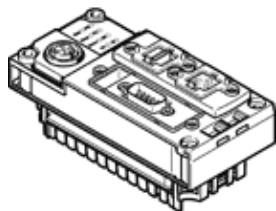


# control block CPX-CEC-M1-V3

Part number: 3472765

FESTO

Modular controller Codesys V3, Ethernet, CAN, softmotion.



## Data sheet

Feature	Value
Dimensions W x L x H	50 mm x 107 mm x 55 mm
Device-specific diagnostics	Channel and module-oriented diagnostics Undervoltage/short circuit of modules Diagnostics memory
CPU data	256 MB RAM 32 MB Flash 800 MHz processor
Configuration support	CODESYS V3
Parameters configuring	CODESYS V3
Total number of axes	31
Additional functions	Diagnostics functions Soft motion functions for electric drives
Control elements	DIL switch for CAN terminating plug Rotary switch for run/stop
Programming, operating language	DE, EN
Programming, file handling support	Yes
Processing time	Approx. 200 µs/1 k instruction
Intrinsic current consumption at operating voltage	Typically 85 mA
IP address selection	DHCP Via CoDeSys Via MMI
Functional modules	Read CPX module diagnosis CPX diagnosis status Copy CPX diagnosis trace And others
Flags	28 kB retentive data CoDeSys variable concept
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
Nominal operating voltage DC	24 V
Power failure buffering	10 ms
Programming software	CODESYS provided by Festo
Programming language	To IEC 61131-3 Ladder diagram (LDR) Statement list (STL) Structured text Function chart Sequential function chart Additional CFC
Program memory	16 MB user program
Corrosion resistance classification CRC	2 - Moderate corrosion stress

<b>Feature</b>	<b>Value</b>
Storage temperature	-20 ... 70 °C
Relative air humidity	95 % non-condensing
Protection class	IP65 IP67
Ambient temperature	-5 ... 50 °C
Product weight	135 g
Ethernet, number	1
Ethernet, data transmission speed	10/100 Mbit/s
Ethernet, supported protocols	TCP/IP, EasyIP, Modbus TCP
Ethernet, connector plug	RJ45 Socket 8-pin
Fieldbus interface, electrical isolation	Yes
Fieldbus interface, transmission rate	125, 250, 500, 800, 1000kbit/s Adjustable via software
Fieldbus interface, connection technology	Plug Sub-D 9-pin
Fieldbus interface	CAN-Bus
Protocol	CODESYS Level 2 EasyIP Modbus TCP TCP/IP
Control interface	CAN-Bus
Ethernet interface	RJ 45 (socket, 8-pin)
Bus-specific LED display	TP: Link/Traffic
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
Materials note	Conforms to RoHS
Material housing	PA-reinforced PC