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

Part number: 8154041



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 46, VTSA-F-CB
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	12 with double solenoid valves 24 with single solenoid valves
Max. number of valve coils	24
Module code (hex/dec)	0x3043/12355d
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
Nominal operating voltage DC of load	24 V
Power failure bridging	10 ms

Feature	Value
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	1238 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