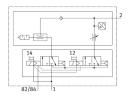
## Manifold sub-base for vacuum VABX-A-S-VE-BH-VB010H

Part number: 8213836







General operating condition

## **Data sheet**

Feature	Value
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	Electric
Reverse polarity protection	yes
Sealing principle	Soft
Mounting position	optional
Ejector characteristic	High vacuum
Adjustment component	Slotted head screw
Diagnostics per internal communication	Load switch-off Electronics/sensors overvoltage Electronics/sensors undervoltage
Integrated function	Electric ejector pulse Electric ejector pulse valve Flow control Pressure sensor Pressure transmitter Electric on-off valve Air saving function, electrical Check valve Open silencer With electrical interlinking module
Measured variable	Relative pressure
Measuring principle	Piezoresistive
Max. number of valve positions	1
Type of piloting	Pilot actuated
Pilot air supply	Internal
Symbol	00997563
Valve function	2x3/2-way, monostable, closed
Max. number of valve coils	2
Compatible with	Valve terminal VTUX-A-S
Display type	LED
Signal status display	yes

Operating pressure for max. suction flow rate         4 bar           Operating pressure for max. suction flow rate         58 psl           Operating pressure         0.2 MPa 0.7 MPa           Operating pressure         1.2 km 7 bar           Operating pressure for max. suction         0.38 MPa           Operating pressure for max. vacuum         3.38 MPa           Operating pressure for max. vacuum         55.1 pd           Operating pressure for max. vacuum         6.093 MPa           Nountial operating pressure         0.093 MPa           Nountial operating pressure         6.007 MPa           Nominal operating pressure         8.7 pd           Nominal operating pressure         8.7 pd           Nominal operating pressure         7.2 km 7.5 bar           Nominal operating pressure         8.7 pd           Nox. suction flow rate against atmosphere         2.4 Vrini           Arrayph Jime at nominal operating pressure         1.2 km 7.5 bar           Nox. suction flow rate against atmosphere         2.4 Vrini           Arrayph Jime at nominal operating voltage of pressure or interest current consumption at nominal operating voltage of pressure or interest current current current current current proton at nominal operating voltage of pressure or interest current current current proton or pressure or interest current current current proton or pressure or interest current proton or pressure or	Feature	Value
Operating pressure for max, suction flow rate         \$8 psi           Operating pressure         0.2 MPa 0.7 MPa           Operating pressure for max vacuum         0.38 MPa           Operating pressure for max, vacuum         0.98 MPa           Operating pressure for max, vacuum         0.093 MPa           Operating pressure for max, vacuum         0.093 MPa           Max, vacuum         0.093 MPa           Nominal operating pressure         0.0 MPa           Nominal operating pressure         6 bar           Nominal operating pressure         0.0 MPa           Nominal operating pressure         0.0 MPa           Nominal operating pressure         2 bar bar           Nominal operating pressure         2 bar bar           Nominal operating pressure         2 bar bar           Als supply time at nominal operating pressure         2 bar bar           Dimensions (W x i. x ib)         12.55 mm x 150.8 mm x 68.8 mm           Dimensions (W x i. x ib)         12.55 mm x 150.8 mm x 68.8 mm           Intrinsic current consumption at nominal operating voltage for electronics/sensors         130 pically 2.7 mA           Intrinsic current consumption at nominal operating voltage load         1pically 2.5 mA           Note regarding operating voltage of control of voltage subject work of voltage control of voltage voltage subjec	Operating pressure for max. suction flow rate	0.4 MPa
Operating pressure         0.2 MPa 0.7 MPa           Operating pressure for max vacuum         0.3 MPa           Operating pressure for max vacuum         3.8 bar           Operating pressure for max vacuum         0.93 MPa           Operating pressure for max vacuum         0.093 MPa           Nominal operating pressure         0.6 MPa           Nominal operating pressure         6 bar           Nominal operating pressure         8 bar           Nominal operating pressure         8 bar           Nominal operating pressure         8 bar           Notine operating pressure         9.2 MPa 0.7 MPa           Pilot pressure         2.2 Mrn. 2 bar 7 bar           Max. suction flow rate against atmosphere         2.4 I/min           At supply time a 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 circle         Interpret consumption at nominal operating voltage for electronics/sensors         Prypically 2.5 mA           Note regarding operating voltage         Typically 2.5 mA           Note regarding operating voltage         SCLV/FLY Mead power supplies required           Note regarding operating voltage of colload         24 V           Power fallure bridging         In max           Electr	Operating pressure for max. suction flow rate	4 bar
