

Electrical interface CPV14-GE-DI01-8

Part number: 165811

FESTO



Data sheet

| Feature | Value |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CP string expansion | yes 16 inputs 8 outputs (or 16 valves) |
| Field bus interface | Either: 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, outputs Undervoltage of outputs Undervoltage of sensor supply Undervoltage of valves |
| Types of communication | Cyclic communication |
| Configuration support | GSD file and bitmaps |
| Max. number of valve coils with string expansion | 32 |
| Max. number of valve coils | 16 |
| Reverse polarity protection | For all electrical connections |
| Baud rate | 9.6 kBaud ... 12 MBaud Automatic detection |
| Operational voltage range DC | 20.4 V...26.4 V |
| Max. number of outputs | (16 solenoid coils omitted) 8 |
| Max. number of inputs | 16 |
| Nominal operating voltage DC | 24 V |
| Power failure bridging | 10 ms |
| Residual ripple | 4 Vpp |
| Current consumption at nominal operating voltage, load | Depending on valve type |
| Current consumption at nominal operating voltage | Electronics: ≤ 100 mA Sensor supply: dependent on sensor |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Storage temperature | -20 °C...70 °C |
| Degree of protection | IP65 |
| Ambient temperature | -5 °C...50 °C |
| Approval | c UL us - Recognized (OL) |
| Product weight | 351 g |

| Feature | Value |
|-----------------------------------------|-----------------------------------------------------------------------------------------------|
| Addressing range | 1 ... 125 Set using switch module |
| Fieldbus certification | PNO |
| Electrical isolation fieldbus interface | Optocoupler |
| LED display, bus-specific | BUS: Communication and configuration errors |
| LED display, product-specific | 12/14: switching status of valves POWER: Operating voltage for electronics and load supply |
| Product identification | Product series: 4: Valves |
| Material cover | PA-reinforced |
| Material seals | CR NBR |
| Material housing | Die-cast aluminium |
| Note on materials | RoHS-compliant |