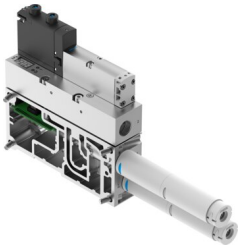
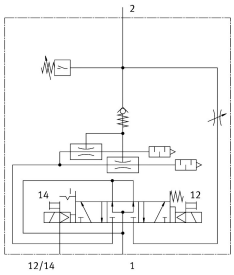
Vacuum generator
VABF-S4-2-V2B1-G38-CB-VH-30-A

Part number: 8067142





Data sheet

Feature	Value
Construction width	35 mm
Nominal size, Laval nozzle	3 mm
Silencer design	Open
Type of actuation	Electric
Reverse polarity protection	For all electrical connections
Mounting position	optional
Ejector characteristic	High vacuum Standard
Manual override	Detenting Non-detenting Covered
Integrated function	Electric ejector pulse Flow control Electric on-off valve Air saving function, electrical Check valve Open silencer Vacuum switch
Measured variable	Relative pressure
Measuring principle	Piezoresistive
Switching function	Window comparator Threshold value comparator
Valve function	5/3-way, pressurised
Display type	LED LED indicator 2-digit
Displayable units	kPa
Setting range threshold value	0 kPa...99 kPa
Hysteresis setting range	0 kPa...90 kPa
Setting options	Teach-in Via parameter sets
Signal status display	LED

Feature	Value
Switching status display sensor	LED
Operating pressure for max. suction flow rate	6 bar
Operating pressure	4 bar...8 bar
Operating pressure for max. vacuum	6 bar
Max. vacuum	92 kPa
Nominal operating pressure	6 bar
Pilot pressure	4 bar...10 bar
Max. suction flow rate against atmosphere	167 l/min
Air supply time at nominal operating pressure	0.2 s
Operational voltage range DC	21.6 V...30 V
No-load supply current	30 mA
Duty cycle	100%
Approval	RCM trademark
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	75 dB(A)
Degree of protection	IP65
Protection class	III
Ambient temperature	-5 °C...50 °C
Product weight	955 g
Pressure measuring range	-1 bar...0 bar
Display range start value	0 kPa
Display range end value	99 kPa
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 PU foam
Material screws	Steel
Material transmitter nozzle	Wrought aluminium alloy