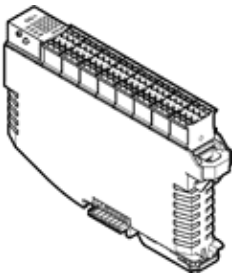


# digital input module

## 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
Mounting type	with top-hat rail
Product weight	102 g
Assembly position	Vertical Horizontal
Ambient temperature	-5 ... 50 °C
Note on ambient temperature	-5 - 60°C for vertical installation
Storage temperature	-20 ... 70 °C
Relative air humidity	95 % non-condensing
Protection class	IP20
Corrosion resistance classification CRC	0 - No corrosion stress
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 in accordance with FN 942017-5 and EN 60068-2-27
Max. line length	30 m inputs
PWIS conformity	VDMA24364 zone III
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Authorisation	RCM Mark c UL us - Listed (OL)
Certificate issuing department	UL E239998
Materials note	Conforms to RoHS
Material housing	PA
Material screws	Galvanised steel
Diagnostics via LED	Error per module Status per channel
Diagnostics via bus	Short circuit/overload in sensor supply
Maximum address volume for inputs	2 Byte
Module parameters	Short circuit diagnostics for sensor supply Behaviour after short circuit/overload Input debounce time Signal extension time
Channel parameters	Signal extension
Nominal operating voltage DC for electronics/sensors	24 V
Permissible voltage fluctuations for electronics/sensors	± 25 %
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 15 mA
Polarity protected	24 V sensor supply against 0 V sensor supply
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 <sup>2</sup>
Electrical connection for input, note on conductor cross section	0.2 - 2.5 mm <sup>2</sup> for flexible conductors without wire end sleeves
No. of inputs	16
Input characteristics	to IEC 61131-2, type 3
Switching level	Signal 0: ≤ 5 V Signal 1: ≥ 11 V
Input circuit logic	PNP (positive-switching) 2-wire sensors to IEC 61131-2 3-wire sensors to IEC 61131-2
Input debounce time	0,1 ms 3 ms 10 ms 20 ms
Max. residual current inputs per module	1.8 A
Electrical isolation channel – channel	No
Electrical isolation channel – internal bus	No
Protection (short circuit)	Internal electronic fuse protection per module