



## EDIP Process display

- Display with bÜS Interface (CANopen) in 3.5" (8.9 cm) und 7" (17.8 cm) size
- Displays up to 4 or 64 process values, parameter and associated status information
- Touch Display supporting time plots, editing of process parameter and execution of pre-configured actions (7" Display)
- Easy integration and combination with other devices in the Bürkert EDIP platform
- Flexible mounting options for DIN rail clip, pipe mounting and wall mounting with a magnetic holder

Product variants described in the data sheet may differ from the product presentation and description.

### Can be combined with

|                                                                                     |                                                                                            |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|   | <b>Type ME43</b><br>Fieldbus gateway ▶                                                     |
|  | <b>Type ME63</b><br>Industrial Ethernet gateway, IP65/ IP67/ IP69k ▶                       |
|  | <b>Type 8741</b><br>Mass Flow Controller (MFC)/ Mass Flow Meter (MFM) for Gases ▶          |
|  | <b>Type 8802</b><br>ELEMENT continuous control valve systems - overview ▶                  |
|  | <b>Type 8681</b><br>Control head for decentralized automation of hygienic process valves ▶ |
|  | <b>Type 8652</b><br>AirLINE - the valve island optimised for process automation ▶          |
|  | <b>Type 8905</b><br>Online Analysis System ▶                                               |

### Type description

The process view display Type ME61 extends the EDIP (Efficient Device Integration Platform) with an easily attachable display for process parameters. The device provides a Bürkert system bus interface (bÜS) using an M12 connector, which allows easy integration with existing bÜS or CANopen environments. Using the EDIP configuration tool (Bürkert Communicator) the ME61 can be easily set up to display the desired information.

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## 1. General technical data

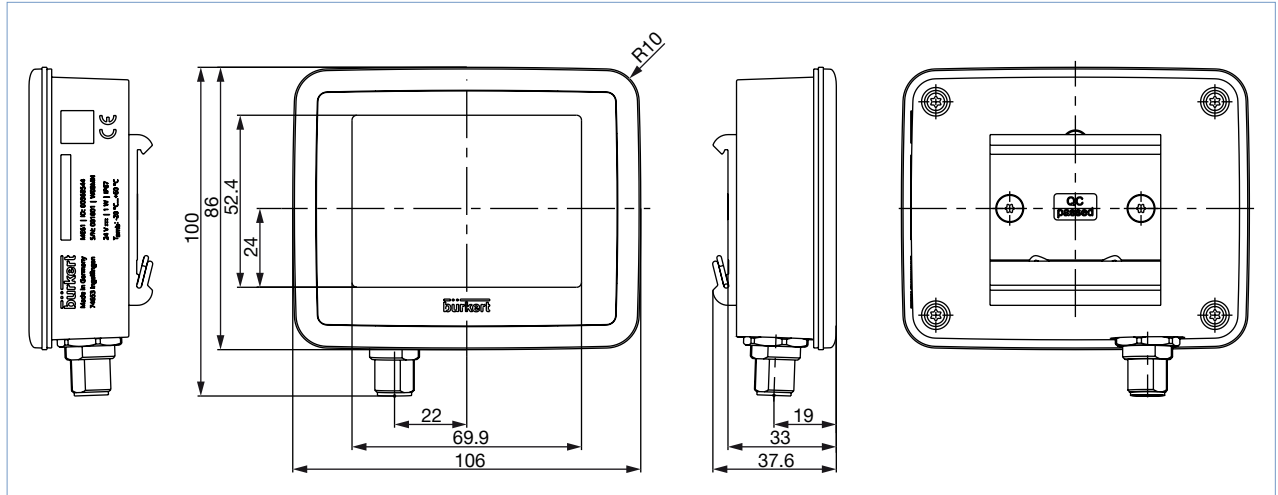
|                                                    |                                                                                                           |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Product properties</b>                          |                                                                                                           |
| Dimensions                                         | Detailed information can be found in chapter “ <a href="#">2. Dimensions</a> ” on page 4.                 |
| Weight                                             | 0.2 kg (3.5") – 0.35 kg (7")                                                                              |
| <b>Material</b>                                    |                                                                                                           |
| Body                                               | PC (Polycarbonate)                                                                                        |
| Status indication                                  | Integrated in the display for status indication of the connected devices (according to configuration)     |
| <b>Electrical data</b>                             |                                                                                                           |
| Operating voltage                                  | 24 V DC $\pm$ 10 % (max. residual ripple 10 %)                                                            |
| Power consumption of the module                    | 3 W                                                                                                       |
| <b>Process/Port connection &amp; communication</b> |                                                                                                           |
| Communication interface                            | Bürkert system bus (bÜS) for integration of the display into a CANopen/bÜS network via X1 (M12 connector) |
| Electrical connection                              | M12, A-coded, 5 pin plug (integrated with communication interface X1)                                     |
| <b>Approvals and certificates</b>                  |                                                                                                           |
| <b>Approvals</b>                                   |                                                                                                           |
| CE                                                 | EU-Conformity                                                                                             |
| <b>Environment and installation</b>                |                                                                                                           |
| Ambient temperature                                | -20 °C...+60 °C                                                                                           |
| Storage temperature                                | -30 °C...+80 °C                                                                                           |
| Degree of protection                               | IP65/66/67                                                                                                |

