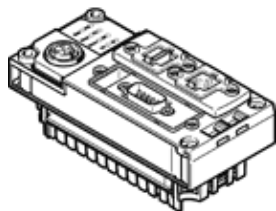


# control block CPX-CEC-C1-V3

Part number: 3473128

FESTO

Modular controller Codesys V3, Ethernet, CAN.



## Data sheet

Feature	Value
Protocol	CODESYS Level 2 EasyIP Modbus TCP TCP/IP
Dimensions W x L x H	50 mm x 107 mm x 55 mm
Product weight	135 g
Ambient temperature	-5 ... 50 °C
Storage temperature	-20 ... 70 °C
Relative air humidity	95 % non-condensing
Protection class	IP65 IP67
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
Materials note	Conforms to RoHS
Material housing	PA-reinforced PC
Product-specific LED display	ERR: PLC run-time error M= modify / forcing active PL: load supply PS: Electronics supply, sensor supply RUN: PLC Status SF: system error STOP: PLC status
Bus-specific LED display	TP: Link/Traffic
Device-specific diagnostics	Channel and module-oriented diagnostics Undervoltage/short circuit of modules Diagnostics memory
Control elements	DIL switch for CAN terminating plug Rotary switch for run/stop
IP address selection	DHCP Via CoDeSys Via MMI
Fieldbus interface	CAN-Bus
Fieldbus interface, connection technology	Plug Sub-D 9-pin
Fieldbus interface, electrical isolation	Yes
Fieldbus interface, transmission rate	125, 250, 500, 800, 1000kbit/s Adjustable via software
Ethernet interface	RJ 45 (socket, 8-pin)
Ethernet, number	1
Ethernet, supported protocols	TCP/IP, EasyIP, Modbus TCP
Ethernet, connector plug	RJ45

Feature	Value
	Socket 8-pin
Ethernet, data transmission speed	10/100 Mbit/s
Parameters configuring	CODESYS V3
Configuration support	CODESYS V3
Additional functions	Diagnostics functions Motion function for electric drives
CPU data	256 MB RAM 32 MB Flash 800 MHz processor
Control interface	CAN-Bus
Nominal operating voltage DC	24 V
Nominal DC operating voltage, load voltage	Without pneumatics: 18 to 30 V 24 V With Midi/Maxi type pneumatics: 21.6 to 26.4 V With CPA type pneumatics: 20.4 to 26.4 V With MPA type pneumatics: 18 to 30 V
Intrinsic current consumption at operating voltage	Typically 85 mA
Power failure buffering	10 ms
Programming, operating language	DE, EN
Programming language	To IEC 61131-3 Ladder diagram (LDR) Statement list (STL) Structured text Function chart Sequential function chart Additional CFC
Programming, file handling support	Yes
Programming software	CODESYS provided by Festo
Program memory	16 MB user program
Processing time	Approx. 200 µs/1 k instruction
Functional modules	Read CPX module diagnosis CPX diagnosis status Copy CPX diagnosis trace And others
Flags	28 kB retentive data CoDeSys variable concept
Total number of axes	127