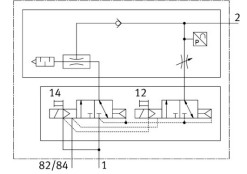


Manifold sub-base for vacuum VABX-A-S-VE-BH-VB010H

Part number: 8213836

FESTO



 [General operating condition](#)

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
Diagnose per internal communication	Load switch-off Electronics/sensors overvoltage Electronics/sensors undervoltage
Integrated function	Electric ejector pulse Ejector pulse valve, electric Flow control Pressure sensor Pressure transmitter On/off valve, electric Air saving function, electrical Non-return valve Pneumatic muffler open With electrical manifold module
Measured variable	Relative pressure
Measuring principle	Piezoresistive
Max. no. of valve positions	1
Type of control	Pilot-controlled
Pilot air supply port	Internal
Symbol	00997563
Valve function	2x3/2, closed, monostable
Max. no. of solenoid coils	2
Compatible with	Valve terminal VTUX-A-S
Display type	LED
Signal status display	yes

Feature	Value
Operating pressure for max. suction rate	0.4 MPa
Operating pressure for max. suction rate	4 bar
Operating pressure for max. suction rate	58 psi
Operating pressure	0.2 MPa ... 0.7 MPa
Operating pressure	2 bar ... 7 bar
Operating pressure for max. vacuum	0.38 MPa
Operating pressure for max. vacuum	3.8 bar
Operating pressure for max. vacuum	55.1 psi
Max. vacuum	0.093 MPa
Nominal operating pressure	0.6 MPa
Nominal operating pressure	6 bar
Nominal operating pressure	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
Inductive protective circuit	Installed
Intrinsic current consumption at nominal operating voltage for electronics/sensors	typically 27 mA
Intrinsic current consumption at nominal operating voltage load	typically 2.5 mA
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Power consumption at 24 VDC	0.65 W
Nominal operating voltage DC for electronics/sensors	24 V
Nominal operating voltage DC load	24 V
Power failure buffering	10 ms
Electrical isolation of outputs between channel - internal communication	yes
Potential separation between the supply voltages electronics/sensor technology and load/valves	yes
Permissible voltage fluctuations for electronics/sensors	±10%
Permissible voltage fluctuations load	± 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/m³, 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
Note on degree of protection	In mounted state
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	68 g
Pressure measuring range	-0.1 MPa ... 0.1 MPa
Pressure measuring range	-1 bar ... 1 bar
Pressure measuring range	-14.5 psi ... 14.5 psi

Feature	Value
Accuracy in $\pm$ % FS	3 %FS
Reproducibility, switching value FS	1 %
Electrical actuation	AP interface
Communication interface, protocol	AP-COM
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
Film material	Polyester
Housing material	PA-reinforced
Sleeve material	Wrought aluminum alloy
Clip material	High-alloy stainless steel
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