## 2. Dimensions

### 2.1. Display Type ME61 (3.5")

**Note:**

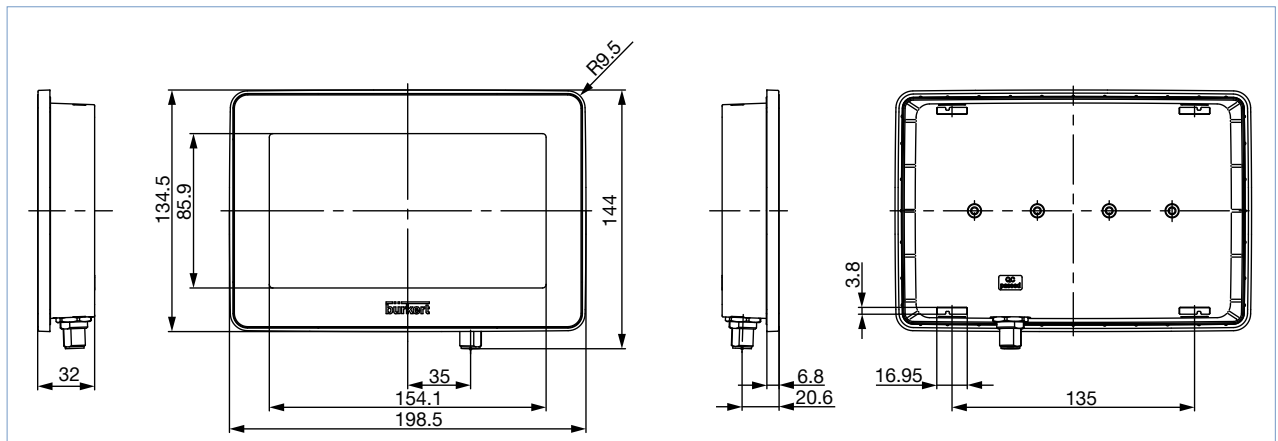
Dimensions in mm



### 2.2. Display Type ME61 (7")

**Note:**

Dimensions in mm



3. Device/Process connections

3.1. Pin assignment



| M12, X1 (plug), A-coded, 5-pol | Pin | Assignment | Function                  |
|--------------------------------|-----|------------|---------------------------|
|                                | 1   | FE/CAN_GND | Shield                    |
|                                | 2   | 24 V       | Power supply              |
|                                | 3   | GND        | Power supply              |
|                                | 4   | CAN_H      | büS/CANopen communication |
|                                | 5   | CAN_L      | büS/CANopen communication |

4. Product design and assembly

4.1. Product features

Display Type ME61 (3.5")



**Function:**  
Visualization of up to four process values in a büS/CANopen network

**Communication/Power supply:**  
büS/CANopen, M12, A-coded, 5 pin

Display Type ME61 (7")



**Function:**  
Visualization of up to 64 process values in a büS/CANopen network  
Graphical display of time curves of process values  
Programmable touch function for triggering functions

**Communication/Power supply:**  
büS/CANopen, M12, A-coded, 5 pin

## 5. Product accessories

### 5.1. EDIP – Efficient Device Integration Platform

EDIP is the new Bürkert device platform that will standardize the operation, communication and interfaces of many process devices (e.g. sensors, mass flow controllers) in the future. Thanks to EDIP, devices can be intelligently networked and operated with the standardized software, the Bürkert Communicator. The basis and link of EDIP is a digital interface based on the CANopen standard. EDIP offers the user the following advantages:

