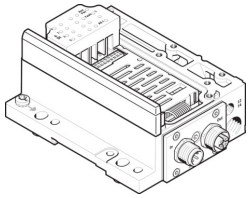
# Electrical interface
# VMPA-ASI-EPL-GU-4E4A-Z

Part number: 546991



## Data sheet

| Feature | Value |
|---|---|
| Dimensions (W x L x H) | 85 mm x 122.9 mm x 55.1 mm |
| Field bus interface | Socket, M12 (ASI Out)<br>Plug, 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- : <= 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>OFF: -30 - 5 V |
| Max. number of inputs | 4 |
| Residual ripple, AS interface | <= 20 mVpp |
| Residual ripple, load voltage | 4 Vss |
| 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 | according 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 operation<br>Aux/Pwr: AS-Interface power supply<br>Fault: AS-Interface error |

| Feature | Value |
|---|---|
| LED display, product-specific | Signal at input/output |
| Product identification | ID code: ID code: ID=Fh, ID1=Fh, ID2=Eh<br>IO code: 7h<br>Profile: S-7.F.E |
| Type of mounting | Either:<br>With through-hole<br>via DIN rail |
| Material housing | Die-cast aluminium<br>PA |
| Note on materials | RoHS compliant |