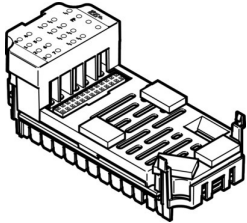


# Input module CPX-F8DE-P

Part number: 2597424

FESTO



 General operating condition

## Data sheet

Feature	Value
Dimensions (W x L x H)	50 x 107 x 55 mm
Product weight	46 g
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-20 °C ... 70 °C
Degree of protection	Dependent on the manifold block
Corrosion resistance class CRC	1 - Low corrosion stress (when installed)
Max. cable length	200 m
LABS (PWIS) conformity	VDMA24364-B2-L
CE mark (see declaration of conformity)	To EU EMC Directive To EC Machinery Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK regulations for machines To UK RoHS instructions
Approval	c UL us - Recognized (OL)
Certificate issuing authority	German Technical Control Board (TÜV) Rh. UK 01/205U/5444.00/22
Note on materials	RoHS-compliant
Probability of Failure per Hour (PFH)	1.0E-9
LED display	1 fail-safe mode protocol active 1 Group diagnostics 8 channel diagnostics 8 Channel status
Diagnosis	Wire break per channel Communication Short circuit per channel Process value error Cross circuit per channel Self-test Overvoltage Overtemperature Undervoltage
Operator controls	DIL switch
Max. address volume, inputs	6 Byte
Max. address volume, outputs	7 Byte
Operational voltage range DC	20.4 V ... 28.8 V
Nominal operating voltage DC	24 V
Residual ripple	2 Vpp within voltage range
Intern power consumption nominal operating voltage	Typ. 35 mA (power supply for electronics)
Number of inputs	8

<b>Feature</b>	<b>Value</b>
Characteristic for inputs	To IEC 61131-2, type 2
Switching logic for inputs	PNP (positive switching)
Safety function	Reliable detection and evaluation of input statuses
Safety Integrity Level (SIL)	Reliable detection and evaluation of input statuses in accordance with EN 62061 up to SIL CL3 Reliable detection and evaluation of input statuses in accordance with EN61508 up to SIL CL3
Performance Level (PL)	Reliable detection and evaluation of input statuses in accordance with ISO 13849 up to category 4 and Performance Level e
Max. total current per module	3 A
Isolation channel - channel	no