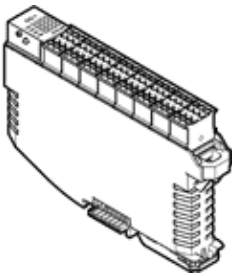


digital input module

CPX-E-16DI

Part number: 4080492

FESTO



Data sheet

Feature	Value
Dimensions W x L x H	18,9 mm x 76,6 mm x 124,3 mm
Grid dimension	18.9 mm
No. of inputs	16
Diagnostics via LED	Error per module Status per channel
Diagnostics via bus	Short circuit/overload in sensor supply
Module parameters	Short circuit diagnostics for sensor supply Behaviour after 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
Protection (short circuit)	Internal electronic fuse protection per module
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 15 mA
Max. residual current inputs per module	1.8 A
Nominal operating voltage DC for electronics/sensors	24 V
Electrical isolation channel – internal bus	No
Electrical isolation channel – channel	No
Switching level	Signal 0: ≤ 5 V Signal 1: ≥ 11 V
Permissible voltage fluctuations for electronics/sensors	± 25 %
Authorisation	RCM Mark
CE mark (see declaration of conformity)	to EU directive for EMC
Vibration resistance	Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC	0 - No corrosion stress
Storage temperature	-20 ... 70 °C
Relative air humidity	95 % non-condensing
Protection class	IP20
Ambient temperature	-5 ... 50 °C
Note on ambient temperature	-5 - 60°C for vertical installation
Product weight	102 g
Maximum address volume for inputs	2 Byte
Input characteristics	to IEC 61131-2, type 3
Input circuit logic	PNP (positive-switching) 2-wire sensors to IEC 61131-2 3-wire sensors to IEC 61131-2
Electrical connection, input, function	Digitaleingang
Electrical connection, input, connection type	8x terminal strips

Feature	Value
Electrical connection, input, connection technology	Cage clamp terminal
Electrical connection, input, number of pins/wires	6
Electrical connection for input, conductor cross section	0.2 ... 1.5 mm ²
Electrical connection for input, note on conductor cross section	0.2 - 2.5 mm ² for flexible conductors without wire end sleeves
Mounting type	with top-hat rail
Materials note	Contains PWIS substances Conforms to RoHS
Material housing	PA