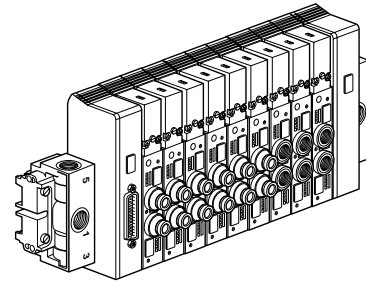


- High flow, compact, light weight
- Push-in or threaded pneumatic connections
- High performance 15 mm solenoid DIN 43 650 C
- 2 x 3/2 - 5/2 - 5/3 functions
- Electrical head connection by Sub D 25 or Industrial Cylindrical Connection
- Surface or DIN rail 35 mm mounting



Dimensions see page 40

Operating information

PVL-B10 valves

Protection level	IP 65
Working Pressure	2 to 10 bar (3 to 10 bar for Monostable)
Storage temperature	-40 °C to +70 °C
Working temperature	-15 °C to +60 °C
Fluids	Air or neutral gas, 50 µm filtered, lubricated or not
Mechanical life with dry air at 6 bar, 20 °C, 1 Hz:	30 million cycles
Duty factor	100 %
Maximum operating frequency	10 Hz bistable
Solenoid voltage	12 to 48 V DC 24 to 115 V AC
Power consumption	1,2 W 1,6 VA Hold 1,2 W 3,5 VA Inrush
Orientation	Any plane
Visualisation	LED indicator
Surge suppression	Diode for DC version Varistor for AC version
Inverting commutation time	12 to 40 ms, according types

Input modules

Protection level	IP65
Voltage and type of output	PNP 24 V CC
Normal current	100 mA
Maxi. available current island	1 A for all the outputs

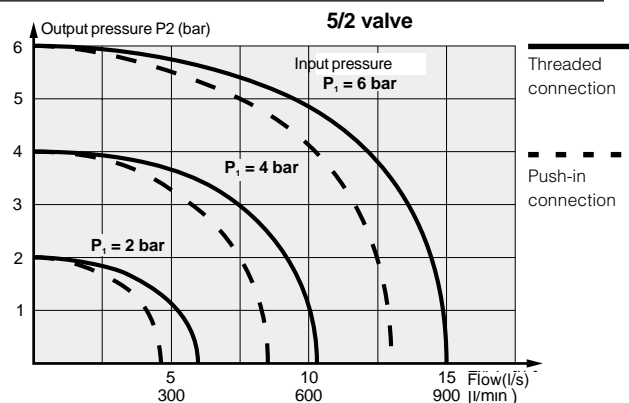
Output modules

Protection level	IP65
Type and output voltage	PNP 24 V CC
Normal current	100 mA
Maxi. available current island	1 A for all the inputs

Additional information

Modules for the DC version are protected against overvoltage up to 300 V. Protections on inductive loads connected to the same source are necessary.

Modules for the AC version are fitted with a DC solenoid are compatible with PLC control card NPN protected.

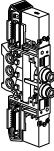
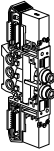
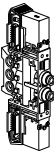


Flow characteristics

	Type 2 x 3/2 G1/8 threaded	Type 2 x 3/2 Push in Ø6 mm	Type 5/2 G1/8 threaded	Type 5/2 Push in Ø6 mm
Qn	7,33 l/s (440 l/min)	5,83 l/s (350 l/min)	9 l/s (540 l/min)	7,5 l/s (450 l/min)
Qmax	12,5 l/s (750 l/min)	10 l/s (600 l/min)	15 l/s (900 l/min)	12,9 l/s (775 l/min)
Cv	0,45	0,36	0,56	0,42
Kv	6,4	5,1	8	6

