting	Optionally via through-hole or on manifold rail						
Standard nominal flow rate qn [L/min]	2300		2300	2300	2000	1600	
Actuation type	Electric						
Mounting position	Any						
Exhaust air function	Can be throttled						
Pneumatic connection	1, 2, 3	G3/8	G3/8	G3/8	G3/8	G3/8	G3/8
	4, 5	-	-	G3/8	G3/8	G3/8	G3/8
Pilot air Air mouth 12/14	G1/8						
Pilot exhaust port 82/84	M5						

Technical data - 3/2-way valves				
Order code for valves		23R		23U
Normal position		Closed		Open
Stable position		Monostable		Monostable
Reset method		Pneumatic spring	Mechanical spring	Pneumatic spring
Switching times in [ms]	On	19	16	19
	Off	36	58	37
	Change over	-	-	-

Technical data - 5/2-way valves				
Order code for valves		M25		B25
Normal position		-		-
Stable position		Monostable		Bistable
Reset method		Pneumatic spring	Mechanical spring	-
Switching times in [ms]	On	24	17	-
	Off	49	62	-
	Change over	-	-	13

Technical data - 5/3-way valves					
Order code for valves		35C		35P	35E
Normal position		Closed		Pressured	Exhausted
Stable position		Monostable			
Reset method		Mechanical spring			
Switching times in [ms]	On	17	18	20	
	Off	76	75	74	
	Change over	39	31	36	

-Solenoid valves VMDB-L, size 30

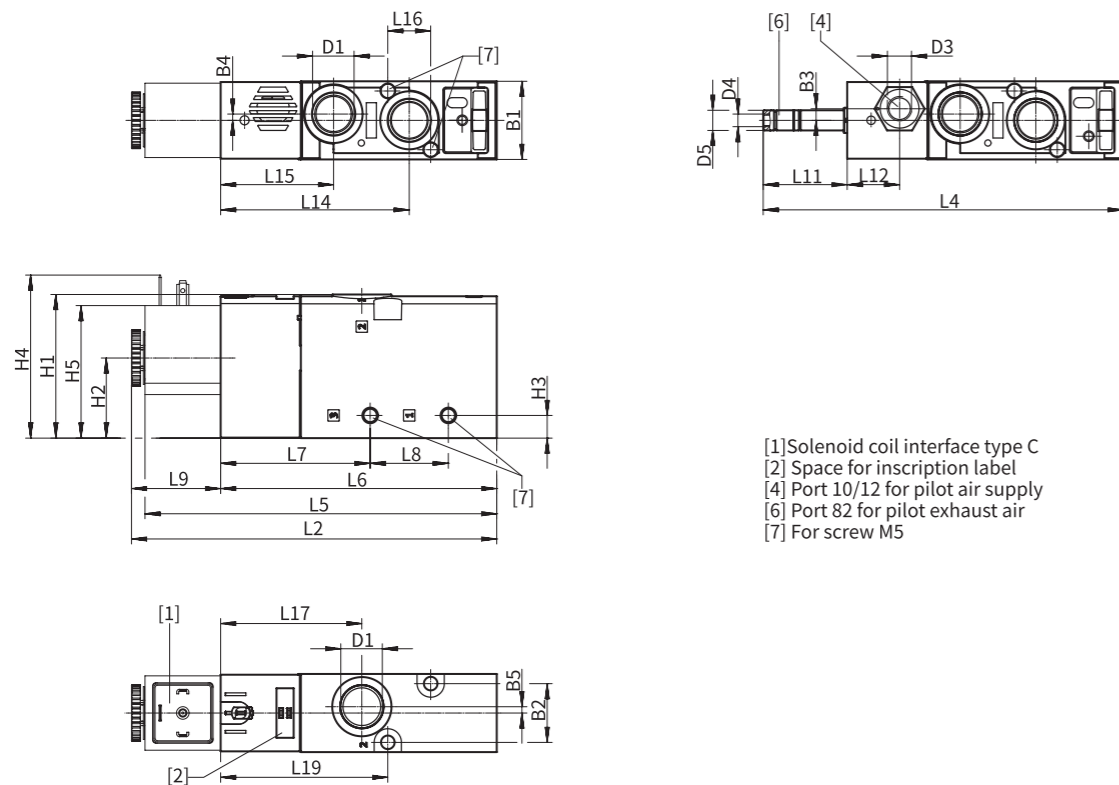
Safety data	
Max. positive test pulse with logic 0 [ts]	2000 (valves with coil)
Max. negative test pulse with logic 1 [ts]	3600 (valves with coil)
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6

