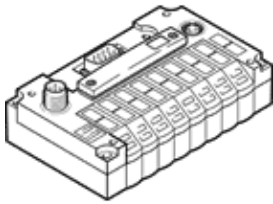


# Electrical interface

## CPV10-GE-DN2-8

Part number: 525630  
Product to be discontinued

**FESTO**



## Data sheet

| Feature                                                | Value                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CP string extension                                    | Yes<br>16 inputs<br>8 outputs (or 16 valves)                                                                                                                                                                                                                                |
| Fieldbus interface                                     | Optional<br>- 5-pin screw terminal strip<br>- Socket and plug, M12x1, 5-pin, A coded<br>- Sub-D, 9-pin, socket                                                                                                                                                              |
| Device-specific diagnostics                            | ConditionMonitoring<br>Missing module in CP string<br>Short circuit / overload, outputs<br>Short circuit / overload, inputs<br>Undervoltage, valve manifold (extension)<br>Undervoltage, output module<br>Undervoltage, sensor supply power<br>Undervoltage, valve manifold |
| Communication types                                    | Change of State<br>Polling<br>Strobbled I/O                                                                                                                                                                                                                                 |
| Configuration support                                  | EDS file and graphic symbol                                                                                                                                                                                                                                                 |
| Maximum number of solenoid coils with string extension | 32                                                                                                                                                                                                                                                                          |
| Max. number of solenoid coils                          | 16                                                                                                                                                                                                                                                                          |
| Polarity protected                                     | for all electrical connections                                                                                                                                                                                                                                              |
| Additional functions                                   | Condition Counter                                                                                                                                                                                                                                                           |
| Baud rate                                              | 125, 250, 500 kBit/s<br>Adjustment via switch module                                                                                                                                                                                                                        |
| Operating voltage range DC                             | 20.4 ... 26.4 V                                                                                                                                                                                                                                                             |
| Maximum number of outputs                              | 8<br>(16 solenoid coils eliminated)                                                                                                                                                                                                                                         |
| Maximum number of inputs                               | 16                                                                                                                                                                                                                                                                          |
| Nominal operating voltage DC                           | 24 V                                                                                                                                                                                                                                                                        |
| Power failure buffering                                | 20 ms                                                                                                                                                                                                                                                                       |
| Residual ripple                                        | 4 Vss                                                                                                                                                                                                                                                                       |
| Current consumption at nominal operating voltage, load | Depending on valve type                                                                                                                                                                                                                                                     |
| Current consumption at nominal operating voltage       | Electronics: ≤ 200 mA<br>Sensor supply power: depends upon sensor                                                                                                                                                                                                           |
| Storage temperature                                    | -20 ... 70 °C                                                                                                                                                                                                                                                               |
| Protection class                                       | IP20<br>IP65                                                                                                                                                                                                                                                                |
| Ambient temperature                                    | -5 ... 50 °C                                                                                                                                                                                                                                                                |
| Authorization                                          | c UL us - Recognized (OL)                                                                                                                                                                                                                                                   |
| Addressing range                                       | 0 ... 63<br>Adjustment via switch module                                                                                                                                                                                                                                    |
| Fieldbus certification                                 | ODVA                                                                                                                                                                                                                                                                        |
| Electrical isolation, fieldbus interface               | Optocoupler                                                                                                                                                                                                                                                                 |
| Bus-specific LED display                               | MNS: DeviceNet Status                                                                                                                                                                                                                                                       |
| Product-specific LED display                           | 12/14: switching status at valves                                                                                                                                                                                                                                           |

| Feature          | Value                                                              |
|------------------|--------------------------------------------------------------------|
|                  | PS: operating voltage for electronics and load supply              |
| Product ID       | product type: pneumatic valve (27 dec.)<br>Product code: 8942 dec. |
| Material cover   | PA-reinforced                                                      |
| Material seals   | CR<br>NBR                                                          |
| Material housing | Aluminum die cast                                                  |
| Materials note   | Conforms to RoHS                                                   |