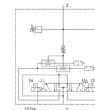


# vacuum generator

## VABF-S4-2-V2B1-G38-CB-VH-14-A

Part number: 8088778

FESTO



### Data sheet

Feature	Value
Width	35 mm
Nominal size, Laval nozzle	1.4 mm
Design, silencer	open
Type of actuation	electrical
Polarity protected	for all electrical connections
Assembly position	Any
Ejector characteristic	High vacuum Standard
Manual override	detenting Pushing Covered
Integrated function	Ejector pulse, electrical Flow control valve Electrical on-off valve Air saving function, electrical Non-return valve Open silencer Vacuum switch
Measured variable	Relative pressure
Measuring principle	Piezoresistive
Switching function	Window comparator Threshold value comparator
Valve function	5/3 pressurised
Type of display	LED LED display 2-digit
Unit(s) that can be displayed	kPa
Threshold value setting range	0 ... 99 kPa
Hysteresis setting range	0 ... 90 kPa
Setting options	Teach-In Via parameter sets
Signal status display	LED
Switching status display sensor	LED
Operating pressure for max. suction rate	4 bar
Operating pressure	4 ... 8 bar
Operating pressure for max. vacuum	4 bar
Max. vacuum	92 kPa
Nominal operating pressure	6 bar
Pilot pressure	4 ... 10 bar
Max. suction rate with respect to atmosphere	51 l/min
Air supply time at nominal operating pressure	0.2 s
Operating voltage range DC	21.6 ... 30 V
Idle current	30 mA
Duty cycle	100 %
Authorisation	RCM Mark
CE mark (see declaration of conformity)	to EU directive for EMC

Feature	Value
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation not possible
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Medium temperature	-5 ... 50 °C
Noise level at nominal operating pressure	70 dB(A)
Protection class	IP65
Safety class	III
Ambient temperature	-5 ... 50 °C
Product weight	915 g
Pressure measuring range	-1 ... 0 bar
Display range, start value	0 kPa
Display range, end value	99 kPa
Accuracy, FS	3 %FS
Switching point reproducibility, FS	1 %
Electrical connection	Fieldbus via CPX
Pneumatic connection, port 3	Open silencer
Vacuum connection	G3/8
Materials note	Conforms to RoHS
Material seals	HNBR NBR
Material receiver nozzle	POM
Material housing	Wrought Aluminium alloy
Material plate	Aluminium die cast
Material adjusting screw	High alloy steel, non-corrosive
Material silencer	POM PU foam
Material screws	Steel
Material transmitter nozzle	Wrought Aluminium alloy