Manifold sub-base VABX-A-S-EL-E12-API-SHUH-XL

FESTO

Part number: 8189593





Data sheet

Feature	Value
Size	1 2
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
Connection position	At the side
Reverse polarity protection	yes
Diagnostics via LED	Diagnostics per module
Diagnose per internal communication	Load supply undervoltage PL Logic supply undervoltage PS
Valve manifold design	Valve sizes can be mixed
Max. no. of solenoid coils	128
Module parameters	Configuration of voltage monitoring, load supply PL Response in error state
Compatible with	Valve terminal VTUX-A-S
Dimensions W x L x H	45.6 mm x 117.4 mm x 53.9 mm
Fuse protection (short circuit)	Internal electronic fuse per channel
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 13 mA
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Power consumption at 24 VDC	650 mW
Max. power supply	2 x 4 A (external fuse required)
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

Contamination level 2 Permissible voltage fluctuations for electronics/sensors 4 25 % Power supply, function Incoming electronics/sensors and load Power supply, function Societ Power supply, function Outgoing electronics/sensors and load Voltage forwarding, function Outgoing electronics/sensors and load Voltage forwarding, connection type Socket Voltage forwarding, connection to therbooky Voltage forwarding, number of pins/wires 4 Undervoltage load/valves (diagnostic message) 21.1 V Conference Society Voltage forwarding, number of pins/wires 4 Use Camaking (see declaration of conformity) RC Emaking (see decla	Feature	Value
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Power supply, type of connection Power supply, connection technology Most, A-coded as per EN 61076-2-104 Power supply, moment of priss/wires 4 Voltage forwarding, connection type Voltage forwarding, connection plans/wires 4 Inderevoltage load/valves (diagnostic message) 21.1 V Certification RCM compliance mark KC EMAC CEMAC CEMA	Permissible voltage fluctuations load	± 10%
Power supply, type of connection Power supply, connection technology Most, A-coded as per EN 61076-2-104 Power supply, moment of priss/wires 4 Voltage forwarding, connection type Voltage forwarding, connection plans/wires 4 Inderevoltage load/valves (diagnostic message) 21.1 V Certification RCM compliance mark KC EMAC CEMAC CEMA		Incoming electronics/sensors and load
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Voltage forwarding, number of pins/wires 4 Undervoltage load/valves (diagnostic message) 21.1 V 8.CM compliance mark KC characters KC Emarking (see declaration of conformity) KS characters KC Emarking (see declaration of conformity) LIKCA marking (see declaration of conformity) TO UK instructions for EMC TO UK Roth's Instructions Corrosion resistance class (CRC) 2 - Moderate corrosion stress Corrosion resistance class (CRC) 2 - Moderate corrosion stress Corrosion fesistance class (CRC) 2 - Moderate corrosion stress VDMAy4364-81/82-1 Storage temperature 120 °C,70° °C Relative air humidity 5 - 95 % Protection against direct and indirect contact PELV SELV Serve of protection Unused connections sealed Overvoltage category II Ambient temperature 1-5 °C,50 °C Nominal altitude of use above sea level 4 - 2000 m NHN Max. installation height 3500 m Max. displacing torque for wall mounting 6 Nm Product weight Electrical actuation AP interface Max. address capacity outputs 4 byte Max. cable length 50 m Communication interface, connection technology Communication interface, protocol AP Communication interface, protocol AP Communication interface, protocol AP Communication interface, connection technology Communication interface, protocol AP Communication interface, protocol AP Communication interface, protocol AP Communication interface, connection technology Mixth through-hole for M5 screw Type of mounting With through-hole for M5 screw Type of mounting With through-hole for M5 screw Type of mounting Peneumatic connection 5 Note on materials Note on materials Note on materials Polyester High-alloy stainless steel		M8x1, A-coded as per EN 61076-2-104
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Relative air humidity 5 - 95 % Protection against direct and indirect contact PELV SELV Degree of protection IP65 Note on degree of protection Unused connections sealed Overvoltage category II Unused connections sealed Nominal altitude of use above sea level	LABS (PWIS) conformity	VDMA24364-B1/B2-L
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Note on degree of protection Overvoltage category II Ambient temperature -5 °C50 °C Nominal altitude of use above sea level -2 000 m NHN Max. installation height 3500 m Max. dishlening torque for wall mounting Froduct weight 150 g Electrical actuation AP interface Max. address capacity outputs 4 byte Max. cable length 50 m Communication interface, function Communication interface, connection type Communication interface, onnection technology MBX1, D-coded as per EN 61076-2-114 Communication interface, shielding yes Cable outlet Straight Sub-base mounting type With through-hole Type of mounting Pround in the form of the minimum	Protection against direct and indirect contact	
