

Bus module CPX-E-PB

Part number: 4080496

FESTO



| | | | |
|----|---|---|----|
| RD | 0 | 1 | RD |
| BU | 2 | 3 | BU |

Data sheet

| Feature | Value |
|--|--|
| Dimensions W x L x H | 42.2 mm x 76.5 mm x 125.8 mm |
| Width dimension | 18.9 mm |
| Type of mounting | With H-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 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27 |
| Protection against direct and indirect contact | PELV |
| LABS (PWIS) conformity | VDMA24364 zone III |
| CE marking (see declaration of conformity) | As per EU EMC directive As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| KC characters | KC EMC |
| Certification | RCM compliance mark c UL us - Listed (OL) |
| Certificate issuing authority | UL E239998 |
| Note on materials | RoHS-compliant |
| Housing material | PA |

| Feature | Value |
|--|---|
| Diagnostics via LED | Bus error Force mode Module status Power supply for electronics/sensors Load power supply System fault |
| Diagnostics via bus | Wire break Short circuit Parameterization error Buffer overflow Upper limit value violated Transmission error Lower limit value not complied with Undervoltage Watchdog/I/O status Requested function not supported Not ready for data exchange |
| Control elements | DIL switch |
| Fieldbus interface, type | PROFIBUS |
| Fieldbus interface, protocol | PROFIBUS DP |
| Fieldbus interface, connection type | Socket |
| Fieldbus interface, connection technology | Sub-D |
| Fieldbus interface, number of poles/wires | 9 |
| Fieldbus interface, galvanic isolation | yes |
| Fieldbus interface, transmission rate | 1.5 Mbit/s 12 Mbit/s 187.5 kbit/s 19.2 kbit/s 3 Mbit/s 500 kbit/s 6 Mbit/s 9.6 kbit/s 93.75 kbit/s |
| Service interface, function | Diagnostics and parameterization |
| Service interface, connection type | Socket |
| Service interface, connection technology | USB 2.0 type B, mini |
| Service interface, number of poles/wires | 5 |
| Max. address capacity inputs | 64 byte |
| Fieldbus interface, max. address volume for inputs | 64 byte |
| Information on inputs | 62 bytes with I/O diagnostic interface 63 bytes with status bits 64 bytes without diagnostics |
| Max. address capacity 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 parameter | Diagnostic memory Fail-safe response Force mode System start |
| Module parameters | Undervoltage diagnostics Analog module process value representation |
| Configuration support | GSD file |
| Power supply, function | Electronics and sensors |
| Power supply, type of connection | Terminal strip |
| Power supply, note on connection type | > 4 A and UL 2x terminal strip for power supply |
| Power supply, connection technology | Spring-loaded 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 mm ² ...1.5 mm ² |

| Feature | Value |
|--|---|
| Power supply, information on conductor diameter | 0.2 - 2.5 mm ² for flexible conductors without cable end sleeves |
| Max. power supply | 8 A |
| Intrinsic current consumption at nominal operating voltage for electronics/sensors | Typically 75 mA |
| Power failure buffering | 20 ms |
| Reverse polarity protection | 24 V sensor supply against 0 V sensor supply |