Electrical interface
VAEM-L1-S-24-AP

Part number: 8081923



Data sheet

Feature	Value
Dimensions (W x L x H)	42 x 91 x 30 mm
Position of connection	Top
Diagnostics via LED	Diagnostics per module Load power supply
Diagnostics per internal communication	Load switch-off Electronics/sensors overvoltage Load overvoltage Electronics/sensors undervoltage Load undervoltage
Max. number of valve positions	24
Max. number of valve coils	48
Reverse polarity protection	yes
Module parameters	Configuration of voltage monitoring load supply PL Response in error state
Fuse protection (short circuit)	Internal electronic fuse per channel
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 34 mA
Intrinsic current consumption at nominal operating voltage load	Typically 22 mA
Nominal DC operating voltage, electronics/sensors	24 V
Nominal operating voltage DC of load	24 V
Power failure bridging	10 ms
Power failure buffering of load	3 ms
Permissible voltage fluctuations for electronics/sensors	± 25%
Permissible voltage fluctuation of load	± 10%
Max. power supply	2 x 4 A (external fuse required)
Power supply, function	Incoming electronics/sensors and load
Power supply, connection type	Plugs
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

Feature	Value
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, function	System communication XF10 IN / XF20 OUT
Communication interface, protocol	AP-COM
Communication interface, screened	yes
CE mark (see declaration of conformity)	To EU EMC Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
KC mark	KC-EMV
Max. cable length	50 m system communication
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C...60 °C
Relative air humidity	5 - 95% Non-condensing
Protection against direct and indirect contact	PELV SELV
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Degree of protection	IP65 IP67
Note on degree of protection	In assembled state Unused connections sealed
Ambient temperature	-5 °C...60 °C
Approval	RCM trademark c UL us - Recognized (OL)
Nominal altitude of use	<= 2000 m NHN
Product weight	76 g
Type of mounting	Screw-clamped
Material housing	PA-reinforced
Material threaded sleeve	Nickel-plated brass
Note on materials	RoHS-compliant