Operating pressure         2 bar 7 bar           Operating pressure for max. vacuum         0.38 MPa           Operating pressure for max. vacuum         55.1 psl           Max. vacuum         0.093 MPa           Nominal operating pressure         0.0 MPa           Nominal operating pressure         6 bar           Nominal operating pressure         6 bar           Nominal operating pressure         9.2 MPa 0.7 MPa           Pilot pressure         2.2 MPa 0.7 MPa           Pilot pressure         2.2 MPa 0.7 MPa           Als supply time at nominal operating pressure         0.39 S           Missission (W x L x H)         12.55 mm x 150.8 mm x 68.8 mm           Industries prosective circuit         Integrated           Intrinsic current consumption at nominal operating voltage for electronics/sensors         Typically 2.7 mA           Intrinsic current consumption at nominal operating voltage for electronics/sensors         2.2 A V           Now fair egarding operating voltage, electronics/sensors         2.2 A V           Nominal DC operating voltage, electronics/sensors         2.2 V           Nominal DC operating voltage, electronics/sensors         2.2 V           Nominal DC operating voltage, electronics/sensors         2.0 MPa           Permissible voltage fluctuation of load         2.1 V/m	Operating pressure for max. suction flow rate	58 psi
Operating pressure for max, vacuum         0,38 MPa           Operating pressure for max, vacuum         3.8 bar           Max, vacuum         0,093 MPa           Nominal operating pressure         0,6 MPa           Nominal operating pressure         8 bar           Nominal operating pressure         8 Ppal           Pilot pressure         2 bar 7 JaPa           Pilot pressure         2 bar 7 JaPa           Pilot pressure         2 bar 7 bar           Max. suction flow rate against atmosphere         2 bar 7 bar           Pilot pressure         0,39 S           Dimensions (W x L x 10         12.55 mm x 150.8 mm x 68.8 mm           Inductive protective circuit         Integrated           Inductive protective circuit         Integrated           Intrinsic current consumption at nominal operating voltage for electronics/sensors         Typically 2.5 mA           Note regarding operating voltage         SULYPELY fixed power supplies required More votages and the voltage for electronics age drop           Power consumption at 24VD         0.65 W           Nominal operating voltage, electronics/sensors         24 V           Power failure bridging         10 ms           Electrical isolation of outputs between channel - internal communication protective protective protective protection of the supply voltages electronics/senso	Operating pressure	0.2 MPa 0.7 MPa
Operating pressure for max. vacuum  Operating pressure for max. vacuum  S5.1 psi  Max. vacuum  O.093 MPa  O.093 MPa  Nominal operating pressure  O.6 MPa  Nominal operating pressure  O.6 MPa  Nominal operating pressure  O.7 MPa  Oor Oor Oor MPa  Oor	Operating pressure	2 bar 7 bar
Operating pressure for max. vacuum  Operating pressure for max. vacuum  S5.1 psi  Max. vacuum  O.093 MPa  O.093 MPa  Nominal operating pressure  O.6 MPa  Nominal operating pressure  O.6 MPa  Nominal operating pressure  O.7 MPa  Oor Oor Oor MPa  Oor	Operating pressure for max. vacuum	0.38 MPa
Max. vacuum  Nominal operating pressure  O. 6. MPa  Nominal operating pressure  O. 7. MPa  Nominal operating pressure  O. 7. MPa  O.		3.8 bar
