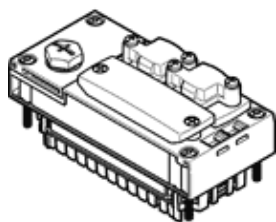


# Control block CPX-CEC-M1

Part number: 567348

FESTO

Modular controller Codesys V2.3, Ethernet, CAN, softmotion.



## Data sheet

Feature	Value
Dimensions W x L x H	50 mm x 107 mm x 55 mm
Device-specific diagnostics	- Diagnostic memory - Undervoltage/short circuit of modules Channel and module-orientated diagnostics
CPU data	400 MHz processor 32 MB RAM 32 MB Flash
Configuration support	CODESYS V2.3
Parameters configuring	CODESYS V2.3
Total number of axes	31
Additional functions	Soft motion functions for electric drives Diagnostics functions
Control elements	DIL switch for CAN terminating plug Rotary switch for run/stop
Programming, operating language	DE, EN
Programming, file handling support	Yes
Baud rate	10/100 bit/s per IEEE 802.3 (10BaseT) or 802.3u (100BaseTx)
Processing time	Approx. 200 µs/1 k instruction
Intrinsic current consumption at operating voltage	Typically 85 mA
IP address selection	Via MMI DHCP Via CoDeSys
Functional modules	Read CPX module diagnosis CPX diagnosis status Copy CPX diagnosis trace And others
Flags	30 kB retentive data 8 MB global data memory CoDeSys variable concept
Nominal DC operating voltage, load voltage	With MPA type pneumatics: 18 to 30 V With CPA type pneumatics: 20.4 to 26.4 V With Midi/Maxi type pneumatics: 21.6 to 26.4 V Without pneumatics: 18 to 30 V 24 V
Nominal operating voltage DC	24 V
Power failure buffering	10 ms
Programming software	CODESYS provided by Festo V2.3
Programming language	Additional CFC Sequential function chart Function chart Structured text Statement list (STL) Ladder diagram (LDR) To IEC 61131-3

<b>Feature</b>	<b>Value</b>
Program memory	4 MB user program
Corrosion resistance classification CRC	2
Storage temperature	-20 ... 70 °C
Relative air humidity	95% non-condensing
Protection class	IP65 IP67
Ambient temperature	-5 ... 50 °C
Product weight	155 g
Ethernet, number	1
Ethernet, data transmission speed	10/100 Mbit/s
Ethernet, supported protocols	TCP/IP, EasyIP, Modbus TCP
Ethernet, connector plug	8-pin Socket RJ45
Fieldbus interface, electrical isolation	Yes
Fieldbus interface, transmission rate	Adjustable via software 125, 250, 500, 1000 kBit/s
Fieldbus interface, connection technology	9-pin Sub-D Plug
Fieldbus interface	CAN-Bus
Protocol	EasyIP Modbus TCP TCP/IP CODESYS Level 2
Control interface	CAN-Bus
Ethernet interface	RJ 45 (socket, 8-pin)
Bus-specific LED display	TP: Link/Traffic
Product-specific LED display	PS: Electronics supply, sensor supply SF: system error STOP: PLC status PL: load supply RUN: PLC Status ERR: PLC run-time error M= modify / forcing active
Materials note	Conforms to RoHS
Materials information, housing	PC PA-reinforced