

# 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   |
| KC characters  | KC EMC  |
| Intrinsic current consumption at nominal operating voltage load                    | Typically 22 mA   |
| Module parameters  | Response in error state<br>Configuration of voltage monitoring, load supply PL  |
| Diagnostics via LED  | Diagnostics per module<br>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<br>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<br>Electronics/sensors overvoltage<br>Load overvoltage<br>Electronics/sensors undervoltage<br>Load undervoltage |
| Max. power supply  | 2 x 4 A (external fuse required)  |
| Voltage forwarding, connection type  | Socket  |

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|--|--|
| Note regarding operating voltage               | SELV/PELV fixed power supplies required<br>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                    | 24   |
| Max. no. of solenoid coils                     | 48   |
| 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 %<br>Non-condensing                                   |
| Protection against direct and indirect contact | PELV<br>SELV   |
| Degree of protection                           | IP65<br>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   |