

# Electrical interface VMPA-ASI-EPL-EU-8E8A-Z

Part number: 546994

FESTO



## Data sheet

| Feature   | Value  |
|---|--|
| Dimensions W x L x H  | 85 mm x 122.9 mm x 55.1 mm   |
| Fieldbus interface  | Socket, M12 (AS-i Out)<br>Plug, M12 (AS-i In)  |
| Device-specific diagnostics   | AS-i voltage<br>AS-i address<br>Watchdog/I/O status<br>Additional supply missing or undervoltage                                 |
| Max. no. of valve positions   | 8  |
| Response delay inputs   | Typ. 3 ms at 24 V  |
| Number of slaves per device   | 2  |
| Operating voltage range DC electronics/sensors                                      | US+ / US- : $\leq$ AS-Interface bus voltage - 2.5V   |
| AS-Interface DC operating voltage range   | 26.5 V...31.6 V  |
| DC load voltage operating voltage range   | 21.6 V...26.4 V  |
| Information concerning load voltage   | Via load voltage connection (24 V DC)  |
| Logic level digital inputs  | ON: 11 - 30V<br>OFF: -30 - 5V  |
| Max. number of inputs   | 8  |
| AS interface residual ripple  | $\leq$ 20 mV <sub>SS</sub>   |
| Load voltage residual ripple  | 4 V <sub>SS</sub>  |
| Current consumption with load voltage from AS-Interface and load voltage connection | Max. total current at inputs 350 mA<br>Max. total current at outputs MPA1: 540 mA<br>Max. total current at outputs MPA2: 1065 mA |
| Corrosion resistance class (CRC)  | 1 - Low corrosion stress   |
| LABS (PWIS) conformity  | VDMA24364-B1/B2-L  |
| Storage temperature   | -20 °C...40 °C   |
| Degree of protection  | IP20   |
| Ambient temperature   | -5 °C...50 °C  |
| Product weight  | 360 g  |
| Input characteristics   | As per IEC 1131-2, type O2   |
| Input switching logic   | PNP (positive switching)   |
| Addressing range  | Standard slave: 1 ... 31   |
| LED display (bus-specific)  | AS-i: AS-Interface mode<br>Aux/Pwr: AS-Interface power supply<br>Fault: AS interface fault                                       |

| Feature                        | Value   |
|--------------------------------|---|
| LED display (product-specific) | Signal at input/output  |
| Product identification         | ID code: ID=Fh, ID1=Fh, ID2=Eh<br>IO code: 7h<br>Profile: S-7.F.E |
| Type of mounting               | Optionally:<br>With through-hole<br>With H-rail                   |
| Housing material               | Die-cast aluminum<br>PA   |
| Note on materials              | RoHS-compliant  |