Operating and environmental conditions				
Order code for valves	23R/U	25M	25B	35/C/P/E
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]			
Operating pressure bar	Internal pilot	2.5 ... 10	1.5 ... 10	2.5 ... 10
	External pilot	-0.9 ... +10		
Pilot pressure bar	2.5 ... 10	1.5 ... 10	2.5 ... 10	
Ambient temperature°C	- 10 ... +60			
Temperature of medium°C	-10 ... +60			

Electrical data		
Electrical connection	Through the interface plug-in	
Operating voltage	[V DC]	12,24 ±10%
	[V AC]	110,220±10%
Power	[W]	3.3
Duty cycle	[%]	100
Degree of protection to EN 60529	IP65 with plug socket	

Materials	
Housing	Die-cast aluminium
Seals	HNBR, NBR
Piston spool	Wrought aluminium alloy
Screws	Galvanised steel

Dimensions-3/2-way valves



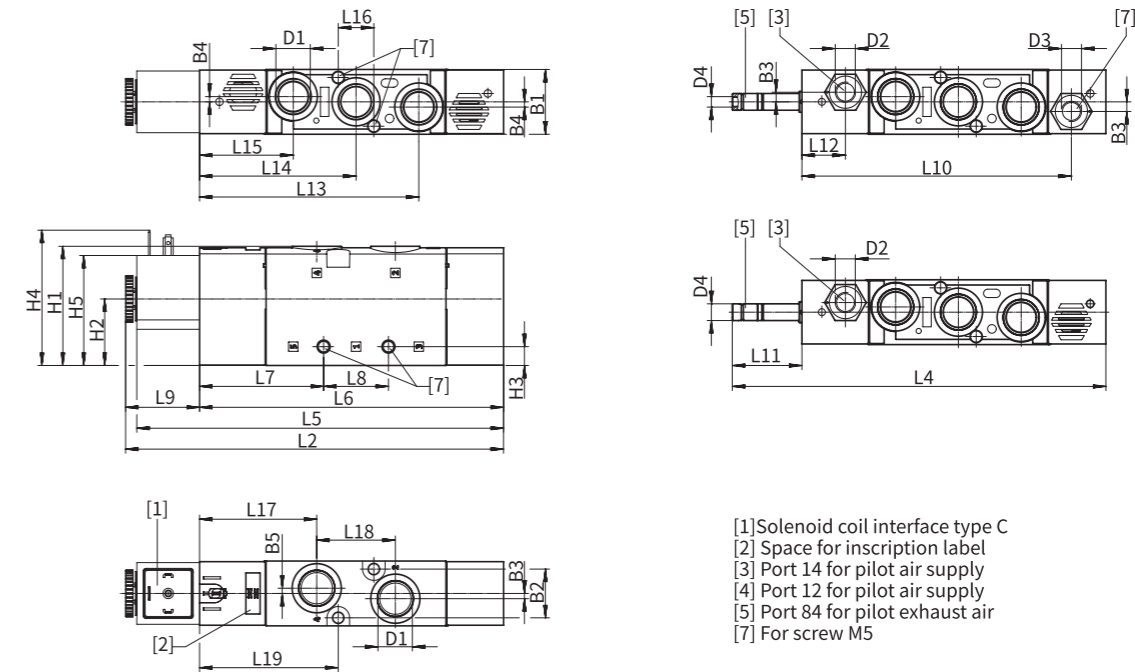
-Solenoid valves VMDB-L, size 30

-Dimensions-3/2-way valves

Type	B1	B2	B3	B4	B5	D1	D3	D4	D5φ	H1	H2	H3	H4	H5
VMDB-L30-23...-G38-...	31	23.3	-	2.5	2.5	G3/8	-	M5	8	57	31.8	9	63.7	51.6
VMDB-L30-23...-Z-G38-...			4.6				G1/8							

