

# Pneumatic interface VABA-S6-1-X5-F5-CB

Part number: 8154041

**FESTO**



## 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 46, VTSA-F-CB
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	12 for bistable pneumatic valves 24 for monostable pneumatic valves
Max. no. of solenoid coils	24
Module code (hex/dec)	0x3043/12355d
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 142 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 40 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
Nominal operating voltage DC for electronics/sensors	24 V
Nominal operating voltage DC load	24 V
Power failure buffering	10 ms

Feature	Value
Electrical isolation between channel and internal bus	Yes, when using an additional supply for the pneumatic valves
Potential separation between the supply voltages electronics/sensor technology and load/valves	yes
Contamination level	2
Permissible voltage fluctuations for electronics/sensors	± 25 %
Permissible voltage fluctuations load	± 10%
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	1238 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
Housing material	Aluminum
Material of screws	Steel, nickel-plated