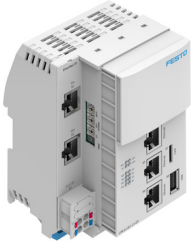


# Controller CPX-E-CEC-C1-EP

Part number: 4252742

FESTO



## Data sheet

Feature	Value
Dimensions W x L x H	75.9 mm x 124.3 mm x 82.5 mm
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Power supply, type of connection	Terminal strip
Ethernet interface, protocol	EasyIP Modbus® TCP TCP/IP
Fieldbus interface, connection type	2x socket
Storage medium	Micro SD ≤ 32 GB USB memory stick ≤ 32 GB
Fieldbus interface 2, protocol	EtherCAT Master
Note on ambient temperature	-5 - 60 °C for vertical installation
Fieldbus interface 2, connection type	Socket
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 150 mA
Ethernet interface, connection technology	RJ45
Fieldbus interface 2, connection technology	RJ45
Fieldbus interface 2, connection pattern	00995789
Fieldbus interface, connection pattern	00995789
Fieldbus interface, function	Bus connection, incoming/forwarding
Power supply, connection pattern	00995847
Ethernet interface, transmission rate	10 Mbit/s 100 Mbit/s
Power supply, function	Electronics and sensors
USB interface	USB 2.0
Fieldbus interface 2, transmission rate	100 Mbit/s
Fieldbus interface 2, galvanic isolation	yes
Power supply, information on conductor diameter	0.2 - 2.5 mm <sup>2</sup> for flexible conductors without cable end sleeves
Ethernet interface, function	Diagnostics Switch
Permissible voltage fluctuations for electronics/sensors	± 25 %
System parameter	Diagnostic memory Fail-safe response System start
Fieldbus interface 2, function	Bus connection, forwarding
Ethernet interface, connection pattern	00995789
Fieldbus interface, connection technology	RJ45
Fieldbus interface, protocol	EtherNet/IP

Feature	Value
Power supply, connection technology	Spring-loaded terminal
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Fieldbus interface 2, type	Ethernet
Module parameters	Channel alarm bundling Undervoltage diagnostics Channel alarms for undervoltage Analog module process value representation
Ethernet interface, connection type	2x socket
Diagnostics via LED	Force mode
KC characters	KC EMC
Ethernet interface, number of poles/wires	8
Fieldbus interface 2, number of poles/wires	8
Nominal operating voltage DC for electronics/sensors	24 V
Power supply, number of pins/wires	4
Fieldbus interface, number of poles/wires	8
Fieldbus interface, max. address volume for outputs	512 byte
Fieldbus interface, max. address volume for inputs	512 byte
Max. number of modules	10
Power supply, conductor diameter	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Buffer time real-time clock	3 Weeks
Width dimension	18.9 mm
Type code	CPX-E
CPU data	512 MB RAM Dual core 766 MHz
Configuration support	Operator unit CDSB CODESYS V3
Additional functions	CODESYS V3
Control elements	DIL switch for RUN/STOP Rotary switch for address setting Optional: CDSB operating unit
Processing time	Approx. 200 µs/1 k instruction
IP address setting	DHCP Via CODESYS Optional: via CDSB operating unit
Function blocks	and others Read CPX-E module diagnostics CPX-E diagnostic status Copying of CPX-E diagnostic trace
Max. power supply	8 A
Flag	120 kB remanent data CODESYS variable concept
Power failure buffering	20 ms
Programming software	CODESYS provided by Festo
Program memory	12 MB user program
Certificate issuing authority	UL E239998
CE marking (see declaration of conformity)	As per EU EMC directive
Corrosion resistance class (CRC)	0 - No corrosion stress
Storage temperature	-20 °C ... 70 °C
Relative air humidity	95 % Non-condensing
Protection against direct and indirect contact	PELV
Degree of protection	IP20
Ambient temperature	-5 °C ... 50 °C
Certification	RCM compliance mark c UL us - Listed (OL)
Product weight	288 g
Max. address capacity outputs	64 byte

<b>Feature</b>	<b>Value</b>
Max. address capacity inputs	64 byte
Fieldbus interface, galvanic isolation	yes
Fieldbus interface, transmission rate	100 Mbit/s
Fieldbus interface, type	Ethernet
Type of mounting	With H-rail
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Housing material	PA