- Interoperability - guaranteed by the uniform interface
- Comfortable operation and display concept
- Faster and simplified commissioning
- Modularity - allows the devices to be adapted to individual customer requirements
- Easy transfer and fusion of device settings

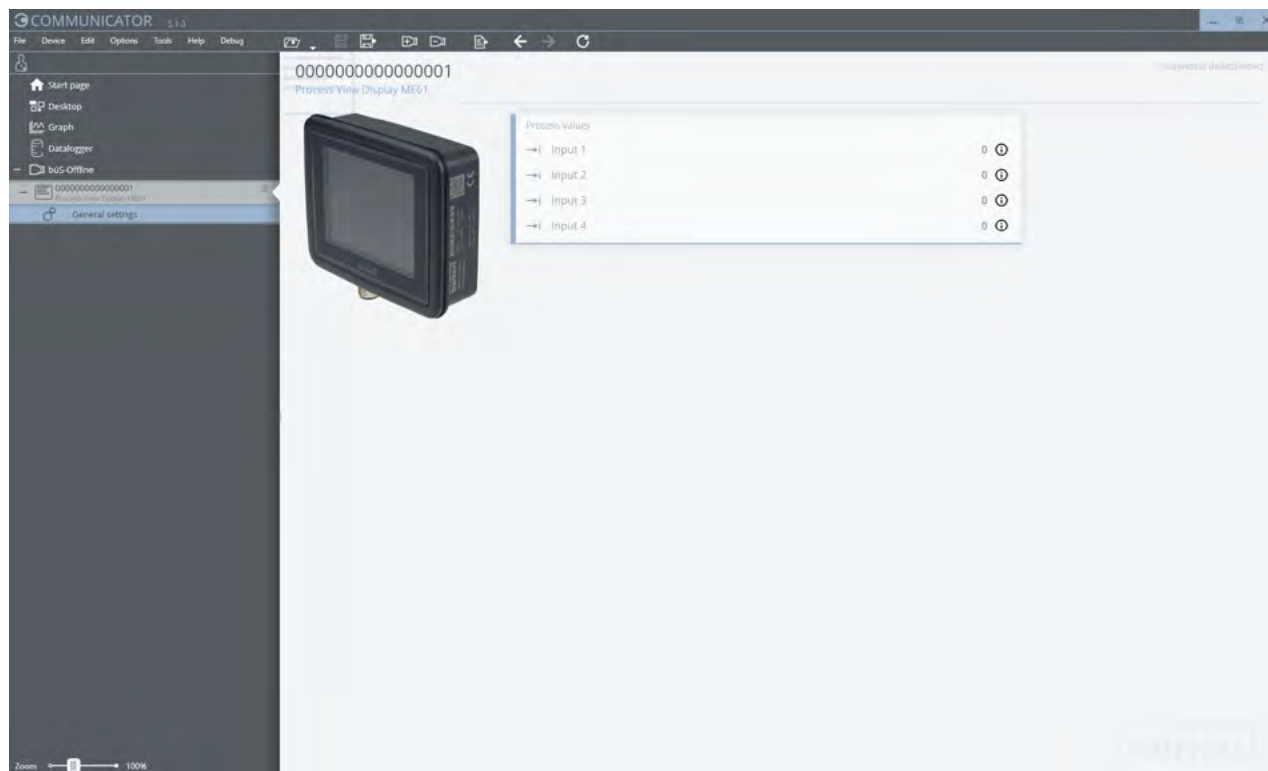
### 5.2. Software Bürkert Communicator

#### Note:

To install the software, click [here](#) ►.

Part of Bürkert's new EDIP program (Efficient Device Integration Platform) is the Bürkert Communicator. This software can be run under MS-Windows and it is available on Bürkert's website for free. The Bürkert Communicator allows convenient system configuration and parametrisation of all connected field devices. An accessory part, the bÜS stick serves as the interface between computer and process instruments (see "7.4. Ordering chart accessories" on page 8). The Communicator allows:

