

# Bus module CPX-E-EC

Part number: 4080498

FESTO



## Data sheet

Feature	Value
Dimensions W x L x H	42.2 mm x 125.8 mm x 76.5 mm
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Power supply, type of connection	Terminal strip
Fieldbus interface, connection type	2x socket
Note on ambient temperature	-5 - 60 °C for vertical installation
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 64 mA
Diagnostics via bus	Wire break Short circuit Parameterization error Upper limit value violated Over temperature Lower limit value not complied with Undervoltage
Fieldbus interface, connection pattern	00995789
Fieldbus interface, function	Bus connection, incoming/forwarding
Power supply, connection pattern	00995847
Power supply, function	Electronics and sensors
Power supply, information on conductor diameter	0.2 - 2.5 mm <sup>2</sup> for flexible conductors without cable end sleeves
Permissible voltage fluctuations for electronics/sensors	± 25 %
System parameter	Diagnostic memory Fail-safe response Force mode System start
Fieldbus interface, connection technology	RJ45
Fieldbus interface, protocol	EtherCAT
Power supply, connection technology	Spring-loaded terminal
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Module parameters	Channel alarm bundling Undervoltage diagnostics Channel alarms for undervoltage
Diagnostics via LED	EtherCAT error EtherCAT RUN Modify Power supply for electronics/sensors Load power supply System fault Connection status
KC characters	KC EMC
Nominal operating voltage DC for electronics/sensors	24 V

Feature	Value
Power supply, number of pins/wires	4
Fieldbus interface, number of poles/wires	8
Fieldbus interface, max. address volume for outputs	64 byte
Fieldbus interface, max. address volume for inputs	64 byte
Max. number of modules	10
Power supply, conductor diameter	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Width dimension	18.9 mm
Type code	CPX-E
Configuration support	ESI file
Max. power supply	8 A
Power failure buffering	20 ms
Certificate issuing authority	UL E239998
CE marking (see declaration of conformity)	As per EU EMC directive
Corrosion resistance class (CRC)	0 - No corrosion stress
Storage temperature	-20 °C ... 70 °C
Relative air humidity	95 % Non-condensing
Protection against direct and indirect contact	PELV
Degree of protection	IP20
Ambient temperature	-5 °C ... 50 °C
Certification	RCM compliance mark c UL us - Listed (OL)
Product weight	145 g
Max. address capacity outputs	64 byte
Note on outputs	62 bytes with I/O diagnostic interface 64 bytes with status bits 64 bytes without diagnostics
Max. address capacity inputs	64 byte
Information on inputs	62 bytes with I/O diagnostic interface 63 bytes with status bits 64 bytes without diagnostics
Fieldbus interface, galvanic isolation	yes
Fieldbus interface, transmission rate	100 Mbit/s
Fieldbus interface, type	EtherCAT
Type of mounting	With H-rail
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Housing material	PA