Control block
CPX-CEC-C1

Part number: 567347

General operating condition

Data sheet

Feature	Value
Protocol	CODESYS Level 2 EasyIP Modbus® TCP TCP/IP
Dimensions (W x L x H)	50 x 107 x 55 mm
Product weight	155 g
Ambient temperature	-5 °C ... 50 °C
Storage temperature	-20 °C ... 70 °C
Relative air humidity	95 % Non-condensing
Degree of protection	IP65 IP67
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Note on materials	RoHS-compliant
Material housing	PC
LED display, product-specific	ERR: PLC runtime error M: Modify/forcing active PL: Load supply PS: Electronics supply, sensor supply RUN: PLC status SF: System fault STOP: PLC status
LED display, bus-specific	TP: Link/traffic
Device-specific diagnostics	Channel-oriented and module-oriented diagnostics Undervoltage/short circuit of modules Diagnostic memory
Operator controls	DIL switch for CAN termination Rotary switch for RUN/STOP
IP address setting	DHCP Via CODESYS Via MMI
Fieldbus interface	CAN bus
Field bus interface, connection system	Plugs Sub-D 9-pin
Field bus interface, electrical isolation	yes
Field bus interface, transmission rate	125, 250, 500, 800, 1000 kbit/s Can be set using software
Ethernet interface	RJ45 (socket, 8-pin)
Ethernet, number	1

Feature	Value
Ethernet, supported protocols	TCP/IP, EasyIP, Modbus TCP
Ethernet, plug connector	RJ45 Bushing 8-pin
Ethernet, data transmission rate	10/100 Mbit/s
Parameterisation	CoDeSys V2.3
Baud rate	10/100 bit/s to IEEE 802.3 (10BaseT) or 802.3u (100BaseTx)
Configuration support	CODESYS V2.3
Additional functions	Diagnostic functions Motion functions for electric drives
CPU data	400 MHz processor
Control-Interface	CAN bus
Nominal operating voltage DC	24 V
Nominal DC operating voltage, load voltage	Without pneumatic components: 18 ... 30 V 24 V With pneumatics type midi/maxi: 21.6 ... 26.4 V With pneumatics type CPA: 20.4 ... 26.4 V With pneumatics type MPA: 18 ... 30 V
Intern power consumption nominal operating voltage	Typ. 85 mA
Power failure bridging	10 ms
Programming, operating language	DE, EN
Programming language	To IEC 61131-3 KOP AWL ST FUP AS Additionally CFC
Programming, support for file handling	yes
Programming software	CODESYS provided by Festo V2.3
Program memory	4 MB user program
Processing time	Approx. 200 µs/1 k instruction
Function modules	Read CPX module diagnostics CPX diagnostic status Copy CPX diagnostic trace And others
Flag	8 MB global data memory CODESYS variable concept
Total number of axes	31