

# Bus node CTEU-DN

Part number: 570039

**FESTO**



 General operating condition

## Data sheet

| Feature                                      | Value                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocol                                     | DeviceNet                                                                                                                                                                                                                                                                                                          |
| 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                               | 90 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                             | PC                                                                                                                                                                                                                                                                                                                 |
| 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)                   | IO: I/O status<br>MNS: network status                                                                                                                                                                                                                                                                              |
| Diagnostics                                  | Communication error<br>System diagnostics<br>Undervoltage                                                                                                                                                                                                                                                          |
| Control elements                             | DIL switch                                                                                                                                                                                                                                                                                                         |
| Note on fieldbus interface                   | 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)<br>Optional connection technology with accessories: |
| Fieldbus interface, type                     | CAN bus                                                                                                                                                                                                                                                                                                            |
| Fieldbus interface, protocol                 | DeviceNet                                                                                                                                                                                                                                                                                                          |
| Fieldbus interface, function                 | Bus connection, incoming/forwarding                                                                                                                                                                                                                                                                                |

| Feature                                                    | Value                                                                                                          |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Fieldbus interface, connection type                        | Plug                                                                                                           |
| Fieldbus interface, connection technology                  | Sub-D                                                                                                          |
| Fieldbus interface, connection pattern                     | 00995639                                                                                                       |
| Fieldbus interface, number of poles/wires                  | 9                                                                                                              |
| Fieldbus interface, galvanic isolation                     | yes                                                                                                            |
| Fieldbus interface, transmission rate                      | 125 kbit/s<br>250 kbit/s<br>500 kbit/s                                                                         |
| Max. address capacity inputs                               | 8 byte                                                                                                         |
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| Parameterization                                           | Diagnostic behavior<br>Fail-safe and idle response                                                             |
| Internal cycle time                                        | 1 ms per 1 byte of user data                                                                                   |
| Configuration support                                      | EDS file                                                                                                       |
| Additional functions                                       | Acyclic data access via "Explicit Message"<br>Quick connect<br>System status can be indicated via process data |
| Power supply, function                                     | Electronics and load                                                                                           |
| Power supply, type of connection                           | Plug                                                                                                           |
| Power supply, connection technology                        | M12x1, B-coded as per EN 61076-2-101                                                                           |
| Power supply, connection pattern                           | 00995719                                                                                                       |
| Power supply, number of pins/wires                         | 5                                                                                                              |
| DC operating voltage range                                 | 18 V ... 30 V                                                                                                  |
| Nominal operating voltage DC                               | 24 V                                                                                                           |
| Max. power supply                                          | 4 A                                                                                                            |
| Intrinsic current consumption at nominal operating voltage | Typ. 65 mA                                                                                                     |