

Electrical interface CPV10-GE-DI01-8

Part number: 165809

FESTO



Data sheet

| Feature | Value |
|---|--|
| Type code | CPV10 |
| CP string extension | yes 16 inputs 8 outputs (or 16 pneumatic valves) |
| Fieldbus interface | Optionally: Socket and plug, M12x1, 5-pin, B-coded Sub-D, 9-pin, socket |
| Device-specific diagnostics | Via device-specific diagnostics (DPV0) Missing module on CP string extension Short circuit/overload of outputs Undervoltage of outputs Sensor power undervoltage Undervoltage of pneumatic valves |
| Communication types | Cyclic communication |
| Configuration support | GSD file and bitmaps |
| Max. no. of solenoid coils with string extension | 32 |
| Max. no. of solenoid coils | 16 |
| Reverse polarity protection | for all electrical connections |
| Baud rate | 9.6 kBd ... 12 MBaud Automatic detection |
| DC operating voltage range | 20.4 V ... 26.4 V |
| Max. no. of outputs | 8 (16 valve coils omitted) |
| Max. number of inputs | 16 |
| Nominal operating voltage DC | 24 V |
| Power failure buffering | 10 ms |
| Residual ripple | 4 Vss |
| Current consumption at load nominal operating voltage | Depends on pneumatic valve type |
| Current consumption at nominal operating voltage | Electronics: <= 100 mA Sensor supply: depends on sensor |
| Storage temperature | -20 °C ... 70 °C |
| Degree of protection | IP65 |
| Ambient temperature | -5 °C ... 50 °C |
| Certification | c UL us - Recognized (OL) |
| Addressing range | 1 ... 125 Setting via switch module |
| Fieldbus certification | PNO |
| Galvanic isolation fieldbus interface | Optocoupler |
| LED display (bus-specific) | BUS: communication and configuration error |

| Feature | Value |
|--------------------------------|---|
| LED display (product-specific) | 12/14: switching status of pneumatic valves POWER: operating voltage for electronics and load supply |
| Product identification | Product line: 4: pneumatic valves |
| Cover material | PA-reinforced |
| Seals material | CR NBR |
| Housing material | Die-cast aluminum |
| Note on materials | RoHS-compliant |