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Nominal altitude of use above sea level Max. installation height 3500 m Max. tightening torque for wall mounting 6 Nm Product weight 150 g Electrical actuation AP interface Max. address capacity outputs 4 byte Max. cable length 50 m Communication interface, function Communication interface, function System communication XF10 IN / XF20 OUT Communication interface, connection type 2x socket Communication interface, connection technology M8x1, D-coded as per EN 61076-2-114 Communication interface, number of pins/wires 4 Communication interface, shielding yes Cable outlet Straight Sub-base mounting type With through-hole Type of mounting Preumatic connection 5 For 15 mm cartridge Pheumatic connection 5 For 15 mm cartridge Note on materials Material of sub-base PA-reinforced Cover material PA-reinforced Seals material Pleyester High-alloy stainless steel	Overvoltage category	II.
Max. installation height Max. tightening torque for wall mounting Froduct weight Electrical actuation AP interface Max. address capacity outputs 4 byte Max. cable length Communication interface, function Communication interface, connection type Communication interface, connection technology Max.1, D-coded as per EN 61076-2-114 Communication interface, number of pins/wires 4 Communication interface, protocol AP Communication interface, shielding yes Cable outlet Straight Sub-base mounting type With through-hole Type of mounting Preumatic connection 1 For 15 mm cartridge Mexing Communication interface RohS-compliant Material of sub-base Cover material NBR Fillm material Polyester Sleeve material	Ambient temperature	-5 °C50 °C
Max. tightening torque for wall mounting Product weight 150 g Electrical actuation AP interface Max. address capacity outputs 4 byte Max. cable length 50 m Communication interface, function System communication XF10 IN / XF20 OUT Communication interface, connection type 2x socket Communication interface, connection technology M8x1, D-coded as per EN 61076-2-114 Communication interface, number of pins/wires 4 Communication interface, protocol AP Communication interface, shielding yes Cable outlet Straight Sub-base mounting type With through-hole Type of mounting with through-hole for M5 screw Pneumatic connection 1 For 15 mm cartridge Pneumatic connection 5 For 15 mm cartridge Note on materials ROHS-compliant Material of sub-base Cover material PA-reinforced Seals material NBR Film material High-alloy stainless steel	Nominal altitude of use above sea level	<= 2000 m NHN
Product weight Electrical actuation AP interface Max. address capacity outputs 4 byte Max. cable length 50 m Communication interface, function System communication XF10 IN / XF20 OUT Communication interface, connection type 2x socket Communication interface, connection technology M8x1, D-coded as per EN 61076-2-114 Communication interface, number of pins/wires 4 Communication interface, protocol AP Communication interface, shielding yes Cable outlet Straight Sub-base mounting type Type of mounting with through-hole Type of mounting Pneumatic connection 1 For 15 mm cartridge Note on materials RoHS-compliant Material of sub-base Cover material PA-reinforced Seals material NBR Film material Polyester High-alloy stainless steel	Max. installation height	3500 m
Electrical actuation AP interface Max. address capacity outputs 4 byte Max. cable length 50 m Communication interface, function System communication XF10 IN / XF20 OUT Communication interface, connection type 2x socket Communication interface, connection technology M8x1, D-coded as per EN 61076-2-114 Communication interface, number of pins/wires 4 Communication interface, protocol AP Communication interface, shielding yes Cable outlet Straight Sub-base mounting type With through-hole Type of mounting with through-hole for M5 screw Pneumatic connection 1 For 15 mm cartridge Pneumatic connection 5 For 15 mm cartridge Note on materials RoHS-compliant Material of sub-base Cover material PA-reinforced Seals material Polyester Sleeve material High-alloy stainless steel	Max. tightening torque for wall mounting	6 Nm
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Max. cable length Communication interface, function System communication XF10 IN / XF20 OUT Communication interface, connection type 2x socket Communication interface, connection technology M8x1, D-coded as per EN 61076-2-114 Communication interface, number of pins/wires 4 Communication interface, protocol AP Communication interface, shielding yes Cable outlet Sub-base mounting type With through-hole Type of mounting with through-hole for M5 screw Pneumatic connection 1 For 15 mm cartridge Pneumatic connection 5 For 15 mm cartridge Note on materials RoHS-compliant Material of sub-base PA-reinforced Cover material NBR Film material Polyester Sleeve material High-alloy stainless steel	Electrical actuation	AP interface
Communication interface, function Communication interface, connection type 2x socket Communication interface, connection technology M8x1, D-coded as per EN 61076-2-114 Communication interface, number of pins/wires 4 Communication interface, protocol AP Communication interface, shielding yes Cable outlet Straight Sub-base mounting type With through-hole Type of mounting with through-hole for M5 screw Pneumatic connection 1 For 15 mm cartridge Pneumatic connection 5 For 15 mm cartridge Note on materials RoHS-compliant Material of sub-base Cover material PA-reinforced Seals material NBR Film material Polyester Sleeve material	Max. address capacity outputs	4 byte
