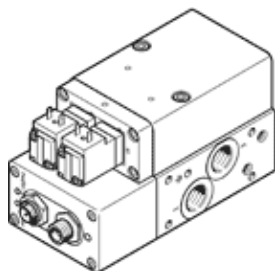


# valve unit

## VPCB-6-L-8-G38-10-F-D3-T22

Part number: 5318141

FESTO



## Data sheet

Feature	Value
Valve function	3-way proportional-pressure regulator
Design structure	Piston slide With built-in pressure sensors
Type of piloting	direct
Type of actuation	electrical
Type of reset	Magnetic spring
Flow direction	non reversible
Assembly position	Any
Sealing principle	Hard
Nominal size	6 mm
Short circuit strength	Yes
Type of display	LED
Standard nominal flow rate	725 l/min
Operating pressure	4 ... 8 bar
Typical lowering speed	15 mm/s
Note on lowering speed	When the manual exhaust is operated with cylinder diameter 80 mm, transmission ratio 1:1 and 100 kg load.
Ambient temperature	0 ... 50 °C
Operating medium	Compressed air in accordance with ISO8573-1:2010 [6:4:4]
Note on operating and pilot medium	Lubricated operation not possible Maximum particle size: 5 µm
Protection class	IP65
Note on degree of protection	in assembled condition
Authorisation	RCM Mark
KC mark	KC-EMV
CE mark (see declaration of conformity)	to EU directive for EMC
Materials note	Conforms to RoHS
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC	1 - Low corrosion stress
Instructions for use	The product is suitable for industrial purposes only. Measures for interference suppression may be required in residential areas.
Nominal operating voltage DC	24 V
Operating voltage range DC	21.6 ... 26.4 V
Residual ripple	5 %
Max. current consumption	1.2 A
Current consumption	120 mA
Polarity protected	for operating voltage
Duty cycle	100 %
Max. electrical power consumption	33.5 W
Diagnosis function	Display via LED
Max. line length	30 m
Fieldbus interface, type of connection	Plug
Fieldbus interface, connection technology	M12x1, A-coded in accordance with EN 61076-2-101

Feature	Value
Fieldbus interface, number of pins/wires	5
Fieldbus interface, protocol	CAN bus with Festo protocol
Electrical connection for drive, connection type	Plug socket
Electrical connection for drive, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection for drive, number of pins/wires	8
Electrical connection for valve, connection type	Plug
Electrical connection for valve, connection technology	Connection pattern type C to industry standard, 9.4 mm
Electrical connection for valve, number of pins/wires	2
Mounting type	Direct mounting via M5 thread
Pneumatic connection, port 1	G3/8
Pneumatic connection, port 2	G3/8
Pneumatic connection, port 3	G3/8
Pneumatic connection for control component	G1/8
Product weight	1,550 g
Material housing	Anodised wrought aluminium alloy
Material seals	FPM HNBR NBR