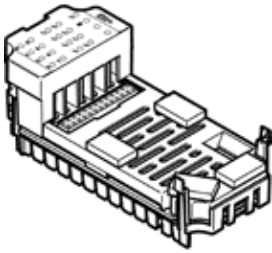


# input module CPX-F8DE-P

Part number: 2597424

FESTO



## Data sheet

Feature	Value
Dimensions W x L x H	(incl. interlinking block and connection technology) 50 mm x 107 mm x 55 mm
Product weight	46 g
Ambient temperature	-5 ... 50 °C
Storage temperature	-20 ... 70 °C
Protection class	Depending on the connection block
Corrosion resistance classification CRC	1 - Low corrosion stress (when installed)
Max. line length	200 m
PWIS conformity	VDMA24364-B2-L
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive for machinery in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK instructions for machines To UK RoHS instructions
Authorisation	c UL us - Recognized (OL)
Certificate issuing department	01/205/5444.01/21 German Technical Control Board (TÜV) Rheinland UK 01/205U/5444.00/22
Materials note	Conforms to RoHS
Probability of Failure per Hour in [1/h].	1E-09
LED displays	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
Control elements	DIL switches
Maximum address volume for inputs	6 Byte
Maximum address volume for outputs	7 Byte
Operating voltage range DC	20.4 ... 28.8 V
Nominal operating voltage DC	24 V
Residual ripple	2 Vpp within voltage range
Intrinsic current consumption at operating voltage	Typically 35 mA for electronics
No. of inputs	8
Input characteristics	To IEC 61131-2, type 2
Input circuit logic	PNP (positive-switching)
Safety function	Reliable detection and evaluation of input statuses

<b>Feature</b>	<b>Value</b>
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 cat. 4 and PL e
Max. resultant current per module	3 A
Electrical isolation channel – channel	No