

# Electrical interface CPV10-GE-ASI-4E4A-Z-M8-CE

Part number: 552559

**FESTO**



## Data sheet

| Feature                                                                             | Value                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Fieldbus interface                                                                  | AS-Interface: flat cable plug<br>Load voltage: flat cable plug                             |
| Device-specific diagnostics                                                         | Short circuit/overload of inputs                                                           |
| Max. no. of valve positions                                                         | 4                                                                                          |
| Max. no. of solenoid coils                                                          | 4                                                                                          |
| Reverse polarity protection                                                         | for all electrical operating voltage connections                                           |
| Number of slaves per device                                                         | 1                                                                                          |
| AS-Interface DC operating voltage range                                             | 26.5 V...31.6 V                                                                            |
| Debounce time at inputs                                                             | 3 ms                                                                                       |
| Information concerning load voltage                                                 | Via load voltage connection (24 V DC)                                                      |
| Load voltage range DC                                                               | 21.6 V...26.4 V                                                                            |
| Max. number of inputs                                                               | 4                                                                                          |
| Nominal operating voltage DC AS-Interface                                           | 26.5 V                                                                                     |
| Nominal voltage DC                                                                  | 24 V                                                                                       |
| AS interface residual ripple                                                        | 20 mVss                                                                                    |
| Load voltage residual ripple                                                        | 4 Vss                                                                                      |
| Switching level                                                                     | Signal 0: $\leq 5$ V<br>Signal 1: $\geq 11$ V                                              |
| Current consumption with load voltage from AS-Interface and load voltage connection | Inputs: 200 mA<br>Electronics: 20 mA<br>Valves: 115 mA (depending on pneumatic valve type) |
| Corrosion resistance class (CRC)                                                    | 2 - Moderate corrosion stress                                                              |
| LABS (PWIS) conformity                                                              | VDMA24364-B1/B2-L                                                                          |
| Storage temperature                                                                 | -20 °C...70 °C                                                                             |
| Relative air humidity                                                               | 0 - 95%<br>Non-condensating                                                                |
| Degree of protection                                                                | IP65<br>In mounted state                                                                   |
| Ambient temperature                                                                 | -5 °C...50 °C                                                                              |
| Product weight                                                                      | 151 g                                                                                      |
| Input characteristics                                                               | As per IEC 1131-2, type 02                                                                 |
| Input switching logic                                                               | PNP (positive switching)                                                                   |
| Addressing range                                                                    | 1A ... 31A (0)                                                                             |

| Feature                               | Value                                                                                                   |
|---------------------------------------|---------------------------------------------------------------------------------------------------------|
|                                       | 1B ... 31B<br>Setting using AS-Interface addressing device                                              |
| Galvanic isolation fieldbus interface | Optocoupler                                                                                             |
| LED display (bus-specific)            | AS-i: AS-Interface operation<br>Aux/Pwr: AS-Interface power supply<br>Error: AS-Interface error         |
| LED display (product-specific)        | 0 ... 3: switching status of inputs<br>12/14: switching status of pneumatic valves (on pneumatic valve) |
| Product identification                | ID code: ID=Ah, ID1=7h, ID2=7h<br>IO code: 7h<br>Profile: S-7.A.7                                       |
| Cover material                        | PA-reinforced                                                                                           |
| Seals material                        | CR<br>NBR                                                                                               |
| Housing material                      | Die-cast aluminum                                                                                       |
| Note on materials                     | RoHS compliant                                                                                          |