

# Bus node CTEU-CO

Part number: 570038

FESTO



## Data sheet

| Feature                                   | Value                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions W x L x H                      | 40 mm x 91 mm x 50 mm                                                                                                                                                                                                                                                                                              |
| Type of mounting                          | On electrical interface<br>On electrical sub-base                                                                                                                                                                                                                                                                  |
| KC characters                             | KC EMC                                                                                                                                                                                                                                                                                                             |
| Note on fieldbus interface                | Optional connection technology with accessories:<br>Optional connection technology with accessories: micro style (plug/ socket M12x1 A-coded, 5-pin, degree of protection: IP65), open style (terminal strip, 5-pin, degree of protection: IP20)<br>Open style (screw terminal, 5-pin, degree of protection: IP20) |
| Fieldbus interface, protocol              | CANopen                                                                                                                                                                                                                                                                                                            |
| Power supply, function                    | Electronics and load                                                                                                                                                                                                                                                                                               |
| Note on outputs                           | Extendable to max. 16 bytes                                                                                                                                                                                                                                                                                        |
| Power supply, connection technology       | M12x1, B-coded as per EN 61076-2-101                                                                                                                                                                                                                                                                               |
| Power supply, type of connection          | Plug                                                                                                                                                                                                                                                                                                               |
| Fieldbus interface, type                  | CAN bus                                                                                                                                                                                                                                                                                                            |
| Fieldbus interface, function              | Bus connection, incoming/forwarding                                                                                                                                                                                                                                                                                |
| Fieldbus interface, transmission rate     | 125 kbit/s<br>250 kbit/s<br>500 kbit/s<br>1000 kbit/s                                                                                                                                                                                                                                                              |
| Fieldbus interface, galvanic isolation    | yes                                                                                                                                                                                                                                                                                                                |
| Information on inputs                     | Extendable to max. 16 bytes                                                                                                                                                                                                                                                                                        |
| Fieldbus interface, connection pattern    | 00995639                                                                                                                                                                                                                                                                                                           |
| Power supply, connection pattern          | 00995719                                                                                                                                                                                                                                                                                                           |
| Fieldbus interface, connection technology | Sub-D                                                                                                                                                                                                                                                                                                              |
| Fieldbus interface, connection type       | Plug                                                                                                                                                                                                                                                                                                               |
| Note on degree of protection              | In mounted state<br>Unused connections sealed                                                                                                                                                                                                                                                                      |
| Fieldbus interface, number of poles/wires | 9                                                                                                                                                                                                                                                                                                                  |
| Power supply, number of pins/wires        | 5                                                                                                                                                                                                                                                                                                                  |
| Width dimension                           | 40 mm                                                                                                                                                                                                                                                                                                              |
| Type code                                 | CTEU                                                                                                                                                                                                                                                                                                               |
| Diagnostics                               | Communication error<br>System diagnostics<br>Undervoltage                                                                                                                                                                                                                                                          |
| Configuration support                     | EDS file                                                                                                                                                                                                                                                                                                           |
| Additional functions                      | Acyclic data access via "SDO"<br>Emergency message                                                                                                                                                                                                                                                                 |

| Feature                                                    | Value                                                                                                                                 |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Parameterization                                           | Diagnostic behavior<br>Fail-safe response                                                                                             |
| Control elements                                           | DIL switch                                                                                                                            |
| Internal cycle time                                        | 1 ms per 1 byte of user data                                                                                                          |
| DC operating voltage range                                 | 18 V ... 30 V                                                                                                                         |
| Intrinsic current consumption at nominal operating voltage | Typ. 65 mA                                                                                                                            |
| Max. power supply                                          | 4 A                                                                                                                                   |
| Nominal operating voltage DC                               | 24 V                                                                                                                                  |
| Protocol                                                   | CANopen                                                                                                                               |
| CE marking (see declaration of conformity)                 | As per EU EMC directive                                                                                                               |
| Corrosion resistance class (CRC)                           | 2 - Moderate corrosion stress                                                                                                         |
| Storage temperature                                        | -20 °C ... 70 °C                                                                                                                      |
| Degree of protection                                       | IP65<br>IP67                                                                                                                          |
| Ambient temperature                                        | -5 °C ... 50 °C                                                                                                                       |
| Certification                                              | RCM compliance mark<br>c UL us - Listed (OL)                                                                                          |
| Product weight                                             | 90 g                                                                                                                                  |
| Max. address capacity outputs                              | 8 byte                                                                                                                                |
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| LED display (bus-specific)                                 | IO: I/O status<br>MNS: network status                                                                                                 |
| 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 |
| Note on materials                                          | Contains paint-wetting impairment substances<br>RoHS-compliant                                                                        |
| Housing material                                           | PA                                                                                                                                    |