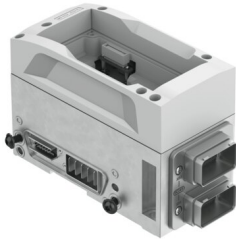


Pneumatic interface VABA-S6-1-X5-F4

Part number: 8154039

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Note on vibration resistance	SG2 on wall mounting
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Note on shock resistance	SG2 on wall mounting
Valve manifold interface	Type 44, VTSA Type 45, VTSA-F
Reverse polarity protection	yes
Diagnostics via LED	Diagnostics per module Load power supply
Diagnose per internal communication	Load switch-off Communication error Short-circuit/overload in output signal Electronics/sensors overvoltage Load overvoltage Electronics/sensors undervoltage Load undervoltage
Max. no. of valve positions	16 for bistable pneumatic valves 32 for monostable pneumatic valves
Max. no. of solenoid coils	32
Module code (hex/dec)	0x3045/12357d
Module parameters	Activation of diagnosis in case of overload/short circuit Condition counter limit/actual value Configuration of voltage monitoring, load supply PL Response in error state
Internal cycle time	< 1 ms
Dimensions W x L x H	70.5 mm x 160.65 mm x 102.6 mm
Fuse protection (short circuit)	Internal electronic fuse per pneumatic valve output
Intrinsic current consumption at nominal operating voltage for electronics/sensors	typically 27 mA
Intrinsic current consumption at nominal operating voltage load	typically 17 mA
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Max. power supply	2 x 16 A (external fuse required)
Nominal operating voltage DC for electronics/sensors	24 V
Nominal operating voltage DC load	24 V
Nominal current	16 A
Power failure buffering	10 ms
Potential separation between the supply voltages electronics/sensor technology and load/valves	yes

Feature	Value
Contamination level	2
Permissible voltage fluctuations for electronics/sensors	± 25 %
Permissible voltage fluctuations load	± 10%
Power supply, function	Incoming electronics/sensors and load and functional earth
Power supply, type of connection	Plug
Power supply, connection technology	Push-pull as per IEC 61076-3-126
Power supply, number of pins/wires	5
Power supply, connection pattern	00997378
Voltage forwarding, function	Outgoing electronics/sensors and load and functional earth
Voltage forwarding, connection type	Socket
Voltage forwarding, connection technology	Push-pull as per IEC 61076-3-126
Voltage forwarding, number of pins/wires	5
Voltage forwarding, connection pattern	00997378
Undervoltage load/valves (diagnostic message)	≤21.6 V
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Storage temperature	-20 °C ... 70 °C
Relative air humidity	5 - 95 % Non-condensing
Protection class	III
Overvoltage category	II
Ambient temperature	-20 °C ... 50 °C
Note on ambient temperature	Observe ambient temperature derating according to IEC 61131-2:2017
Nominal altitude of use above sea level	≤ 2000 m ASL (≥ 79.5 kPa)
Max. installation height	3500 m
Information on max. installation height	> 2000 m ASL (< 79.5 kPa) Observe ambient temperature derating according to IEC 61131-2:2017
Product weight	1328 g
Electrical actuation	Fieldbus
Communication interface, protocol	AP
Type of mounting	with through-hole for M6 screw
Note on materials	RoHS-compliant Halogen-free Free of phosphoric acid ester
Cover material	Zinc die-cast metal, powder-coated
Seals material	NBR PUR
Material of flange	Die-cast zinc, nickel-plated
Housing material	Aluminum
Material of screws	Steel, nickel-plated