Manifold subbase
VABX-A-P-EL-E12-API-SHUH

Part number: 8189592
New

FESTO

Data sheet

Feature	Value
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Communication interface, connection pattern	00995937
Position of connection	At the side
Polarity protected	Yes
Diagnostics via LED	Diagnostics per module Power supply load
Diagnostics per internal communication	Load switch-off Electronics/sensors overvoltage Electronics/sensors undervoltage
Max. number of valve positions	32
Valve manifold structure	Valve sizes can be mixed
Max. number of solenoid coils	32
Module parameters	Response in error state Configuration of voltage monitoring load supply PL
Dimensions W x L x H	45 mm x 104,3 mm x 53,3 mm
Protection (short circuit)	Internal electronic fuse protection per channel
Inductive protective circuit	Integrated
Intrinsic current consumption at nominal operating voltage for electronics/sensors	typ. 27 mA
Intrinsic current consumption at nominal operating voltage load	Typ. 13 mA
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Power consumption at 24VDC	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 outputs	24 V
Power failure buffering	10 ms
Electrical isolation of outputs between channel - internal communication	Yes
Degree of contamination	2
Permissible voltage fluctuations for electronics/sensors	± 25 %
Permissible voltage fluctuations, load	± 10 %
Power supply, function	Incoming electronics/sensors and load
Power supply, connection technology	M8x1, A-coded to EN 61076-2-104
Power supply, number of pins/wires	4
Power transmission, function	Outgoing electronics/sensors and load
Power transmission, connection type	Plug socket
Power transmission, connection technology	M8x1, A-coded to EN 61076-2-104
Power transmission, number of pins/wires	4
Power transmission, plug pattern	00991872
Undervoltage load/valves (diagnostic message)	<= 21.1 V
Authorization	RCM Mark
KC mark	KC-EMV
CE symbol (see declaration of conformity)	according to EU-EMV guideline

Feature	Value
	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Storage temperature	-20 ... 70 °C
Relative air humidity	5 - 95 %
Protection against direct and indirect contact	Safety extra-low voltage with safe disconnection (PELV) Protection by safety extra-low voltage (SELV)
Protection class	IP65
Overvoltage category	II
Ambient temperature	-5 ... 50 °C
Nominal altitude of use	‹ 3000 m NHN
Max. tightening torque, wall mounting	6 Nm
Product weight	144.8 g
Maximum address volume for outputs	4 Byte
Max. line length	50 m system communication
Communication interface, function	System communication XF10 IN / XF20 OUT
Communication interface, connection type	2x socket
Communication interface, connection technology	M8x1, D-coded in accordance with EN 61076-2-114
Communication interface, number of pins/wires	4
Communication interface, protocol	AP-COM
Communication interface, screening	Yes
Mounting method for subbase	with through hole
Mounting type	Tie rod
Pneumatic connection, port 1	für Cartridge 15 mm
Pneumatic connection, port 5	für Cartridge 15 mm
Materials note	Conforms to RoHS
Material of connecting plate	PA-reinforced
Material cover	PA-reinforced
Material seals	NBR
Material foil	Polyester
Material sleeve	High alloy steel, non-corrosive
Material clip	High alloy steel, non-corrosive
Material nut	High alloy steel, non-corrosive