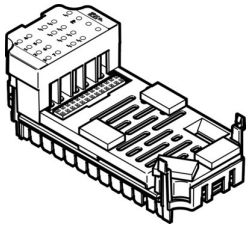
Input module
CPX-F8DE-P

Part number: 2597424



Data sheet

Feature	Value
Dimensions W x L x H	(incl. interlinking block and connection system) 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	Depending on terminal block
Corrosion resistance class (CRC)	1 - Low corrosion stress (installed)
Max. cable length	200 m
LABS (PWIS) conformity	VDMA24364-B2-L
CE marking (see declaration of conformity)	As per EU EMC directive as per EU machinery directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK instructions for machines To UK RoHS instructions
Certification	c UL us - recognized (OL)
Certificate issuing authority	01/205/5444.01/21 German Technical Control Board (TÜV) Rh. UK 01/205U/5444.00/22
Note on materials	RoHS compliant
PFH	1E-09
LED indicators	1 fail-safe mode protocol active 1 group diagnostics 8 channel diagnostics 8 channel status
Diagnostics	Wire break per channel Communication Short circuit per channel Process value error Cross circuit per channel Self-assessment Overvoltage Over temperature Undervoltage
Control elements	DIL switch
Max. address capacity inputs	6 byte

Feature	Value
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)
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 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