	Type 5/3 closed centre G1/8 threaded	Type 5/3 closed centre Push in Ø6 mm	Type 5/3 vented centre G1/8 threaded	Type 5/3 vented centre Push in Ø6 mm
Qn	6,16 l/s (370 l/min)	4,83 l/s (290 l/min)	9 l/s (540 l/min)	7,5 l/s (450 l/min)
Qmax	10,83 l/s (650 l/min)	8,33 l/s (500 l/min)	15 l/s (900 l/min)	12,9 l/s (775 l/min)
Cv	0,38	0,29	0,56	0,46
Kv	5,4	4,2	8	6,5

Main data for PVL-B

Symbol	Actuator	Return	Solenoid Pilot	Pneumatic Connection	Weight kg	Voltage	Order code
	Electric double 3/2 NC (2)	Internal air	With	Ø6 G1/8	0,240 0,240	24 VDC 24 VDC	PVL-B10560652B PVL-B10561852B
			Without	Ø6 Ø6 G1/8 G1/8	0,150 0,150 0,150 0,150	DC AC DC AC	PVL-B105606W2 PVL-B105606W1 PVL-B105618W2 PVL-B105618W1
			With	Ø6 G1/8	0,170 0,170	24 VDC 24 VDC	PVL-B10160652B PVL-B10161852B
			Without	Ø6 Ø6 G1/8 G1/8	0,125 0,125 0,125 0,125	DC AC DC AC	PVL-B101606W2 PVL-B101606W1 PVL-B101618W2 PVL-B101618W1
			With	Ø6 G1/8	0,170 0,170	24 VDC 24 VDC	PVL-B10360652B PVL-B10361852B
			Without	Ø6 Ø6 G1/8 G1/8	0,125 0,125 0,125 0,125	DC AC DC DC	PVL-B103606W2 PVL-B103618W2
	Electric 5/2 (1)	Electric	With	Ø6 G1/8	0,240 0,240	24 VDC 24 VDC	PVL-B10260602B PVL-B10261802B
			Without	Ø6 Ø6 G1/8 G1/8	0,150 0,150 0,150 0,150	DC AC DC AC	PVL-B102606W2 PVL-B102606W1 PVL-B102618W2 PVL-B102618W1
			With	Ø6 G1/8	0,240 0,240	24 VDC 24 VDC	PVL-B10760602B PVL-B10761802B
			Without	Ø6 Ø6 G1/8 G1/8	0,150 0,150 0,150 0,150	DC AC DC AC	PVL-B107606W2 PVL-B107606W1 PVL-B107618W2 PVL-B107618W1
			With	Ø6 G1/8	0,240 0,240	24 VDC 24 VDC	PVL-B10860602B PVL-B10861802B
			Without	Ø6 Ø6 G1/8 G1/8	0,150 0,150 0,150 0,150	DC AC DC AC	PVL-B108606W2 PVL-B108606W1 PVL-B108618W2 PVL-B108618W1
	Electric 5/3 Closed Centre position* (1)	Electric Self centring	With	Ø6 G1/8	0,240 0,240	24 VDC 24 VDC	PVL-B10960602B PVL-B10961802B
			Without	Ø6 Ø6 G1/8 G1/8	0,150 0,150 0,150 0,150	DC AC DC AC	PVL-B109606W2 PVL-B109606W1 PVL-B109618W2 PVL-B109618W1
			With	Ø6 G1/8	0,240 0,240	24 VDC 24 VDC	PVL-B10860602B PVL-B10861802B
			Without	Ø6 Ø6 G1/8 G1/8	0,150 0,150 0,150 0,150	DC AC DC AC	PVL-B108606W2 PVL-B108606W1 PVL-B108618W2 PVL-B108618W1
			With	Ø6 G1/8	0,240 0,240	24 VDC 24 VDC	PVL-B10960602B PVL-B10961802B
			Without	Ø6 Ø6 G1/8 G1/8	0,150 0,150 0,150 0,150	DC AC DC AC	PVL-B109606W2 PVL-B109606W1 PVL-B109618W2 PVL-B109618W1

* Available December 99

(1) With override non locking flush

(2) With override locking flush