

# Electronics module VMPA1-FB-EMG-D2-8-S

Part number: 8108545

FESTO



 General operating condition

## Data sheet

| Feature                                         | Value                                                                                                                                                                  |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagnosis                                       | Condition monitoring<br>Wire break per solenoid coil<br>Short circuit of valves<br>Undervoltage of valves<br>Fault in pilot pressure supply<br>Time measurement excess |
| Max. number of valve positions                  | 4                                                                                                                                                                      |
| Max. number of valve coils                      | 7                                                                                                                                                                      |
| Parameterisation                                | Fail-safe per channel<br>Forcing per channel<br>Idle mode per channel<br>Monitoring                                                                                    |
| Reverse polarity protection                     | yes                                                                                                                                                                    |
| Operating voltage range DC electronics/sensors  | 18 V ... 30 V                                                                                                                                                          |
| Operating voltage DC load voltage               | 18 V ... 30 V                                                                                                                                                          |
| Internal current consumption, load voltage      | 6.5 mA                                                                                                                                                                 |
| Internal current consumption, operating voltage | 17 mA                                                                                                                                                                  |
| Max. number of outputs                          | 7                                                                                                                                                                      |
| Max. number of inputs                           | 1                                                                                                                                                                      |
| Nominal pick-up current per solenoid coil       | 58 mA up to 24 ms                                                                                                                                                      |
| Nominal current with current reduction          | 25 mA after 24 ms                                                                                                                                                      |
| Isolation channel - internal bus                | yes                                                                                                                                                                    |
| Corrosion resistance class CRC                  | (when installed)                                                                                                                                                       |
| LABS (PWIS) conformity                          | VDMA24364 zone III                                                                                                                                                     |
| Ambient temperature                             | -5 °C ... 50 °C                                                                                                                                                        |
| Product weight                                  | 20 g                                                                                                                                                                   |
| Electrical control                              | Fieldbus                                                                                                                                                               |
| Material housing                                | POM                                                                                                                                                                    |
| Note on materials                               | RoHS-compliant                                                                                                                                                         |