Communication interface, connection type 2x socket Communication interface, connection technology M8x1, D-coded as per EN 61076-2-114 Communication interface, number of pins/wires 4 Communication interface, protocol AP Communication interface, shielding Cable outlet Straight Sub-base mounting type With through-hole Type of mounting Preumatic connection 1 For 15 mm cartridge Preumatic connection 5 For 15 mm cartridge Note on materials RoHS-compliant Material of sub-base Cover material Material PA-reinforced Seals material NBR Film material High-alloy stainless steel	Max. cable length	50 m
Communication interface, connection technology Communication interface, number of pins/wires 4 Communication interface, protocol AP Communication interface, shielding Cable outlet Sub-base mounting type Type of mounting Pneumatic connection 1 For 15 mm cartridge Pneumatic connection 5 For 15 mm cartridge Note on materials Material of sub-base Cover material Seals material NBR Film material Sleeve material Mix1, D-coded as per EN 61076-2-114 AP AP AP AP AP AP AP AP AP A	Communication interface, function	System communication XF10 IN / XF20 OUT
Communication interface, number of pins/wires Communication interface, protocol Communication interface, shielding Cable outlet Straight Sub-base mounting type With through-hole Type of mounting Pneumatic connection 1 For 15 mm cartridge Pneumatic connection 5 For 15 mm cartridge Note on materials RoHS-compliant Material of sub-base Cover material PA-reinforced Cover material Seals material NBR Film material Polyester Sleeve material High-alloy stainless steel	Communication interface, connection type	2x socket
Communication interface, protocol Communication interface, shielding Cable outlet Straight Sub-base mounting type With through-hole Type of mounting Pneumatic connection 1 For 15 mm cartridge Pneumatic connection 5 For 15 mm cartridge Note on materials RoHS-compliant Material of sub-base PA-reinforced Cover material PA-reinforced Seals material NBR Film material Sleeve material High-alloy stainless steel	Communication interface, connection technology	M8x1, D-coded as per EN 61076-2-114
Communication interface, shielding Cable outlet Straight Sub-base mounting type With through-hole Type of mounting Pneumatic connection 1 For 15 mm cartridge Pneumatic connection 5 For 15 mm cartridge Note on materials RoHS-compliant Material of sub-base PA-reinforced Cover material PA-reinforced Seals material NBR Film material Polyester Sleeve material High-alloy stainless steel	Communication interface, number of pins/wires	4
Communication interface, shielding Cable outlet Straight Sub-base mounting type With through-hole Type of mounting Pneumatic connection 1 For 15 mm cartridge Pneumatic connection 5 For 15 mm cartridge Note on materials RoHS-compliant Material of sub-base PA-reinforced Cover material PA-reinforced Seals material NBR Film material Polyester Sleeve material High-alloy stainless steel	Communication interface, protocol	AP
Sub-base mounting type Type of mounting with through-hole for M5 screw Pneumatic connection 1 For 15 mm cartridge Pneumatic connection 5 For 15 mm cartridge Note on materials RoHS-compliant Material of sub-base PA-reinforced Cover material PA-reinforced Seals material NBR Film material Polyester Sleeve material High-alloy stainless steel	Communication interface, shielding	yes
Type of mounting with through-hole for M5 screw Pneumatic connection 1 For 15 mm cartridge Pneumatic connection 5 For 15 mm cartridge Note on materials RoHS-compliant Material of sub-base PA-reinforced Cover material PA-reinforced Seals material NBR Film material Polyester Sleeve material High-alloy stainless steel	Cable outlet	Straight
Type of mounting with through-hole for M5 screw Pneumatic connection 1 For 15 mm cartridge Pneumatic connection 5 For 15 mm cartridge Note on materials RoHS-compliant Material of sub-base PA-reinforced Cover material PA-reinforced Seals material NBR Film material Polyester Sleeve material High-alloy stainless steel	Sub-base mounting type	With through-hole
Pneumatic connection 5 For 15 mm cartridge Note on materials RoHS-compliant Material of sub-base PA-reinforced Cover material PA-reinforced Seals material NBR Film material Polyester Sleeve material High-alloy stainless steel	Type of mounting	
Note on materials Material of sub-base PA-reinforced Cover material PA-reinforced PA-reinforced NBR Film material Polyester Sleeve material High-alloy stainless steel	Pneumatic connection 1	For 15 mm cartridge
Material of sub-base PA-reinforced Cover material PA-reinforced Seals material NBR Film material Polyester Sleeve material High-alloy stainless steel	Pneumatic connection 5	For 15 mm cartridge
Material of sub-base PA-reinforced Cover material PA-reinforced Seals material NBR Film material Polyester Sleeve material High-alloy stainless steel	Note on materials	RoHS-compliant
Seals material NBR Film material Polyester Sleeve material High-alloy stainless steel	Material of sub-base	
Film material Polyester Sleeve material High-alloy stainless steel	Cover material	PA-reinforced
Sleeve material High-alloy stainless steel	Seals material	NBR
	Film material	Polyester
Clip material High-alloy stainless steel	Sleeve material	High-alloy stainless steel
	Clip material	High-alloy stainless steel

Feature	Value
Nut material	High-alloy stainless steel