

Controller

CPX-E-CEC-M1-EP

Part number: 4252744

FESTO



RD	0	1	RD
BU	2	3	BU

Data sheet

Feature	Value
Grid dimension	18.9 mm
Type of mounting	With H-rail
Product weight	288 g
Mounting position	Vertical Horizontal
Ambient temperature	-5 °C...50 °C
Note on ambient temperature	-5 - 60°C for vertical installation
Storage temperature	-20 °C...70 °C
Relative air humidity	95 % Non-condensing
Degree of protection	IP20
Corrosion resistance class CRC	0 - No corrosion stress
Protection against direct and indirect contact	PELV
LABS (PWIS) conformity	VDMA24364 zone III
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
Approval	RCM trademark c UL us listed (OL)
Note on materials	RoHS-compliant
Diagnostics via LED	Force mode Module status Network status Network status, engineering port 1 Network status, engineering port 2 EtherCAT® network status Network status, port 1 Network status, port 2 Run Power supply, electronics/sensors Load power supply System fault
Operator controls	DIL switch for RUN/STOP Rotary switch for address setting Optional: CDSB operator unit

Feature	Value
Field bus, protocol	ACD (Address Conflict Detection) DLR (Device Level Ring) EtherNet/IP EtherNet/IP QoS EtherNet/IP Quickconnect SNMP
Field bus, connection type	2x socket
Field bus, connection system	RJ45
Field bus, connection pattern	8
Fieldbus interface 2, type	Ethernet
Fieldbus interface 2, protocol	CoE EoE EtherCAT® FoE
Fieldbus interface 2, function	Outgoing bus connection
Fieldbus interface 2, connection type	Socket
Fieldbus interface 2, connection technology	RJ45
Fieldbus interface 2, number of pins/wires	8
Fieldbus interface 2, galvanic isolation	yes
Fieldbus interface 2, transmission rate	100 Mbit/s
Ethernet interface, connection type	2x socket
Ethernet interface, protocol	EasyIP Modbus® TCP OPC UA TCP/IP
Ethernet interface, function	Diagnostics Switch
Ethernet interface, connection system	RJ45
Ethernet interface, number of pins/wires	8
Ethernet interface, transmission rate	10 Mbit/s 100 Mbit/s
Max. address volume, inputs	64 Byte
Fieldbus interface, max. address volume for inputs	512 Byte
Max. address volume, outputs	64 Byte
Fieldbus interface, max. address volume for outputs	512 Byte
System parameters	Diagnostic memory Fail-safe response System start
Module parameters	Channel alarms bundling Undervoltage diagnostics Channel alarms for undervoltage Process value representation of analogue modules
Configuration support	Control unit CDSB CODESYS V3
Additional functions	CoDeSys V3 with SoftMotion
Power supply, function	Electronics and sensors
Power supply, connection type	Terminal strip
Power supply, note on connection type	> 4 A and UL 2x terminal strip for power supply
power supply, connection system	Spring-loaded terminal
Power supply, number of pins/wires	4
Nominal DC operating voltage, electronics/sensors	24 V
Permissible voltage fluctuations for electronics/sensors	± 25%
Power supply, conductor diameter	0.2 mm²...1.5 mm²
Power supply, note on conductor diameter	0.2 - 2.5 mm² for flexible conductors without wire ferrule
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 150 mA
Power failure bridging	20 ms
Reverse polarity protection	24 V sensor supply against 0 V sensor supply

Feature	Value
Program memory	100 MB user program
Processing time	Approx. 200 µs/1 k instruction
Flag	120 kB retentive data CODESYS variable concept