Nominal operating pressure 6 bar Nominal operating pressure 8 Ppsi Nominal operating pressure 9.0.2 MPa 0.7 MPa Pilot pressure 10.2 bar 7 bar Max. suction flow rate against atmosphere 21 / Irnin Air supply time at nominal operating pressure 0.38 s Dimensions (W x L x H) 12.5 mm x 150.8 mm x 68.8 mm Inductive protective circuit integrated intrinsic current consumption at nominal operating voltage for electronics/sensors Intrinsic current consumption at nominal operating voltage for electronics/sensors Intrinsic current consumption at nominal operating voltage for electronics/sensors Intrinsic current consumption at nominal operating voltage for electronics/sensors Intrinsic current consumption at nominal operating voltage for electronics/sensors Intrinsic current consumption at power supplies required Note voltage dury Power consumption at 24VDC 0.65 W Nominal Coperating voltage, electronics/sensors 24 V Nominal Coperating voltage, electronics/sensors 24 V Nominal Coperating 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/sensors 40 Ves Electrical isolation of outputs between the supply voltages electronics/sensors Potential separation between the supply voltages electronics/sensors 10% Permissible voltage fluctuation of load 10 Ves	Operating pressure for max. vacuum	55.1 psi
Nominal operating pressure  Nominal operating pressure  Robert Street  Nominal Operating pressure  2 bar 7 bar  Nominal Operating pressure  2 bar 7 bar  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  Integrated	Max. vacuum	0.093 MPa
Nominal operating pressure    Pilot pressure   2 bar 7 bar	Nominal operating pressure	0.6 MPa
Nominal operating pressure    Pilot pressure   2 bar 7 bar	Nominal operating pressure	6 bar
Pilot pressure    2 Am. / Dar   Nax. suction flow rate against atmosphere   2 Am. / Dar   Nax. suction flow rate against atmosphere   24 I/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   Integrated   Internsic current consumption at nominal operating voltage for electronics/sensors   Internsic current consumption at nominal operating voltage for electronics/sensors   Internsic current consumption at nominal operating voltage for electronics/sensors   Intrinsic current consumption at nominal operating voltage for electronics/sensors   Intrinsic current consumption at nominal operating voltage load   Image: SELV/PELV fixed power supplies required   Note voltage drop   Image: SELV/PELV fixed power supplies required   Note voltage drop   Image: SELV/PELV fixed power supplies required   Note voltage drop   Image: SELV/PELV fixed power supplies required   Note voltage drop   Image: SELV/PELV fixed power supplies required   Note voltage drop   Image: SELV/PELV fixed power supplies required   Note voltage drop   Image: SELV/PELV fixed power supplies required   Note voltage drop   Image: SELV/PELV fixed power supplies required   Note voltage drop   Image: SELV/PELV fixed power supplies required   Note voltage drop   Image: SELV/PELV fixed power supplies required   Note voltage drop   Image: SELV/PELV fixed power supplies required   Note voltage drop   Image: SELV/PELV fixed power supplies required   Note voltage fixed p	Nominal operating pressure	87 psi
Pilot pressure		
Air supply time at nominal operating pressure  Dimensions (W. L. x. H)  12.55 mm x 150.8 mm x 68.8 mm  Inductive protective circuit  Intrinsic current consumption at nominal operating voltage for electronics/sensors  Intrinsic current consumption at nominal operating voltage for electronics/sensors  Note regarding operating voltage  Note regarding operating voltage  Power consumption at 24VDC  O.65 W  Nominal DC operating voltage, electronics/sensors  24 V  Nominal DC operating voltage, electronics/sensors  24 V  Nominal operating voltage, electronics/sensors  24 V  Nominal oberating voltage, electronics/sensors  25 ELECTRICAL SENSOR (Sensors)  Electrical isolation of outputs between channel - internal communication power failure bridging  Electrical isolation of outputs between the supply voltages electronics/sensor electronics/sensors  Electrical separation between the supply voltages electronic		2 bar 7 bar
Air supply time at nominal operating pressure  Dimensions (W. L. x. H)  12.55 mm x 150.8 mm x 68.8 mm  Inductive protective circuit  Intrinsic current consumption at nominal operating voltage for electronics/sensors  Intrinsic current consumption at nominal operating voltage for electronics/sensors  Note regarding operating voltage  Note regarding operating voltage  Power consumption at 24VDC  O.65 W  Nominal DC operating voltage, electronics/sensors  24 V  Nominal DC operating voltage, electronics/sensors  24 V  Nominal operating voltage, electronics/sensors  24 V  Nominal oberating voltage, electronics/sensors  25 ELECTRICAL SENSOR (Sensors)  Electrical isolation of outputs between channel - internal communication power failure bridging  Electrical isolation of outputs between the supply voltages electronics/sensor electronics/sensors  Electrical separation between the supply voltages electronic	Max. suction flow rate against atmosphere	24 l/min
