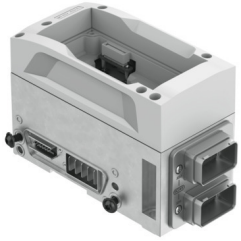
Pneumatic interface
VABA-S6-1-X5-F4

Part number: 8154039



General operating condition

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	Load switch-off Communication fault Short-circuit/overload in output signal 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 valve 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 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 protection per 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 DC operating voltage, electronics/sensors	24 V
Nominal operating voltage DC of load	24 V
Nominal current	16 A
Power failure bridging	10 ms
Potential separation between the supply voltages electronics/sensor technology and load/valves	Yes

Feature	Value
Pollution degree	2
Permissible voltage fluctuations for electronics/sensors	± 25%
Permissible voltage fluctuation of load	± 10%
Power supply, function	Incoming electronics/sensors and load and functional earth
Power supply, connection type	Plugs
power supply, connection system	Push-pull to IEC 61076-3-126
Power supply, number of pins/wires	5
Power supply, connection pattern	00997378
Power transmission, function	Outgoing electronics/sensors and load and functional earth
Power transmission, connection type	Socket
Power transmission, connection technology	Push-pull 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 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	1328 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 flange	Die-cast zinc, nickel-plated
Material housing	Aluminium
Material screws	Nickel-plated steel