# bus module
## CPX-E-EC
Part number: 4080498

**FESTO**
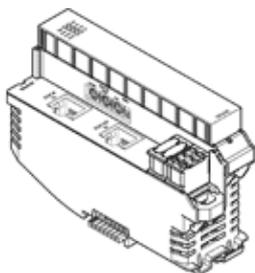


## Data sheet

| Feature | Value |
| --- | --- |
| Dimensions W x L x H | 42,2 mm x 125,8 mm x 76,5 mm |
| Grid dimension | 18.9 mm |
| 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 |
| Configuration support | ESI file |
| Max. no. of modules | 10 |
| System parameters | Diagnostic memory |
| | Fail-safe reaction |
| | Force mode |
| | System start |
| Module parameters | Channel alarms bundling |
| | Undervoltage diagnostics |
| | Channel alarms undervoltage |
| Intrinsic current consumption at nominal operating voltage for electronics/sensors | Typical 64 mA |
| Max. power supply | 8 A |
| Nominal operating voltage DC for electronics/sensors | 24 V |
| Power failure buffering | 20 ms |
| Permissible voltage fluctuations for electronics/sensors | ± 25 % |
| 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 |
| Power supply, conductor diameter | 0.2 ... 1.5 mm2 |
| Power supply, note on conductor diameter | 0.2 - 2.5 mm² for flexible conductors without wire end sleeves |
| Authorisation | RCM Mark |
| CE mark (see declaration of conformity) | to EU directive for EMC |
| Vibration resistance | Transport application test at severity level 1 in accordance with 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 |
| Corrosion resistance classification CRC | 0 - No corrosion stress |
| Storage temperature | -20 ... 70 °C |
| Relative air humidity | 95 % |

| Feature | Value |
|---|---|
| | non-condensing |
| Protection against direct and indirect contact | Protective extra-low voltage with safe disconnection (PELV) |
| Protection class | IP20 |
| Ambient temperature | -5 ... 50 °C |
| Note on ambient temperature | -5 - 60°C for vertical installation |
| Product weight | 145 g |
| Maximum address volume for outputs | 64 Byte |
| Note on outputs | 62 bytes with I/O diagnostic interface<br>64 bytes with status bits<br>64 bytes without diagnostics |
| Maximum address volume for inputs | 64 Byte |
| Note on inlets | 62 bytes with I/O diagnostic interface<br>63 bytes with status bits<br>64 bytes without diagnostics |
| Fieldbus interface, electrical isolation | Yes |
| Fieldbus interface, transmission rate | 100 Mbit/s |
| Fieldbus interface | EtherCAT |
| Fieldbus interface, type of connection | 2x socket |
| Fieldbus interface, connection technology | RJ45 |
| Fieldbus interface, number of pins/wires | 8 |
| Fieldbus interface, protocol | EtherCAT |
| Fieldbus interface, max. address volume for inputs | 64 Byte |
| Fieldbus interface, max. address volume for outputs | 64 Byte |
| Mounting type | with top-hat rail |
| Materials note | Contains PWIS substances<br>Conforms to RoHS |
| Material housing | PA |