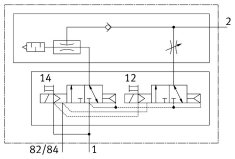
Manifold sub-base for vacuum
VABX-A-P-VE-BH-VB010H

Part number: 8213837





Data sheet

Feature	Value
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 vacuum
Adjustment component	Slotted head screw
Max. number of valve positions	1
Integrated function	Ejector pulse, electrical Ejector pulse valve, electric Flow control On/off valve, electric Check valve Open silencer With electrical interlinking module
Type of piloting	Piloted
Pilot air supply	Internal
Valve function	2x3/2 closed monostable 5/4-way valve with holding function, for vacuum generator
Compatible with	Valve terminal VTUX-A-P
Display type	LED
Signal status display	Yellow LED, valve control
Operating pressure for max. suction flow rate	0.4 MPa 4 bar 58 psi
Operating pressure	0.2 MPa...0.7 MPa

Feature	Value
	2 bar...7 bar
Operating pressure for max. vacuum	0.38 MPa 3.8 bar 55.1 psi
Max. vacuum	93 kPa
Nominal operating pressure	0.6 MPa 6 bar 87 psi
Pilot pressure	0.2 MPa...0.7 MPa 2 bar...7 bar
Max. suction flow rate against 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
Intern power consumption nominal operating voltage	Typ. 2 mA
Note regarding operating voltage	SELV/PELV fixed power supplies required Note the voltage drop
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/-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
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	65 g
Electrical control	Multi-pin
Type of mounting	Tie rod
Pneumatic connection, port 2	QS-4 QS-6 QS-8 QS-5/32 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 housing	Reinforced PA
Material sleeve	Wrought aluminium alloy

Feature	Value
Material nut	High-alloy stainless steel
Material o-ring	HNBR NBR
Material adjusting screw	Reinforced PA
Material silencer	PP Polyurethane foam
Material transmitter nozzle	Wrought aluminium alloy