

# Mass flow controller (MFC) VEFC-L-6-200-D31-G14-G14-MRM1

FESTO

Part number: 8204587



## Data sheet

Feature	Value
Degree of protection	IP20
Flow rate control range	10 l/min...200 l/min
Flow direction	Non-reversible
Operating pressure	0.6 MPa 6 bar
Overload pressure	0.8 MPa 8 bar 116 psi
Burst pressure	1.4 MPa 14 bar 203 psi
Inlet pressure 1	0.3 MPa...0.7 MPa 3 bar...7 bar 43.5 psi...101.5 psi
Suitability for vacuum	yes
Valve function	2-way proportional flow control valve
Type of actuation	Electric
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Relative air humidity	5 - 85 % Non-condensing
Climatic category	3K22 to EN 60721
Nominal altitude of use	<= 2000 m NHN
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases
Media temperature	15 °C...35 °C
Ambient temperature	15 °C...35 °C
Storage temperature	-20 °C...50 °C
Nominal operating voltage DC	24 V
Operational voltage range DC	24 V
Max. current consumption	55 mA
Max. electrical power consumption	1.3 W
Overvoltage category	II
Residual ripple	± 10%

Feature	Value
Electrical connection 1, function	Power supply
Electrical connection 1, connection type	Socket
Electrical connection 1, connector system	Sub-D
Electrical connection 1, number of connections/cores	9
Buffer time for voltage failure of logic supply	10 ms
Setpoint value input	0 - 10 V 4 - 20 mA
Protection against direct and indirect contact	PELV
Display type	LED
Reverse polarity protection	For operating voltage
Total accuracy	2.5% FS
Reproducibility	0.75 %FS
Linearity	1.5 %FS
Hysteresis	1 %FS
Product weight	250 g
Material seals	HNBR NBR
Note on materials	RoHS-compliant
Dimensions (W x L x H)	24 mm x 130 mm x 97.1 mm
Instructions on use	The product is suitable for industrial purposes only. Measures to eliminate radio interference may be required in residential areas. For indoor use only
Fire test material	UL94 HB
Pollution degree	2
Approval	RCM trademark
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
CE marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
KC Approval No. EMC/Radio	R-R-FTO-KC-2024-1003
LABS (PWIS) conformity	VDMA24364 zone III
Suitability for the production of Li-ion batteries	Metals with more than 5% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils