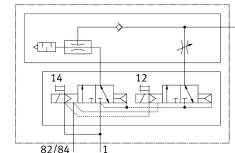


# Manifold sub-base for vacuum VABX-A-P-VE-BH-VB010H

Part number: 8213837

**FESTO**



## Data sheet

Feature	Value
Length	150.8 mm
Nominal width of Laval nozzle	0.95 mm
Width dimension	12.55 mm
Valve size	10 mm
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Muffler construction type	Open
Actuation type	Electrical
Reverse polarity protection	yes
Sealing principle	Soft
Mounting position	Any
Ejector characteristics	High vacuum
Adjusting element	Slotted screw
Integrated function	Electric ejector pulse Ejector pulse valve, electric Flow control Shut off valve, electric Non-return valve Pneumatic muffler open With electrical manifold module
Max. no. of valve positions	1
Type of control	Pilot-controlled
Pilot air supply port	Internal
Valve function	2x3/2, closed, monostable
Max. no. of solenoid coils	2
Compatible with	Valve terminal VTUX-A-P
Display type	LED
Signal status display	Yellow LED, valve control
Operating pressure for max. suction rate	0.4 MPa 4 bar 58 psi
Operating pressure	0.2 MPa...0.7 MPa 2 bar...7 bar

Feature	Value
Operating pressure for max. vacuum	0.38 MPa 3.8 bar 55.1 psi
Max. vacuum	0.093 MPa
Nominal operating pressure	0.6 MPa 6 bar 87 psi
Pilot pressure MPa	0.2 MPa...0.7 MPa
Pilot pressure	2 bar...7 bar
Max. suction rate with respect to atmosphere	24 l/min
Air supply time at nominal operating pressure	0.39 s
Dimensions W x L x H	12.55 mm x 150.8 mm x 68.8 mm
Intrinsic current consumption at nominal operating voltage	Type. 2 mA
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/- 10 %
Certification	RCM compliance mark
KC characters	KC EMC
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
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Ester oil < 0.1mg/m <sup>3</sup> , according to ISO 8573-1:2010 [---:2] Operation with oil lubrication not possible
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C...70 °C
Relative air humidity	5 - 95 %
Degree of protection	IP65
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:-]
Ambient temperature	-5 °C...50 °C
Nominal altitude of use above sea level	<= 2000 m NHN
Max. installation height	2000 m
Product weight	65 g
Electrical actuation	Multi-pin
Type of mounting	Tie rod
Pneumatic connection 2	QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16 for pneumatic tubing outside diameter 4 mm for pneumatic tubing outside diameter 6 mm for pneumatic tubing outside diameter 8 mm for pneumatic tubing outside diameter 5/32" for pneumatic tubing outer diameter 1/4" for pneumatic tubing outside diameter 5/16"
Note on materials	RoHS-compliant
Material of sub-base	PA-reinforced
Cover material	PA-reinforced
Seals material	HNBR NBR
Female nozzle material	POM
Housing material	PA-reinforced
Sleeve material	Wrought aluminum alloy
Clip material	High-alloy stainless steel

Feature	Value
Nut material	High-alloy stainless steel
O-ring material	HNBR NBR
Material of adjusting screw	PA-reinforced
Muffler material	PP PU foam
Material of screws	High-alloy stainless steel
Material of jet nozzle	Wrought aluminum alloy