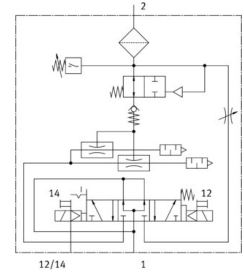
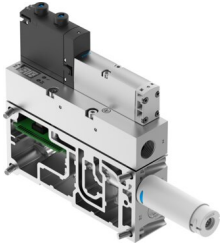



Vacuum generator VABF-S4-2-V2B1-G38-CB-VH-14-AP

Part number: 8088780

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Construction width	35 mm
Nominal size, Laval nozzle	1.4 mm
Silencer design	Open
Type of actuation	Electrical
Reverse polarity protection	For all electrical connections
Mounting position	Any
Ejector characteristic	High vacuum Standard
Manual override	Detenting Non-detenting Concealed
Measured variable	Relative pressure
Measuring principle	Piezoresistive
Switching function	Window comparator Threshold value comparator
Integrated function	Flow control On/off valve, electric Air-saving function, electric Power ejector pulse valve, electric Check valve Open silencer Vacuum switch
Symbol	00995925
Valve function	5/3-way, pressurised
Display type	LED LED indicator 2 digits
Displayable units	kPa
Setting range threshold value	0 MPa ... 0.099 MPa
Hysteresis setting range	0 MPa ... 0.09 MPa
Setting options	Teach-in Via parameter sets
Signal status display	LED
Switching status display sensor	LED
Operating pressure for max. suction flow rate	4 bar

Feature	Value
Operating pressure	4 bar ... 8 bar
Operating pressure for max. vacuum	4 bar
Max. vacuum	0.092 MPa
Nominal operating pressure	6 bar
Pilot pressure	4 bar ... 10 bar
Max. suction flow rate against atmosphere	51 l/min
Air supply time at nominal operating pressure	0.3 s
Operational voltage range DC	21.6 V ... 30 V
No-load supply current	30 mA
Duty cycle	100%
Approval	RCM
CE mark (see declaration of conformity)	To EU EMC Directive
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation not possible
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-5 °C ... 50 °C
Sound pressure level at nominal operating pressure	70 dB(A)
Degree of protection	IP65
Protection class	III
Ambient temperature	-5 °C ... 50 °C
Product weight	930 g
Pressure measuring range	-1 bar ... 0 bar
Display range start value	0 MPa
Display range end value	0.099 MPa
Accuracy in ± % FS	3 %FS
Reproducibility of switching values FS	1 %
Electrical control	Fieldbus
Electrical connection	Via CPX
Pneumatic connection, port 3	Open silencer
Vacuum connection	G3/8
Note on materials	RoHS compliant
Material seals	HNBR NBR
Material receiver nozzle	POM
Material housing	Wrought aluminium alloy
Material plate	Die-cast aluminium
Material adjusting screw	High-alloy stainless steel
Material silencer	POM Polyurethane foam
Material screws	Steel
Material transmitter nozzle	Wrought aluminium alloy