

# Mass flow controller (MFC) VEFC-L-6-200-D31-R14-R14-MRM1

FESTO

Part number: 8204588



## 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 MPa	0.3 MPa...0.7 MPa
Inlet pressure 1	3 bar...7 bar
Inlet pressure 1 psi	43.5 psi...101.5 psi
Suitability for vacuum	yes
Valve function	2-way proportional flow control valve
Actuation type	Electrical
Pneumatic connection 1	R1/4
Pneumatic connection 2	R1/4
Relative air humidity	5 - 85 % Non-condensing
Climatic category	3K22 as per EN 60721
Nominal altitude of use above sea level	<= 2000 m NHN
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas
Temperature of medium	15 °C...35 °C
Ambient temperature	15 °C...35 °C
Storage temperature	-20 °C...50 °C
Nominal operating voltage DC	24 V
DC operating voltage range	24 V
Max. current consumption	55 mA
Max. electrical power consumption	1.3 W
Overvoltage category	II

Feature	Value
Residual ripple	± 10%
Electrical connection 1, function	Power supply
Electrical connection 1, connection type	Socket
Electrical connection 1, connection technology	Sub-D
Electrical connection 1, number of pins/wires	9
Buffer time for voltage failure of logic supply	10 ms
Setpoint input	0 - 10 V 4 - 20 mA
Protection against direct and indirect contact	PELV
Display type	LED
Reverse polarity protection	for operating voltage
Overall accuracy	2.5 %FS
Reproducibility	0.75 %FS
Linearity	1.5 %FS
Hysteresis	1 %FS
Product weight	250 g
Seals material	HNBR NBR
Note on materials	RoHS-compliant
Dimensions W x L x H	24 mm x 130 mm x 97.1 mm
Application note	The product is suitable for industrial purposes only. Radio interference suppression measures may be required in residential areas. For indoor use only
Material fire test	UL94 HB
Contamination level	2
Certification	RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC characters	KC EMC
KC approval number 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