

# Bus module CPX-E-EC

Part number: 4080498

FESTO



## Data sheet

 [General operating condition](#)

Feature	Value
Dimensions (W x L x H)	42.2 mm x 76.5 mm x 125.8 mm
Grid dimension	18.9 mm
Type of mounting	via DIN rail
Max. number of modules	10
Product weight	145 g
Mounting position	Vertical Horizontal
Ambient temperature	-5 °C ... 50 °C
Note on ambient temperature	-5 - 60°C for vertical installation
Storage temperature	-20 °C ... 70 °C
Relative air humidity	95% Non-condensing
Degree of protection	IP20
Corrosion resistance class CRC	0 - No corrosion stress
Vibration resistance	Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27
Protection against direct and indirect contact	PELV
LABS (PWIS) conformity	VDMA24364 zone III
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
KC mark	KC-EMV
Approval	RCM c UL us - Listed (Oil)
Certificate issuing authority	UL E239998
Note on materials	RoHS compliant
Material housing	Process automation
Diagnostics via LED	EtherCAT Error EtherCAT® RUN Force mode Modify Module status Power supply, electronics/sensors Load power supply System errors Connection status

Feature	Value
Diagnostics via bus	Wire breakage Short circuit Parameterisation error Upper limit value violated Excessive temperature Lower limit value not observed Undervoltage
Fieldbus interface	EtherCAT®
Field bus, protocol	EtherCAT®
Fieldbus interface, function	Bus connection incoming/outgoing
Field bus, connection type	2x socket
Field bus, connection system	RJ45
Fieldbus interface, connection pattern	00995789
Field bus, connection pattern	8
Field bus interface, electrical isolation	Yes
Field bus interface, transmission rate	100 Mbit/s
Fieldbus interface, note on transmission rate	100 Mbit, fast switching Ethernet
Max. address volume, inputs	64 Byte
Fieldbus interface, max. address volume for inputs	64 Byte
Note on inputs	62 bytes with I/O diagnostic interface 63 bytes with status bits 64 bytes without diagnostics
Max. address volume, outputs	64 Byte
Fieldbus interface, max. address volume for outputs	64 Byte
Note on outputs	62 bytes with I/O diagnostic interface 64 bytes with status bits 64 bytes without diagnostics
System parameters	Diagnostic memory Fail-safe response Force mode System start
Module parameters	Channel alarms for undervoltage
Configuration support	ESI file
Power supply, function	Electronic system and sensors
Power supply, connection type	Terminal strip
Power supply, note on connection type	> 4 A and UL 2x terminal strip for power supply
power supply, connection system	Spring-loaded terminal
Power supply, connection pattern	00995847
Power supply, number of pins/wires	4
Nominal DC operating voltage, electronics/sensors	24 V
Permissible voltage fluctuations for electronics/sensors	±25%
Power supply, conductor diameter	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Power supply, note on conductor diameter	0.2 - 2.5 mm <sup>2</sup> for flexible conductors without wire ferrule
Max. power supply	8 A
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 64 mA
Power failure bridging	20 ms
Reverse polarity protection	24 V sensor supply against 0 V sensor supply