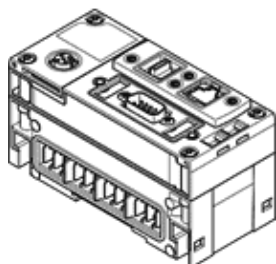


# Control block CPX-FEC-1-IE

Part number: 529041  
Product to be discontinued

[For CPX fieldbus node](#)

FESTO



## Data sheet

Feature	Value
Width	50 mm
Height	55 mm (incl. interlinking block)
Length	107 mm
Grid dimension	50 mm
Parameters configuring	Error program number Response after error
Polarity protected	For all operating voltage connections
Counting range	0 - 65535
Additional functions	2 byte inputs and 2 byte outputs, system diagnostics in image table 8 bit system status in image table for inputs storage of the last 40 errors with timestamp
Control elements	DIL switch for setting the operation modes Rotary switch for run/stop
24 V DC power supply, module electronics	Via CPX manifold module
Number of module positions	1
Number of programs/tasks	P0 ... P63
Arithmetic functions	+, -, *, : Additional functions with function modules
Baud rate	10/100 bit/s per IEEE 802.3 (10BaseT) or 802.3u (100BaseTx)
Processing time	Approx. 1 ms/1 k instruction
Operating voltage range, DC electronics/sensors	18 ... 30 V
Operating voltage range DC	18 ... 30 V
Data Interface	RS 232 interface Sub-D 9-pin, socket 9,6 ... 115,2 kBit/s Electrically isolated
IP address selection	BOOTP/DHCP Via FST Via MMI
Functional modules	Write CPX module parameters Read CPX module diagnosis CPX diagnosis status Copy CPX diagnosis trace And others
Flags	M0 ... M9999 Addressable as bit or word
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	FST

Feature	Value
	At least V4.1
Programming language	Ladder diagram (LDR) Statement list (STL)
Program memory	250 KB user program 550 KB web applications
Register	R0 .. R255 Addressable as word
Remanence	Flags 0 to 9999 Register, 0 to 255 Timer / timer pre-selection: 0 to 255 counter/counter preselect 0 ... 255
Residual ripple	4 Vss
Residual ripple, load voltage	4 Vss
Special FU	FE 0 ... 255 Init-Flag
Power supply	Via interlinking module
Current consumption at nominal operating voltage	Electronics: max. 200 mA
Timer	T0 ... T255 Each with 1 status bit 1 set point 1 pre-selection
Counters	Z0 ... Z255 Each with 1 status bit 1 set point 1 pre-selection
Time range	0.01 ... 655.35 s
Storage temperature	-20 ... 70 °C
Relative air humidity	95 % non-condensing
Protection against direct and indirect contact	PELV
Protection class	IP65 IP67 to IEC 60529
Ambient temperature	-5 ... 50 °C
Product weight	140 g
Maximum address volume for outputs	64 Byte
Maximum address volume for inputs	64 Byte
Protocol	EasyIP HTTP Modbus TCP TCP/IP
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
Programming interface	Via TCP/IP Via RS 232
Materials information, housing	Plastic