Type	L2	L4	L5	L6	L7	L8	L9	L11	L12	L14	L15	L16	L17	L19
VMDB-L30-23...-G38-...	144.9	142.8	139.5	109.5	59.3	31	35.4	33.3	-	74.8	44.8	17	56	66.3
VMDB-L30-23...-Z-G38-...									20.8					

Dimensions-5/2-way single solenoid valves



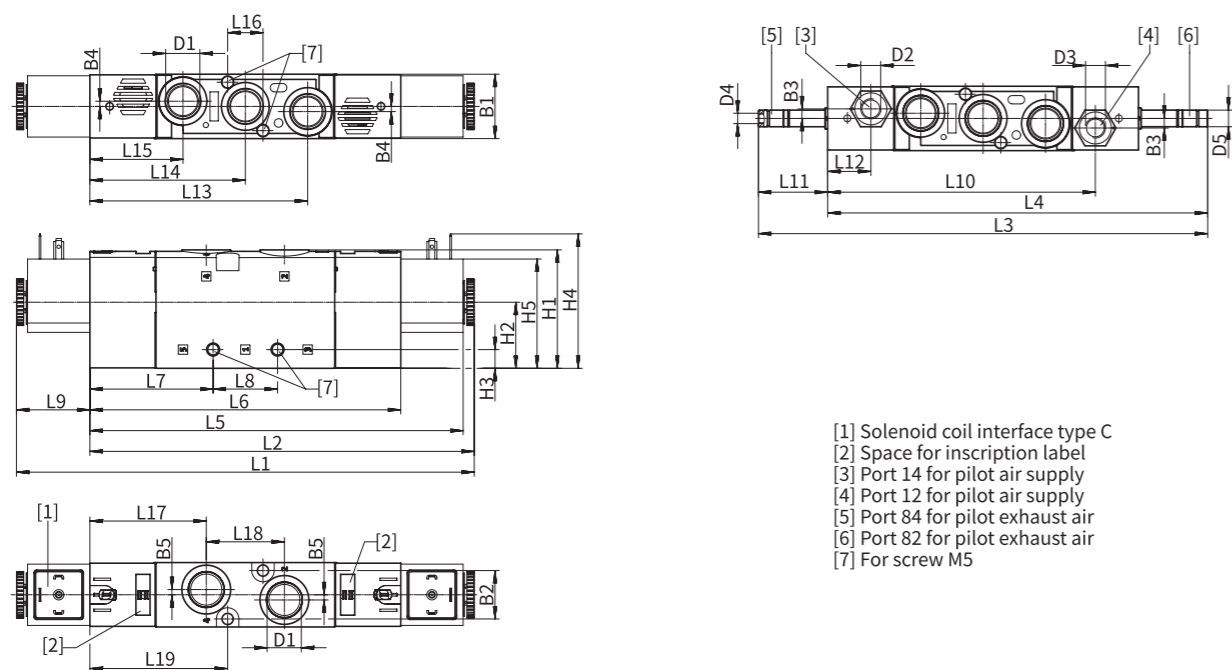
Type	B1	B2	B3	B4	B5	D1	D2	D3	D4	D5φ	H1	H2	H3	H4	H5
VMDB-L30-25M...-G38-...	31	23.3	-	2.5	2.5	G3/8	-	-	M5	8	57	31.8	9	63.7	51.6
VMDB-L30-25M...-Z-G38-...			4.6				G1/8	G1/8							

Type	L2	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16
VMDB-L30-25M...-G38-...	180.7	178.6	179.6	145.3	59.3	31	35.4	-	33.3	-	104.8	74.8	44.8	17
VMDB-L30-25M...-Z-G38-...								128.8		20.8				

Type	L17	L18	L19
VMDB-L30-25M...-G38-...	56	37.6	66.3
VMDB-L30-25M...-Z-G38-...			

