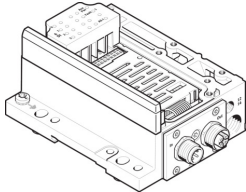


# Electrical interface VMPA-ASI-EPL-G-8E8A-Z

Part number: 546993

**FESTO**



## 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                                                                | 8                                                                                                                                               |
| Message delay inputs                                                                          | Typ. 3 ms at 24 V                                                                                                                               |
| Number of slaves per device                                                                   | 2                                                                                                                                               |
| Operating voltage range DC electronics/sensors                                                | US+ / US- : <= 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                                                                         | 8                                                                                                                                               |
| Residual ripple, AS interface                                                                 | <= 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 MPA1: 540 mA<br>Max. resultant current for 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                                                                                                                                           |
| Characteristic for inputs                                                                     | To IEC 1131-2, type 02                                                                                                                          |
| Switching logic for inputs                                                                    | 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              | With through-hole<br>With H-rail<br>Either:                       |
| Material housing              | Die-cast aluminium<br>PA                                          |
| Note on materials             | RoHS-compliant                                                    |