Controller
CPX-E-CEC-C1
Part number: 5226780

Data sheet

Feature	Value
Dimensions W x L x H	42.2 mm x 125.8 mm x 76.5 mm
Width dimension	18.9 mm
Type code	CPX-E
CPU data	512 MB RAM Dual core 666 MHz
Diagnostics via LED	Force mode Network status, engineering port 1 EtherCAT network status Run Power supply for electronics/sensors Load power supply System fault
Configuration support	CODESYS V3
Max. number of modules	10
Additional functions	CODESYS V3
System parameter	Diagnostic memory Fail-safe response System start
Module parameters	Channel alarm bundling Undervoltage diagnostics Channel alarms for undervoltage Analog module process value representation
Buffer time real-time clock	3 Weeks
Control elements	DIL switch for RUN/STOP
Processing time	Approx. 200 μs/1 k instruction
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 65 mA
IP address setting	DHCP Via CODESYS
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
Nominal operating voltage DC for electronics/sensors	24 V
Power failure buffering	20 ms
Programming software	CODESYS provided by Festo
Program memory	12 MB user program
Permissible voltage fluctuations for electronics/sensors	± 25 %

Feature	Value
Power supply, function	Electronics and sensors
Power supply, type of connection	Terminal strip
Power supply, connection technology	Spring-loaded terminal
Power supply, number of pins/wires	4
Power supply, connection pattern	00995847
Power supply, conductor diameter	0.2 mm² ... 1.5 mm²
Power supply, information on conductor diameter	0.2 - 2.5 mm² for flexible conductors without cable end sleeves
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 ºC ... 70 ºC
Relative air humidity	95 % Non-condensing
Protection against direct and indirect contact	PELV
Degree of protection	IP20
Ambient temperature	-5 ºC ... 50 ºC
Note on ambient temperature	-5 - 60 ºC for vertical installation
Product weight	145 g
Max. address capacity outputs	64 byte
Max. address capacity inputs	64 byte
Fieldbus interface, galvanic isolation	yes
Fieldbus interface, transmission rate	100 Mbit/s
Fieldbus interface, type	Ethernet
Ethernet interface, connection type	Socket
Ethernet interface, connection technology	RJ45
Ethernet interface, number of poles/wires	8
Ethernet interface, transmission rate	10 Mbit/s 100 Mbit/s
Ethernet interface, function	Diagnostics
Ethernet interface, protocol	EasyIP Modbus® TCP TCP/IP
Ethernet interface, connection pattern	00995789
Fieldbus interface, function	Bus connection, forwarding
Fieldbus interface, connection type	Socket
Fieldbus interface, connection technology	RJ45
Fieldbus interface, number of poles/wires	8
Fieldbus interface, protocol	EtherCAT Master
Fieldbus interface, connection pattern	00995789
Type of mounting	With H-rail
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Housing material	PA