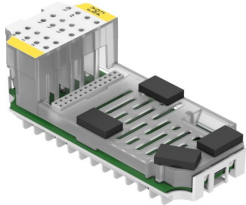


# Output module CPX-FVDA-P2

Part number: 1971599

FESTO



 General operating condition

## Data sheet

| Feature                                      | Value   |
|--|---|
| Dimensions (W x L x H)                       | 50 x 107 x 55 mm  |
| Product weight                               | 50 g  |
| Ambient temperature                          | -5 °C ... 50 °C   |
| Note on ambient temperature                  | Observe derating curve for pneumatic interface  |
| Storage temperature                          | -20 °C ... 70 °C  |
| Degree of protection                         | Dependent on the manifold block   |
| Corrosion resistance class CRC               | (when installed)  |
| Max. cable length                            | 200 m   |
| LABS (PWIS) conformity                       | VDMA24364-B2-L  |
| CE mark (see declaration of conformity)      | To EU EMC Directive<br>To EC Machinery Directive<br>In accordance with EU RoHS Directive                                    |
| UKCA marking (see declaration of conformity) | To UK regulations for machines<br>To UK RoHS instructions   |
| Approval                                     | c UL us - Recognized (OL)   |
| Certificate issuing authority                | German Technical Control Board (TÜV) Rhld 01/205/5294.02/23<br>German Technical Control Board (TÜV) Rhld 01/205U/5294.01/23 |
| Note on materials                            | RoHS-compliant  |
| Material housing                             | PC  |
| Probability of Failure per Hour (PFH)        | 1.0E-9  |
| LED display                                  | 1 fail-safe mode protocol active<br>1 Group diagnostics<br>3 channel diagnostics<br>3 Channel status                        |
| Diagnosis                                    | Wire break per channel<br>Short circuit/overload per channel<br>Cross circuit<br>Undervoltage of valves                     |
| Max. address volume, inputs                  | 6 Byte  |
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| Number of outputs                            | 2   |
| Note on outputs                              | 1 internal channel to switch off the valve voltage<br>2 external outputs  |
| Parameterisation                             | Diagnostic behaviour<br>Wire break monitoring per channel   |
| Nominal operating voltage DC                 | 24 V  |
| Permissible voltage fluctuations             | -15%/+20%   |
| Residual ripple                              | 2 Vpp within voltage range  |

| Feature  | Value  |
|--|--|
| Intern power consumption nominal operating voltage | Typically 25 mA (power supply for electronics)<br>Typ. 65 mA (load voltage supply for valve) |
| Load capacity against FE                           | 400 nF   |
| Switching logic for outputs                        | P-M switching  |
| Max. reaction time to switch-off command           | F_WD_TIME + 23 ms  |
| Safety function                                    | Safely switching off supply voltage for the valves   |
| Safety Integrity Level (SIL)                       | Safe switch-off/SIL 3  |
| Performance Level (PL)                             | Safe switch-off/category 3, Performance Level e  |
| Max. power supply per channel                      | 1.5 A  |
| Max. total current per module                      | 5 A  |
| Voltage drop per channel                           | 0.6 V  |
| Isolation channel - channel                        | no   |
| Isolation channel - internal bus                   | Yes, with intermediate air supply  |
| Fuse protection (short circuit)                    | Internal electronic fuse per channel   |