Solenoid valves VMDB-L, size 30

Dimensions-5/3-way and 5/2-way double solenoid valves



Type	B1	B2	B3	B4	B5	D1	D2	D3	D4	D5φ	H1	H2	H3	H4	H5
VMDB-L30-35...-M-G38-...	31	23.3	-	2.5	2.5	G3/8	-	-	M5	8	57	31.8	9	63.7	51.6
VMDB-L30-35...-MZ-G38-...			4.6				G1/8	G1/8							
VMDB-L30-25B--G38-...			-				-	-							
VMDB-L30-25B-Z-G38-...			4.6				G1/8	G1/8							

Type	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10
VMDB-L30-35...-M-G38-...	220.3	185	216.2	182.9	179.6	149.6	59.3	31	35.4	-
VMDB-L30-35...-MZ-G38-...										128.8
VMDB-L30-25B--G38-...										-
VMDB-L30-25B-Z-G38-...										128.8

Type	L11	L12	L13	L14	L15	L16	L17	L18	L19
VMDB-L30-35...-M-G38-...	33.3	-	104.8	74.8	44.8	17	56	37.6	66.3
VMDB-L30-35...-MZ-G38-...		20.8							
VMDB-L30-25B--G38-...		-							
VMDB-L30-25B-Z-G38-...		20.8							

Accessories

Core product range				
	Code	Valve function	Size	Type
3/2-way valve with solenoid coil (24 V DC)				
	Single solenoid, normally closed, type C			
	23R-A	Reset via pneumatic spring, Internal pilot air supply, Flow direction not reversible	20	VMDB-L20-23R-A-G18
			25	VMDB-L25-23R-A-G14
			30	VMDB-L30-23R-A-G38
	23R-M	Reset via mechanical spring, Internal pilot air supply, Flow direction not reversible	20	VMDB-L20-23R-M-G18
			25	VMDB-L25-23R-M-G14
30			VMDB-L30-23R-M-G38	
5/2-way valve with solenoid coil (24 V DC)				
	Single solenoid, normally closed, type C			
	25M-A	Reset via pneumatic spring, Internal pilot air supply, Flow direction not reversible	20	VMDB-L20-25M-A-G18
			25	VMDB-L25-25M-A-G14
			30	VMDB-L30-25M-A-G38
	25M-M	Reset via mechanical spring, Internal pilot air supply, Flow direction not reversible	20	VMDB-L20-25M-M-G18
			25	VMDB-L25-25M-M-G14
30			VMDB-L30-25M-M-G38	
	Double solenoid, type C			
	25B	Internal pilot air supply, Flow direction not reversible	20	VMDB-L20-25B-G18
			25	VMDB-L25-25B-G14
30			VMDB-L30-25B-G38	
5/3-way valve with solenoid coil (24 V DC)				
	Mid-position closed, type C			
	35C	Reset via mechanical spring, Internal pilot air supply, Flow direction not reversible	20	VMDB-L20-35C-M-G18
			25	VMDB-L25-35C-M-G14
30			VMDB-L30-35C-M-G38	

Chinese +86 400 101 8889	Germany +49 (30) 72088-0
American +01 630 995 3674	Japan +81 03 6809 1696



© Without the authorization of Hengli Pneumatic Company, any part of this brochure shall not be reproduced, edited, copied or disseminated electronically in any way. As the product is in constant development and innovation, the information in this brochure is not specific to the special conditions or applicability of a specific industry, and Hengli Pneumatic is not responsible for any incomplete or inaccurate description as generated thereby.