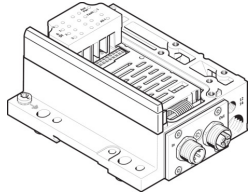


# Electrical interface VMPA-ASI-EPL-G-4E4A-Z

Part number: 546989

**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                                                         | 4                                                                                                                                |
| Response delay inputs                                                               | Typ. 3 ms at 24 V                                                                                                                |
| Number of slaves per device                                                         | 1                                                                                                                                |
| Operating voltage range DC electronics/sensors                                      | US+ / US- : <= 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                                                               | 4                                                                                                                                |
| AS interface residual ripple                                                        | <= 20 mVss                                                                                                                       |
| Load voltage residual ripple                                                        | 4 Vss                                                                                                                            |
| 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 MPA12: 270 mA<br>Max. total current at 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                                                                                                                            |
| Input characteristics                                                               | As per IEC 1131-2, type 02                                                                                                       |
| Input switching logic                                                               | 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                                       |

| 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>Optionally:                   |
| Housing material               | Die-cast aluminum<br>PA                                           |
| Note on materials              | RoHS-compliant                                                    |