Pneumatic interface
VABA-S6-1-X5-F5

Part number: 8233919



Data sheet

Feature	Value
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Note on vibration resistance	SG2 on wall mounting
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Note on shock resistance	SG2 on wall mounting
Valve terminal interface	Type 44, VTSA Type 45, VTSA-F
Reverse polarity protection	Yes
Diagnostics via LED	Diagnostics per module Load power supply
Diagnostics per internal communication	Switch-off load supply Communication error Short-circuit/overload in output signal Electronics/sensors overvoltage Load overvoltage Electronics/sensors undervoltage Load undervoltage
Max. number of valve positions	16 with double solenoid valves 32 with single solenoid valves
Max. number of valve coils	32
Note on the maximum number of valve coils	24 can be switched on simultaneously 32 can be switched on one after the other
Module code (hex/dec)	0x3047/12359d
Module parameters	Activation of diagnostics in case of overload/short circuit Condition counter limit value/actual value Configuration of voltage monitoring load supply PL Behaviour 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 protection per valve output
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 40 mA
Intrinsic current consumption at nominal operating voltage load	Typical 17 mA
Note regarding operating voltage	SELV/PELV fixed power supplies required Note the voltage drop
Nominal DC operating voltage, electronics/sensors	24 V

Feature	Value
Nominal operating voltage DC of load	24 V
Power failure bridging	10 ms
Isolation channel - internal bus	Yes, when using an additional power supply for the valves
Potential separation between the supply voltages electronics/sensor technology and load/valves	Yes
Pollution degree	2
Permissible voltage fluctuations for electronics/sensors	±25%
Permissible voltage fluctuation of 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	<= 2000 m ASL (> 79.5 kPa)
Max. installation height	3500 m
Note on max. installation height	> 2000 m ASL (< 79.5 kPa) Observe ambient temperature derating according to IEC 61131-2:2017
Product weight	1239 g
Electrical control	Fieldbus
Communication interface, protocol	AP
Type of mounting	Via through-hole for M6 screw
Note on materials	RoHS compliant Free of halogen Free of phosphoric acid ester
Material cover	Zinc die-cast metal, powder-coated
Material seals	NBR PUR
Material housing	Aluminium
Material screws	Nickel-plated steel