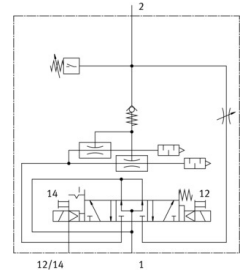
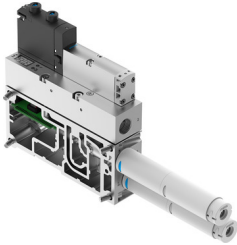


Vacuum generator VABF-S4-2-V2B1-G38-CB-VH-30-A

FESTO

Part number: 8067142



Data sheet

Feature	Value
Signal status display	LED
Material of jet nozzle	Wrought aluminum alloy
Material of adjusting screw	High-alloy stainless steel
Protection class	III
Sensor switching status indication	LED
Female nozzle material	POM
Muffler material	POM PU foam
Setting options	Teach-in Via parameter sets
Display type	LED LED display 2-digit
Displayable unit(s)	kPa
Vacuum connection	G3/8
Operating pressure for max. suction rate	6 bar
Max. suction rate with respect to atmosphere	167 l/min
Air supply time at nominal operating pressure	0.2 s
Operating pressure for max. vacuum	6 bar
Reproducibility, switching value FS	1 %
Noise level at nominal operating pressure	75 dB(A)
Max. vacuum	0.092 MPa
Display range end value	0.099 MPa
Display range start value	0 MPa
Setting range threshold value	0 MPa ... 0.099 MPa
Setting range hysteresis	0 MPa ... 0.09 MPa
Width	35 mm
Nominal width of Laval nozzle	3 mm
Type code	VABF
Muffler construction type	Open
Actuation type	Electrical
Reverse polarity protection	for all electrical connections
Mounting position	Any

Feature	Value
Ejector characteristics	High vacuum Standard
Manual override	Detenting Non-detenting Covered
Integrated function	Electric ejector pulse Flow control Shut off valve, electric Air saving function, electrical Non-return valve Pneumatic muffler open Vacuum switch
Measured variable	Relative pressure
Measuring principle	Piezoresistive
Switching function	Window comparator Threshold value comparator
Symbol	00995924
Valve function	5/3, pressurized
Operating pressure	4 bar ... 8 bar
Nominal operating pressure	6 bar
Pilot pressure	4 bar ... 10 bar
DC operating voltage range	21.6 V ... 30 V
Idle current	30 mA
Duty cycle	100%
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication not possible
CE marking (see declaration of conformity)	As per EU EMC directive
Corrosion resistance class (CRC)	0 - No corrosion stress
Temperature of medium	-5 °C ... 50 °C
Degree of protection	IP65
Ambient temperature	-5 °C ... 50 °C
Certification	RCM compliance mark
Product weight	955 g
Pressure measuring range	-1 bar ... 0 bar
Accuracy in ± % FS	3 %FS
Electrical actuation	Fieldbus
Electrical connection	Via CPX
Pneumatic connection 3	Pneumatic muffler open
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy
Plate material	Die-cast aluminum
Material of screws	Steel