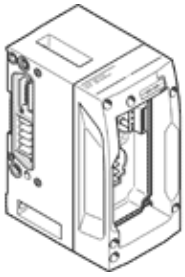
pneumatic interface
VABA-S6-1-X5-F4

Part number: 8154039

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
Note on vibration resistance	SG2 on wall mounting
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Note on shock resistance	SG2 on wall mounting
Valve terminal interface	Type 44, VTSA Typ 45, VTSA-F
Polarity protected	Yes
Diagnostics via LED	Diagnostics per module Power supply load
Diagnostics per internal communication	Load switch-off Short-circuit/overload output signal Communication error Electronics/sensors overvoltage Load overvoltage Electronics/sensors undervoltage Load undervoltage
Max. number of valve positions	16 with bistable valves 32 with monostable valves
Max. number of solenoid coils	32
Module code (hex/dec)	0x3045/12357d
Module parameters	Activation of diagnostics in case of overload/short circuit Condition counter limit value/actual value Response in error state Configuration of voltage monitoring load supply PL
Internal cycle time	‹ 1 ms
Dimensions W x L x H	70,5 mm x 160,65 mm x 102,6 mm
Protection (short circuit)	Internal electronic fuse protection per valve output
Intrinsic current consumption at nominal operating voltage for electronics/sensors	typ. 27 mA
Intrinsic current consumption at nominal operating voltage load	typ. 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 outputs	24 V
Nominal current	16 A
Power failure buffering	10 ms
Potential separation between the supply voltages electronics/sensors and load/valves	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 and functional earth
Power supply, type of connection	Plug

Feature	Value
Power supply, connection technology	Push-pull according to IEC 61076-3-126
Power supply, number of pins/wires	5
Power transmission, function	Outgoing electronics/sensors and load and functional earth
Power transmission, connection type	Plug socket
Power transmission, connection technology	Push-pull according to IEC 61076-3-126
Power transmission, number of pins/wires	5
Power transmission, plug pattern	00997378
Undervoltage load/valves (diagnostic message)	<= 21.6 V
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364-B2-L
Storage temperature	-20 ... 70 °C
Relative air humidity	5 - 95 % non-condensing
Safety class	III
Overvoltage category	II
Ambient temperature	-20 ... 50 °C
Note on ambient temperature	Note ambient temperature derating according to IEC 61131-2:2017
Nominal altitude of use	<= 2000 m ASL (> 79,5 kPa)
Max. installation height	3,500 m
Note on max. installation height	> 2000 m ASL (< 79,5 kPa) Note ambient temperature derating according to IEC 61131-2:2017
Product weight	1,328 g
Electrical connection	Fieldbus
Communication interface, protocol	AP
Mounting type	Via through-hole for M6 screw
Materials note	Conforms to RoHS Halogen-free Free of phosphoric acid ester
Material cover	Powder-coated die-cast zinc
Material seals	NBR PUR
Material flange	Nickel-plated die-cast zinc
Material housing	Aluminium
Material screws	Steel, nickel-plated