

# Bus node CTEU-CP

Part number: 2149714

FESTO



 General operating condition

## Data sheet

| Feature                                      | Value                                                                                                                                 |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Protocol                                     | CPI-B                                                                                                                                 |
| Dimensions W x L x H                         | 40 mm x 91 mm x 50 mm                                                                                                                 |
| Width dimension                              | 40 mm                                                                                                                                 |
| Type of mounting                             | On electrical interface<br>On electrical sub-base                                                                                     |
| Product weight                               | 105 g                                                                                                                                 |
| Ambient temperature                          | -5 °C ... 50 °C                                                                                                                       |
| Storage temperature                          | -20 °C ... 70 °C                                                                                                                      |
| Degree of protection                         | IP65<br>IP67                                                                                                                          |
| Note on degree of protection                 | In mounted state<br>Unused connections sealed                                                                                         |
| Corrosion resistance class (CRC)             | 2 - Moderate corrosion stress                                                                                                         |
| LABS (PWIS) conformity                       | VDMA24364 zone III                                                                                                                    |
| CE marking (see declaration of conformity)   | As per EU EMC directive<br>As per EU RoHS directive                                                                                   |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions                                                                                 |
| KC characters                                | KC EMC                                                                                                                                |
| Certification                                | RCM compliance mark<br>c UL us - Listed (OL)                                                                                          |
| Note on materials                            | RoHS-compliant                                                                                                                        |
| Housing material                             | PA                                                                                                                                    |
| LED display (product-specific)               | PS: operating voltage for electronics and load supply<br>X1: module system status at I-Port 1<br>X2: module system status at I-Port 2 |
| LED display (bus-specific)                   | RUN: communication OK                                                                                                                 |
| Diagnostics                                  | Communication error<br>System diagnostics<br>Undervoltage                                                                             |
| Control elements                             | DIL switch                                                                                                                            |
| Fieldbus interface, type                     | CP installation system                                                                                                                |
| Fieldbus interface, protocol                 | CPI-B                                                                                                                                 |
| Fieldbus interface, function                 | Incoming bus connection<br>Power supply                                                                                               |
| Fieldbus interface, connection type          | Plug                                                                                                                                  |
| Fieldbus interface, connection technology    | M9x0.5                                                                                                                                |
| Fieldbus interface, connection pattern       | 00992012                                                                                                                              |
| Fieldbus interface, number of poles/wires    | 5                                                                                                                                     |

| Feature                                                    | Value                                      |
|------------------------------------------------------------|--------------------------------------------|
| Fieldbus interface, transmission rate                      | 1000 kbit/s                                |
| Fieldbus interface 2, function                             | Bus connection, forwarding<br>Power supply |
| Fieldbus interface 2, connection type                      | Socket                                     |
| Fieldbus interface 2, connection technology                | M9x0.5                                     |
| Fieldbus interface 2, connection pattern                   | 00995398                                   |
| Fieldbus interface 2, number of poles/wires                | 5                                          |
| Max. address capacity inputs                               | 4 byte                                     |
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| Parameterization                                           | Diagnostic behavior<br>Fail-safe response  |
| Internal cycle time                                        | 2 ms per 2 byte of user data               |
| Configuration support                                      | None                                       |
| DC operating voltage range                                 | 18 V ... 30 V                              |
| Nominal operating voltage DC                               | 24 V                                       |
| Max. power supply                                          | 3.4 A                                      |
| Intrinsic current consumption at nominal operating voltage | Typ. 50 mA                                 |
| Power failure buffering                                    | 10 ms                                      |