Dimensions (W x L x H) Inductive protective circuit Inductive protective circuit Inductive protective circuit Intrinsic current consumption at nominal operating voltage for electronics/sensors Intrinsic current consumption at nominal operating voltage for electronics/sensors Intrinsic current consumption at nominal operating voltage load Intrinsic current consumption at nominal operating voltage load Intrinsic current consumption at partial problems Note regarding operating voltage SELV/PELV fixed power supplies required Note voltage drop Power consumption at 24VDC O.65 W Nominal Operating voltage, electronics/sensors 24 V Nominal Operating voltage D C of load 24 V Rominal operating voltage D C of load Power failure bridging In ms Electrical isolation of outputs between channel - internal communication Potential separation between the supply voltages electronics/sensor technology and load/valves Permissible voltage fluctuations for electronics/sensors I	- '	0.39 s
Inductive protective circuit Intrinsic current consumption at nominal operating voltage for electronics/sensors Intrinsic current consumption at nominal operating voltage load Itypically 2.7 mA  SELV/PELV fixed power supplies required Note voltage drop Note voltage drop Note voltage drop Nominal DC operating voltage, electronics/sensors 24 V Nominal DC operating voltage, electronics/sensors 24 V Nominal Operating voltage, electronics/sensors 24 V Nominal operating voltage, electronics/sensors Note voltage drop Nomer failure bridging 10 ms Electrical isolation of outputs between channel - internal communication Potential separation between the supply voltages electronics/sensor technology and load/valves Permissible voltage fluctuations for electronics/sensors Permissible voltage fluctuation of load Approval KC mark KC mark KC mark KC mark KC emark KC emark KC emark KC emark KC ewark CE mark (see declaration of conformity) To EU EMC Directive In accordance with EU ROHS Directive In accordance wit	1 21	12.55 mm x 150.8 mm x 68.8 mm
Intrinsic current consumption at nominal operating voltage for electronics/sensors  Note regarding operating voltage  SELV/PELV fixed power supplies required Note voltage drop  Note regarding operating voltage  Power consumption at 24VDC  O.65 W  Nominal DC operating voltage, electronics/sensors  24 V  Nominal operating voltage, electronics/sensors  24 V  Nominal operating voltage, electronics/sensors  10 ms  Electrical isolation of outputs between channel - internal communication yes  Power failure bridging  Electrical isolation of outputs between channel - internal communication yes  Potential separation between the supply voltages electronics/sensor technology and load/valves  Permissible voltage fluctuations for electronics/sensors  210%  Permissible voltage fluctuation of load  Approval  KC mark  KC mark  KC mark  KC EMV  CE mark (see declaration of conformity)  To EU EMC Directive in accordance with EU ROHS Directive		Integrated
SELV/PELV fixed power supplies required   Note voltage drop	Intrinsic current consumption at nominal operating voltage for	-
SELV/PELV fixed power supplies required   Note voltage drop	Intrinsic current consumption at nominal operating voltage load	Typically 2.5 mA
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  Permissible voltage fluctuations for electronics/sensors  ±10%  Permissible voltage fluctuation of load  ±10%  Approval  RCM trademark  KC-EMV  CE mark (see declaration of conformity)  To EU EMC Directive In accordance with EU ROHS Directive In accordance with EU ROHS Directive Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Ester oil <0.1 mg/m³, according to ISO 8573-1:2010 [2] Lubricated operation 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  In assembled 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  Product weight  Fessure measuring range  -0.1 MPa 0.1 MPa  Pressure measuring range  -0.1 MPa 0.1 MPa  Pressure measuring range  -1 bar 1 bar		SELV/PELV fixed power supplies required
Nominal operating voltage DC of load Power failure bridging Electrical isolation of outputs between channel - internal communication Potential separation between the supply voltages electronics/sensor technology and load/valves Permissible voltage fluctuations for electronics/sensors Permissible voltage fluctuation of load 4 10% Permissible voltage fluctuation of load Approval RCM trademark RC Emark RC Emark RC Emark (see declaration of conformity) To EU EMC Directive In accordance with EU RoHS Directive UNCA marking (see declaration of conformity) To UK instructions for EMC Operating medium Compressed air to ISO 8873-1:2010 [7:4:4] Ester oil < 0.1mg/m³, according to ISO 8873-1:2010 [7:4:2] Lubricated operation not possible Corrosion resistance class CRC 2 - Moderate corrosion stress UABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature 20 °C 70 °C Elative air humidity 5 - 95% Degree of protection In assembled state Plot medium Compressed air to ISO 8873-1:2010 [7:4:-] Ambient temperature 1 - 5 °C 50 °C Nominal altitude of use 4 - 2000 m NHN Aux. installation height Pressure measuring range - 0.1 MPa 0.1 MPa Pressure measuring range - 1 bar 1 bar	Power consumption at 24VDC	0.65 W
