

Electrical interface VAEM-L1-S-12-AP

Part number: 8081922

FESTO



Data sheet

Feature	Value
Dimensions W x L x H	42 mm x 91 mm x 30 mm
KC characters	KC EMC
Intrinsic current consumption at nominal operating voltage load	Typically 16 mA
Module parameters	Response in error state Configuration of voltage monitoring, load supply PL
Diagnostics via LED	Diagnostics per module Load power supply
Permissible voltage fluctuations load	± 10%
Power supply, type of connection	Plug
Connection position	Top
Permissible voltage fluctuations for electronics/sensors	± 25 %
Note on degree of protection	In mounted state Unused connections sealed
Fuse protection (short circuit)	Internal electronic fuse per channel
Threaded sleeve material	Brass, nickel-plated
Power supply, function	Incoming electronics/sensors and load
Power supply, connection technology	M8x1, A-coded as per EN 61076-2-104
Nominal altitude of use above sea level	≤ 2000 m NHN
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 34 mA
Nominal operating voltage DC for electronics/sensors	24 V
Power failure buffering of load	3 ms
Power supply, number of pins/wires	4
Nominal operating voltage DC load	24 V
Communication interface, connection type	2x socket
Communication interface, function	System communication XF10 IN / XF20 OUT
Communication interface, connection technology	M8x1, D-coded as per EN 61076-2-114
Communication interface, protocol	AP-COM
Communication interface, number of pins/wires	4
Voltage forwarding, connection technology	M8x1, A-coded as per EN 61076-2-104
Diagnose per internal communication	Load switch-off Electronics/sensors overvoltage Load overvoltage Electronics/sensors undervoltage Load undervoltage
Max. power supply	2 x 4 A (external fuse required)
Voltage forwarding, connection type	Socket

Feature	Value
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Communication interface, shielding	yes
Max. cable length	50 m system communication
Voltage forwarding, function	Outgoing electronics/sensors and load
Voltage forwarding, number of pins/wires	4
Type code	VAEM
Max. no. of valve positions	12
Max. no. of solenoid coils	24
Reverse polarity protection	yes
Power failure buffering	10 ms
CE marking (see declaration of conformity)	As per EU EMC directive
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Storage temperature	-20 °C ... 60 °C
Relative air humidity	5 - 95 % Non-condensing
Protection against direct and indirect contact	PELV SELV
Degree of protection	IP65 IP67
Ambient temperature	-5 °C ... 60 °C
Certification	RCM compliance mark
Product weight	76 g
Type of mounting	Screwed tightly
Housing material	PA-reinforced
Note on materials	RoHS-compliant