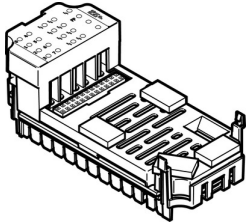


# Input module CPX-F8DE-P

Part number: 2597424

FESTO



 General operating condition

## Data sheet

| Feature  | Value  |
|--|--|
| Dimensions W x L x H                                       | (incl. interlinking block and connection system)<br>50 mm x 107 mm x 55 mm   |
| Product weight   | 46 g   |
| Ambient temperature  | -5 °C ... 50 °C  |
| Storage temperature  | -20 °C ... 70 °C   |
| Degree of protection                                       | Depends on manifold block  |
| Corrosion resistance class (CRC)                           | 1 - Low corrosion stress<br>(when installed)   |
| Max. cable length  | 200 m  |
| LABS (PWIS) conformity                                     | VDMA24364-B2-L   |
| CE marking (see declaration of conformity)                 | As per EU EMC directive<br>as per EU machinery directive<br>As per EU RoHS directive   |
| UKCA marking (see declaration of conformity)               | To UK instructions for EMC<br>To UK instructions for machines<br>To UK RoHS instructions   |
| Certification  | c UL us - Recognized (OL)  |
| Certificate issuing authority                              | 01/205/5444.01/21<br>German Technical Control Board (TÜV) Rh. UK 01/205U/5444.00/22  |
| Note on materials  | RoHS-compliant   |
| PFH  | 1.0E-9   |
| LED indicators   | 1 fail-safe mode protocol active<br>1 group diagnostics<br>8 channel diagnostics<br>8 channel status   |
| Diagnostics  | Wire break per channel<br>Communication<br>Short circuit per channel<br>Process value error<br>Cross circuit per channel<br>Self-test<br>Overvoltage<br>Over temperature<br>Undervoltage |
| Control elements   | DIL switch   |
| Max. address capacity inputs                               | 6 byte   |
| Max. address capacity outputs                              | 7 byte   |
| DC operating voltage range                                 | 20.4 V ... 28.8 V  |
| Nominal operating voltage DC                               | 24 V   |
| Residual ripple  | 2 Vss within voltage range   |
| Intrinsic current consumption at nominal operating voltage | Typ. 35 mA (electronics operating voltage supply)  |

| Feature                               | Value   |
|---------------------------------------|---|
| No. of inputs                         | 8   |
| Input characteristics                 | As per IEC 61131-2, type 2  |
| Input switching logic                 | PNP (positive switching)  |
| Safety function                       | Reliable input status detection and evaluation  |
| Safety integrity level (SIL)          | Safe recording and analysis of input states as per EN 62061 up to SIL CL3<br>Reliable recording and analysis of input states as per EN61508 to SIL3 |
| Performance Level (PL)                | Reliable detection and evaluation of input statuses as per ISO 13849 up to category 4 and performance level e                                       |
| Max. residual current per module      | 3 A   |
| Electrical isolation between channels | no  |