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  Permissible voltage fluctuations for electronics/sensors ±10%  Permissible voltage fluctuation of load ±10%  Approval RCM trademark  KC-EMV  CE mark (see declaration of conformity) To EUE EMC Directive In accordance with EU ROHS Directive  UKCA marking (see declaration of conformity) To UK instructions for EMC  Operating medium Compressed air to 150 8573-1:2010 [7:4:4]  Note on operating and pilot medium Ester oil < 0.1mg/m³, according to 150 8573-1:2010 [:2] Lubricated operation 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 assembled state  Pilot medium Compressed air to 150 8573-1:2010 [7:4:-]  Ambient temperature .5 °C 50 °C  Nominal altitude of use 68 g  Pressure measuring range .0.1 MPa 0.1 MPa  Pressure measuring range .0.1 MPa 0.1 MPa  Pressure measuring range .1 bar 1 bar	Nominal DC operating voltage, electronics/sensors	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  Permissible voltage fluctuations for electronics/sensors ±10%  Permissible voltage fluctuation of load ±10%  Approval RCM trademark  KC-EMV  CE mark (see declaration of conformity) To EUE EMC Directive In accordance with EU ROHS Directive  UKCA marking (see declaration of conformity) To UK instructions for EMC  Operating medium Compressed air to 150 8573-1:2010 [7:4:4]  Note on operating and pilot medium Ester oil < 0.1mg/m³, according to 150 8573-1:2010 [:2] Lubricated operation 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 assembled state  Pilot medium Compressed air to 150 8573-1:2010 [7:4:-]  Ambient temperature .5 °C 50 °C  Nominal altitude of use 68 g  Pressure measuring range .0.1 MPa 0.1 MPa  Pressure measuring range .0.1 MPa 0.1 MPa  Pressure measuring range .1 bar 1 bar	Nominal operating voltage DC of load	24 V
Electrical isolation of outputs between channel - internal communication Potential separation between the supply voltages electronics/sensor technology and load/valves Permissible voltage fluctuations for electronics/sensors #10% Permissible voltage fluctuation of load #10% Approval RCM trademark KC mark CE mark (See declaration of conformity) To EU EMC Directive in accordance with EU ROHS Directive UKCA marking (see declaration of conformity) To EU EMC Directive In accordance with EU ROHS Directive 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 UABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature 2-0° c 70° C Relative air humidity 5 - 95% Degree of protection In assembled state Pilot medium Compressed air to ISO 8573-1:2010 [7:4:-] Ambient temperature 5 - 6° c 50° C - 2000 m NHN Max. installation height Pressure measuring range - 0.1 MPa 0.1 MPa Pressure measuring range - 0.1 MPa 0.1 MPa Pressure measuring range - 1 bar 1 bar		10 ms
technology and load/valves  Permissible voltage fluctuations for electronics/sensors  ±10%  Approval  RCM trademark  KC mark  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-B1/B2-L  Storage temperature  -20 °C 70 °C  Relative air humidity  5 · 95%  Degree of protection  In assembled 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  -1 bar 1 bar		yes
Permissible voltage fluctuation of load  Approval  RCM trademark  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-B1/B2-L  Storage temperature  -20 °C 70 °C  Relative air humidity  5 - 95%  Degree of protection  IP65  Note on degree of protection  In assembled 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		Yes
Approval  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-B1/B2-L  Storage temperature  -20 °C 70 °C  Relative air humidity  5 - 95%  Degree of protection  In assembled 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  Pressure measuring range  -0.1 MPa 0.1 MPa  Pressure measuring range  -1 bar 1 bar	Permissible voltage fluctuations for electronics/sensors	±10%
KC mark  KC 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-B1/B2-L  Storage temperature  Relative air humidity  5 · 95%  Degree of protection  Note on degree of protection  In assembled 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  Pressure measuring range  -0.1 MPa 0.1 MPa  Pressure measuring range  -1 bar 1 bar	Permissible voltage fluctuation of load	± 10%
