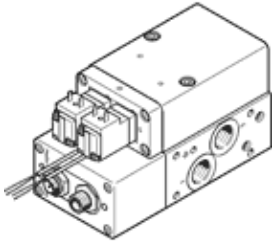


# valve unit

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

Part number: 8071579

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 MPa	0.4 ... 0.8 MPa
Working pressure	4 ... 8 bar
Typical lowering speed	15 mm/s
Information on lowering speed	On actuating the manual vent with 80 mm cylinder diameter, 1:1 transmission ratio 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
Authorization	RCM Mark
KC mark	KC-EMV
CE symbol (see declaration of conformity)	according to EU-EMV guideline in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
PWIS conformity	VDMA24364 zone III
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 %

<b>Feature</b>	<b>Value</b>
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
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 element	G1/8
Product weight	1,550 g
Material housing	Anodised wrought aluminium alloy
Material seals	FPM HNBR NBR