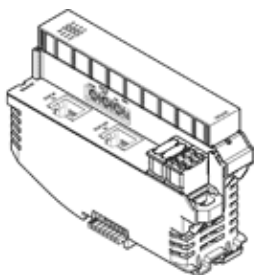


bus module CPX-E-EC

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
Grid dimension	18.9 mm
Mounting type	with top-hat rail
Max. no. of modules	10
Product weight	145 g
Assembly position	Vertical Horizontal
Ambient temperature	-5 ... 50 °C
Note on ambient temperature	-5 - 60°C for vertical installation
Storage temperature	-20 ... 70 °C
Relative air humidity	95 % non-condensing
Protection class	IP20
Corrosion resistance classification CRC	0 - No corrosion stress
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27
Protection against direct and indirect contact	Protective extra-low voltage with safe disconnection (PELV)
PWIS conformity	VDMA24364 zone III
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Authorisation	RCM Mark c UL us - Listed (OL)
Certificate issuing department	UL E239998
Materials note	Conforms to RoHS
Material housing	PA
Material screws	Galvanised steel
Diagnostics via LED	EtherCAT Error EtherCAT RUN Modify Power supply electronics/sensors Power supply load System error Connection status
Diagnostics via bus	Wire break Short circuit parameterisation error Upper limit value not observed Overtemperature Lower limit value not observed Undervoltage
Fieldbus interface	EtherCAT

Feature	Value
Fieldbus interface, protocol	EtherCAT
Fieldbus interface, type of connection	2x socket
Fieldbus interface, connection technology	RJ45
Fieldbus interface, number of pins/wires	8
Fieldbus interface, electrical isolation	Yes
Fieldbus interface, transmission rate	100 Mbit/s
Fieldbus interface, note on transmission rate	100 Mb, switched Fast Ethernet
Maximum address volume for inputs	64 Byte
Fieldbus interface, max. address volume for inputs	64 Byte
Note on inlets	62 bytes with I/O diagnostic interface 63 bytes with status bits 64 bytes without diagnostics
Maximum address volume for 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 reaction Force mode System start
Module parameters	Channel alarms bundling Undervoltage diagnostics Channel alarms undervoltage
Configuration support	ESI file
Power supply, function	Electronics and sensors
Power supply, type of connection	Terminal strip
Power supply, connection technology	Cage clamp terminal
Power supply, number of pins/wires	4
Nominal operating voltage DC for electronics/sensors	24 V
Permissible voltage fluctuations for electronics/sensors	± 25 %
Power supply, conductor diameter	0.2 ... 1.5 mm ²
Power supply, note on conductor diameter	0.2 - 2.5 mm ² for flexible conductors without wire end sleeves
Max. power supply	8 A
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typical 64 mA
Power failure buffering	20 ms
Polarity protected	24 V sensor supply against 0 V sensor supply