

# Electrical interface VAEM-L1-S-12-AP

Part number: 8081922

FESTO



 General operating condition

## Data sheet

Feature	Value
Dimensions W x L x H	42 mm x 91 mm x 30 mm
Connection position	Top
Diagnostics via LED	Diagnostics per module Load power supply
Diagnose per internal communication	Electronics/sensors overvoltage Load overvoltage Electronics/sensors undervoltage Load undervoltage
Max. no. of valve positions	12
Max. no. of solenoid coils	24
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 16 mA
Nominal operating voltage DC for electronics/sensors	24 V
Nominal operating voltage DC load	24 V
Power failure buffering	10 ms
Power failure 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 as per EN 61076-2-104
Power supply, number of pins/wires	4
Voltage forwarding, function	Outgoing electronics/sensors and load
Voltage forwarding, connection type	Socket
Voltage forwarding, connection technology	M8x1, A-coded as per EN 61076-2-104
Voltage forwarding, number of pins/wires	4
Communication interface, connection type	2x socket
Communication interface, connection technology	M8x1, D-coded as per 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

Feature	Value
Communication interface, shielding	yes
CE marking (see declaration of conformity)	As per EU EMC directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
KC characters	KC EMC
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 mounted state Unused connections sealed
Ambient temperature	-5 °C ... 60 °C
Certification	RCM compliance mark c UL us - Recognized (OL)
Nominal altitude of use above sea level	≤ 2000 m NHN
Product weight	76 g
Type of mounting	Screwed tightly
Housing material	PA-reinforced
Threaded sleeve material	Brass, nickel-plated
Note on materials	RoHS-compliant