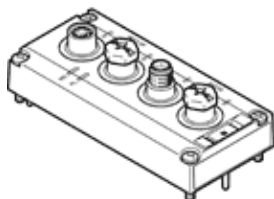


# electrical interface

## VAEM-L1-S-24-AP

Part number: 8081923

FESTO



## Data sheet

Feature	Value
Dimensions W x L x H	42 mm x 91 mm x 30 mm
Position of connection	on top
Diagnostics via LED	Diagnostics per module Power supply load
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 solenoid coils	48
Polarity protected	Yes
Module parameters	Response in error state Configuration of voltage monitoring load supply PL
Protection (short circuit)	Internal electronic fuse protection 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 operating voltage DC for electronics/sensors	24 V
Nominal operating voltage, DC outputs	24 V
Power failure buffering	10 ms
Mains buffering of load	3 ms
Permissible voltage fluctuations for electronics/sensors	± 25 %
Permissible voltage fluctuations, load	± 10 %
Max. power supply	2 x 4 A (external fuse required)
Power supply, function	Incoming electronics/sensors and load
Power supply, type of connection	Plug
Power supply, connection technology	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	Plug socket
Power transmission, connection technology	M8x1, A-coded to EN 61076-2-104
Power transmission, number of pins/wires	4
Communication interface, connection type	2x socket
Communication interface, connection technology	M8x1, D-coded to EN 61076-2-114
Communication interface, number of pins/wires	4
Communication interface, function	System communication XF10 IN / XF20 OUT
Communication interface, protocol	AP-COM
Communication interface, screening	Yes
CE mark (see declaration of conformity)	to EU directive for EMC
UKCA marking (see declaration of conformity)	To UK instructions for EMC
KC mark	KC-EMV
Max. line length	50 m system communication
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Storage temperature	-20 ... 60 °C

<b>Feature</b>	<b>Value</b>
Relative air humidity	5 - 95 % non-condensing
Protection against direct and indirect contact	Protective extra-low voltage with safe disconnection (PELV) Protection by safety extra-low voltage (SELV)
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Protection class	IP65 IP67
Note on degree of protection	in assembled condition Unused connections sealed
Ambient temperature	-5 ... 60 °C
Authorisation	RCM Mark c UL us - Recognized (OL)
Nominal altitude of use	≤ 2000 m NHN
Product weight	76 g
Mounting type	Tightened
Material housing	PA-reinforced
Material threaded sleeve	Nickel-plated brass
Materials note	Conforms to RoHS