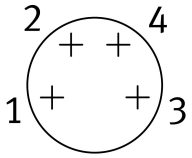
Manifold sub-base
VABX-A-S-EL-E12-API-SHUH-XL

Part number: 8189593





Data sheet

Feature	Value
Size	1 2
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Position of connection	On the side
Reverse polarity protection	Yes
Diagnostics via LED	Diagnostics per module
Diagnostics per internal communication	Load supply undervoltage PL Logic supply undervoltage PS
Valve terminal structure	Valve sizes can be mixed
Max. number of valve coils	150
Module parameters	Configuration of voltage monitoring load supply PL Behaviour in error state
Compatible with	Valve terminal VTUX-A-S
Dimensions (W x L x H)	45.6 mm x 117.4 mm x 53.9 mm
Fuse protection (short circuit)	Internal electronic fuse per channel
Inductive protective circuit	Integrated
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typical 27 mA
Intrinsic current consumption at nominal operating voltage load	Typical 13 mA
Note regarding operating voltage	SELV/PELV fixed power supplies required Note the voltage drop
Power consumption at 24VDC	650 mW
Max. power supply	2 x 4 A (external fuse required)
Nominal DC operating voltage, electronics/sensors	24 V
Nominal operating voltage DC of load	24 V
Power failure bridging	10 ms
Electrical isolation of outputs between channel - internal communication	Yes
Potential separation between the supply voltages electronics/sensor technology and load/valves	Yes

Feature	Value
Protocol	AP
Pollution degree	2
Permissible voltage fluctuations for electronics/sensors	±25%
Permissible voltage fluctuation of load	±10%
Power supply, function	Incoming electronics/sensors and load
Power supply, connection type	Plug
power supply, connection system	M8x1, A-coded to EN 61076-2-104
Power supply, number of pins/wires	4
Power transmission, function	Outgoing electronics/sensors and load
Power transmission, connection type	Socket
Power transmission, connection technology	M8x1, A-coded to EN 61076-2-104
Power transmission, number of pins/wires	4
Undervoltage load/valves (diagnostic message)	21.1 V
Approval	RCM
KC mark	KC-EMV
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C...70 °C
Relative air humidity	5 - 95%
Protection against direct and indirect contact	PELV Safety extra-low voltage
Degree of protection	IP65
Note on degree of protection	Unused connections sealed
Overvoltage category	II
Ambient temperature	-5 °C...50 °C
Nominal altitude of use	<= 2000 m NHN
Max. installation height	3500 m
Max. tightening torque wall mounting	6 Nm
Product weight	150 g
Electrical control	AP interface
Max. cable length	50 M
Communication interface, function	System communication XF10 IN / XF20 OUT
Communication interface, connection type	2x socket
Communication interface, connection technology	M8x1, D-coded according to EN 61076-2-114
Communication interface, number of pins/cores	4
Communication interface, protocol	AP
Communication interface, screened	Yes
Cable outlet	Straight
Mounting method for sub-base	With through-hole
Type of mounting	Via through-hole for M5 screw
Pneumatic connection, port 1	For 15 mm cartridge
Pneumatic connection, port 5	For 15 mm cartridge
Note on materials	RoHS compliant
Material sub-base	Reinforced PA
Material cover	Reinforced PA
Material seals	NBR
Material foil	Polyester
Material sleeve	High-alloy stainless steel
Material clip	High-alloy stainless steel
Material nut	High-alloy stainless steel