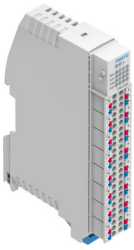
Digital input module
CPX-E-16DI

Part number: 4080492



Data sheet

Feature	Value
Dimensions W x L x H	18.9 mm x 76.6 mm x 124.3 mm
Width dimension	18.9 mm
Type code	CPX-E
No. of inputs	16
Diagnostics via LED	Faults per module Status per channel
Diagnostics via bus	Sensor supply short circuit/overload
Module parameters	Sensor supply short circuit diagnostics Response to short circuit/overload Input debounce time Signal extension time
Channel parameters	Signal extension
Input debounce time	0.1 ms 3 ms 10 ms 20 ms
Fuse protection (short circuit)	Internal electronic fuse per module
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 15 mA
Max. residual current of inputs per module	1.8 A
Nominal operating voltage DC for electronics/sensors	24 V
Electrical isolation between channel and internal bus	no
Electrical isolation between channels	no
Switching level	Signal 0: <= 5 V Signal 1: >= 11 V
Permissible voltage fluctuations for electronics/sensors	± 25 %
Certification	RCM compliance mark c UL us - Listed (OL)
KC characters	KC EMC
CE marking (see declaration of conformity)	As per EU EMC directive
Certificate issuing authority	UL E239998
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	0 - No corrosion stress
Storage temperature	-20 °C ... 70 °C
Relative air humidity	95 % Non-condensing
Degree of protection	IP20

Feature	Value
Ambient temperature	-5 °C ... 50 °C
Note on ambient temperature	-5 - 60 °C for vertical installation
Product weight	102 g
Max. address capacity inputs	2 byte
Input characteristics	As per IEC 61131-2, type 3
Input switching logic	PNP (positive switching) 2-wire sensors as per IEC 61131-2 3-wire sensors as per IEC 61131-2
Electrical connection input, function	Digital input
Electrical connection input, connection type	8x terminal strip
Electrical input connection, connection technology	Spring-loaded terminal
Electrical connection, input, number of pins/wires	6
Electrical connection for input, connection pattern	00995843
Electrical connection for input, conductor cross section	0.2 mm² ... 1.5 mm²
Electrical connection for input, information on conductor cross section	0.2 - 2.5 mm² for flexible conductors without cable end sleeves
Type of mounting	With H-rail
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Housing material	PA