

# Electrical interface VMPA-ASI-EPL-GU-4E4A-Z

Part number: 546991

FESTO



 General operating condition

## Data sheet

| Feature   | Value   |
|---|---|
| Dimensions (W x L x H)  | 85 x 122.9 x 55.1 mm  |
| Field bus interface   | Socket, M12 (ASI Out)<br>Plug connector, M12 (ASI In)   |
| Device-specific diagnostics   | AS-i voltage<br>AS-Interface address<br>Watchdog/I/O status<br>Additional power supply not applied or undervoltage                              |
| Max. number of valve positions  | 4   |
| Message delay inputs  | Typ. 3 ms at 24 V   |
| Number of slaves per device   | 1   |
| Operating voltage range DC electronics/sensors  | US+ / US- : $\leq$ AS-interface bus voltage - 2.5V  |
| Operating voltage DC AS-interface   | 26.5 V ... 31.6 V   |
| Operating voltage DC load voltage   | 21.6 V ... 26.4 V   |
| Note on load voltage  | Via load voltage connection (24 V DC)   |
| Logic level digital inputs  | ON: 11 - 30 V<br>AUS: -30 - 5 V   |
| Max. number of inputs   | 4   |
| Residual ripple, AS interface   | $\leq$ 20 mVpp  |
| Residual ripple, load voltage   | 4 Vpp   |
| Current consumption with load supply from AS-interface connection and load voltage connection | Max. resultant current for inputs 350 mA<br>Max. resultant current for outputs MPA12: 270 mA<br>Max. resultant current for outputs MPA2: 533 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   |
| Characteristic for inputs   | To IEC 1131-2, type 02  |
| Switching logic for inputs  | PNP (positive switching)  |
| Addressing range  | 1 ... 31  |
| LED display, bus-specific   | AS-i: AS-Interface mode<br>Aux/Pwr: AS-Interface power supply<br>Fault: AS-Interface fault  |
| 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.FE  |

| <b>Feature</b>    | <b>Value</b>                     |
|-------------------|----------------------------------|
| Type of mounting  | With through-hole<br>With H-rail |
| Material housing  | Die-cast aluminium<br>PA         |
| Note on materials | RoHS-compliant                   |