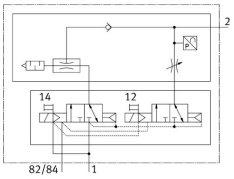
Manifold sub-base for vacuum
VABX-A-S-VE-BH-VB010L

Part number: 8233480



General operating condition

Data sheet

Feature	Value
Construction width	12.5 mm
Width	12.55 mm
Length	150.8 mm
Nominal size, Laval nozzle	0.95 mm
Grid dimension	12.55 mm
Valve size	10 mm
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Silencer design	Open
Type of actuation	Electrical
Reverse polarity protection	Yes
Sealing principle	Soft
Mounting position	Any
Ejector characteristic	High suction rate
Adjustment component	Slotted head screw
Diagnostics per internal communication	Switch-off load supply Electronics/sensors overvoltage Electronics/sensors undervoltage
Measured variable	Relative pressure
Measuring principle	Piezoresistive
Max. number of valve positions	1
Integrated function	Ejector pulse, electrical Ejector pulse valve, electric Flow control Pressure sensor Pressure transmitter On/off valve, electric Air-saving function, electric Check valve Open silencer With electrical interlinking module
Type of piloting	Piloted
Pilot air supply	Internal
Symbol	00997563
Valve function	2x3/2 closed monostable
Max. number of valve coils	2
Compatible with	Valve terminal VTUX-A-S

Feature	Value
Display type	LED
Signal status display	Yes
Operating pressure for max. suction flow rate	0.6 MPa
Operating pressure for max. suction flow rate	6 bar
Operating pressure for max. suction flow rate	87 psi
Operating pressure	0.2 MPa ... 0.7 MPa
Operating pressure	2 bar ... 7 bar
Nominal operating pressure	0.6 MPa
Nominal operating pressure	6 bar
Nominal operating pressure	87 psi
Pilot pressure	0.2 MPa ... 0.7 MPa
Pilot pressure	2 bar ... 7 bar
Max. suction flow rate against atmosphere	45 l/min
Air supply time at nominal operating pressure	0.42 s
Dimensions (W x L x H)	12.55 mm x 150.8 mm x 68.8 mm
Inductive protective circuit	Integrated
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typical 27 mA
Intrinsic current consumption at nominal operating voltage load	Typical 2.5 mA
Note regarding operating voltage	SELV/PELV fixed power supplies required Note the voltage drop
Power consumption at 24VDC	0.65 W
Nominal DC operating voltage, electronics/sensors	24 V
Nominal operating voltage DC of load	24 V
Power failure bridging	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 fluctuation of load	±10%
Approval	RCM
KC mark	KC-EMV
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Ester oil ‹ 0.1mg/m³, according to ISO 8573-1:2010 [-:-:2] Lubricated operation not possible
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-C1-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 to ISO 8573-1:2010 [7:4:-]
Ambient temperature	-5 °C ... 50 °C
Nominal altitude of use	‹= 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
Accuracy in ± % FS	3 %FS
Reproducibility of switching values FS	1 %

Feature	Value
Electrical control	AP interface
Communication interface, protocol	AP-COM
Type of mounting	Tie rod
Pneumatic connection, port 2	QS-5/32 QS-1/8 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 8 mm For tubing outside diameter of 5/32" For tubing outside diameter of 1/4" For tubing outside diameter of 5/16"
Note on materials	RoHS compliant
Material sub-base	Reinforced PA
Material cover	Reinforced PA
Material seals	HNBR NBR
Material receiver nozzle	POM
Material foil	Polyester
Material housing	Reinforced PA
Material sleeve	Reinforced PA
Material clip	High-alloy stainless steel
Material nut	High-alloy stainless steel
Material o-ring	HNBR NBR
Material adjusting screw	Reinforced PA
Material silencer	PP Polyurethane foam
Material screws	High-alloy stainless steel
Material transmitter nozzle	Wrought aluminium alloy