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-B1/B2-L  Storage temperature  -20 °C 70 °C  Relative air humidity  5 · 95%  Degree of protection  IP65  Note on degree of protection  In assembled 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  Pressure measuring range  -0.1 MPa 0.1 MPa  Pressure measuring range  -1 bar 1 bar	Approval	RCM trademark
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-B1/B2-L  Storage temperature  -20 °C 70 °C  Relative air humidity  5 · 95%  Degree of protection  IP65  Note on degree of protection  In assembled 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  Pressure measuring range  -0.1 MPa 0.1 MPa  Pressure measuring range  -1 bar 1 bar	KC mark	KC-EMV
Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Ester oil < 0.1 mg/m³, according to ISO 8573-1:2010 [-:-:2] Lubricated operation 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  In assembled 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  Pressure measuring range  -0.1 MPa 0.1 MPa  Pressure measuring range  -1 bar 1 bar	CE mark (see declaration of conformity)	
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-B1/B2-L  Storage temperature  -20 °C 70 °C  Relative air humidity  5 - 95%  Degree of protection  IP65  Note on degree of protection  In assembled state  Pilot medium  Compressed air to ISO 8573-1:2010 [7:4:-]  Ambient temperature  -5 °C 50 °C  Nominal altitude of use  4 = 2000 m NHN  Max. installation height  2000 m  Product weight  Pressure measuring range  -0.1 MPa 0.1 MPa  Pressure measuring range  -1 bar 1 bar	UKCA marking (see declaration of conformity)	To UK instructions for EMC
Lubricated operation 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 assembled state  Pilot medium  Compressed air to ISO 8573-1:2010 [7:4:-]  Ambient temperature  -5 °C 50 °C  Nominal altitude of use  4= 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	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity  VDMA24364-B1/B2-L  Storage temperature  -20 °C 70 °C  Relative air humidity  5 - 95%  Degree of protection  Note on degree of protection  In assembled 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	Note on operating and pilot medium	
Storage temperature -20 °C 70 °C Relative air humidity 5 - 95%  Degree of protection IP65  Note on degree of protection In assembled 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	Corrosion resistance class CRC	2 - Moderate corrosion stress
Relative air humidity 5 - 95%  Degree of protection IP65  Note on degree of protection In assembled 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	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Degree of protection IP65  Note on degree of protection In assembled 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	Storage temperature	-20 °C 70 °C
Note on degree of protection  In assembled 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	Relative air humidity	5 - 95%
Pilot medium  Compressed air to ISO 8573-1:2010 [7:4:-]  Ambient temperature  -5 °C 50 °C  Nominal altitude of use  (= 2000 m NHN  2000 m  Product weight  68 g  Pressure measuring range  -0.1 MPa 0.1 MPa  Pressure measuring range  -1 bar 1 bar	Degree of protection	IP65
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	Note on degree of protection	In assembled state
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	Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:-]
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	Ambient temperature	-5 ℃ 50 ℃
Product weight 68 g  Pressure measuring range -0.1 MPa 0.1 MPa  Pressure measuring range -1 bar 1 bar	Nominal altitude of use	<= 2000 m NHN
Pressure measuring range -0.1 MPa 0.1 MPa Pressure measuring range -1 bar 1 bar	Max. installation height	2000 m
Pressure measuring range -1 bar 1 bar	Product weight	68 g
<u> </u>	Pressure measuring range	-0.1 MPa 0.1 MPa
Pressure measuring range -14.5 psi 14.5 psi	Pressure measuring range	-1 bar 1 bar
	Pressure measuring range	-14.5 psi 14.5 psi

Feature	Value
Accuracy in ± % FS	3 %FS
Reproducibility of switching values FS	1 %
Electrical control	AP interface
Communication interface, protocol	AP-COM
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	PA-reinforced
Material cover	PA-reinforced
Material seals	HNBR NBR
Material receiver nozzle	POM
Material foil	Polyester
Material housing	PA-reinforced
Material sleeve	Wrought aluminium alloy
Material clip	High-alloy stainless steel
Material nut	High-alloy stainless steel
Material o-ring	HNBR NBR
Material adjusting screw	PA-reinforced
Material silencer	PP PU foam
Material screws	High-alloy stainless steel
Material transmitter nozzle	Wrought aluminium alloy