

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

Part number: 8189593

FESTO



 General operating condition

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
Communication interface, connection pattern	00995937
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	0.65 W
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
Protocol	AP
Contamination level	2
Permissible voltage fluctuations for electronics/sensors	± 25 %
Permissible voltage fluctuations load	± 10%
Power supply, function	Incoming electronics/sensors and load
Power supply, type of connection	Socket

Feature	Value
Power supply, connection technology	M8x1, A-coded as per EN 61076-2-104
Power supply, number of pins/wires	4
Power supply, connection pattern	00991171
Voltage forwarding, function	Outgoing electronics/sensors and load
Voltage forwarding, connection type	Socket
Voltage forwarding, connection technology	M8x1, A-coded as per EN 61076-2-104
Voltage forwarding, number of pins/wires	4
Voltage forwarding, connection pattern	00991872
Undervoltage load/valves (diagnostic message)	≤21.1 V
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 To UK RoHS instructions
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 %
Protection against direct and indirect contact	PELV SELV
Degree of protection	IP65
Note on degree of protection	Unused connections sealed
Overvoltage category	II
Ambient temperature	-5 °C ... 50 °C
Nominal altitude of use above sea level	≤ 2000 m NHN
Max. installation height	3500 m
Max. tightening torque for wall mounting	6 Nm
Product weight	150 g
Electrical actuation	AP interface
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	PA-reinforced
Cover material	PA-reinforced
Seals material	NBR
Film material	Polyester
Sleeve material	High-alloy stainless steel
Clip material	High-alloy stainless steel
Nut material	High-alloy stainless steel