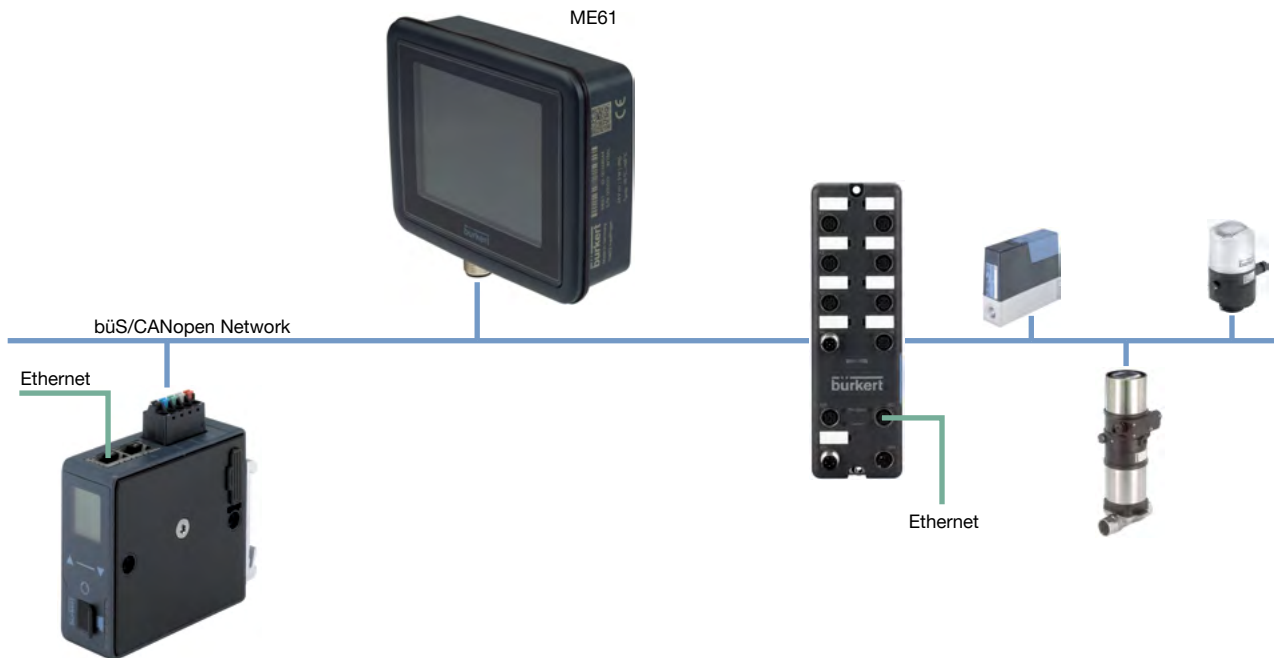
- Diagnostics
- Parametrization
- Registration and storage of process data
- Graphical monitoring of the process data
- To update firmware of the bÜS device connected
- Guided re-calibration



## 6. Networking and combination with other Bürkert products

### Note:

- Lengths of stub lines should not be longer than 5 m.
- Signal integrity measurement is recommended for star cabling of more extensive networks.
- See also **cabling guide** ►



### Short description of the illustrated example:

- Connection of 6 Bürkert devices via bUS/CANopen network
- All bUS devices can be reached via gateway over Ethernet.
- ME43 or ME63 Industrial Ethernet Gateways can also connect complex bUS systems to higher-level Ethernet networks.
- A total of up to 126 bUS/CANopen devices can be connected to one gateway.
- ME61 can be configured to display up to 4 arbitrary values of the bUS devices in the network.
- Other ME61 can be connected to the bUS network to display additional parameters.

## 7. Ordering information

### 7.1. Bürkert eShop – Easy ordering and quick delivery



#### Bürkert eShop – Easy ordering and fast delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

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## 7.2. Bürkert product filter



**Bürkert product filter – Get quickly to the right product**

You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

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## 7.3. Ordering chart

### Note:

Please note that the ME61 gateway modules are not configured at the factory. However, they must be configured to enable their use in a system. The device description files for the required protocols must be generated with the communicator software before commissioning a system. You can find further details in the **Operating manual for ME61** ►.

| Article                           | Article no. |
|-----------------------------------|-------------|
| Process view display ME61 (3.5")  | 368544      |
| Process Control Display ME61 (7") | 368545      |

## 7.4. Ordering chart accessories

| Article                                                                                                    | Article no.            |
|------------------------------------------------------------------------------------------------------------|------------------------|
| Magnetic holder for ME61                                                                                   | 394071                 |
| büS cable extension, M12, 0.1 m                                                                            | 772492                 |
| büS cable extension, M12, 0.2 m                                                                            | 772402                 |
| büS cable extension, M12, 0.5 m                                                                            | 772403                 |
| büS cable extension, M12, 1 m                                                                              | 772404                 |
| büS cable extension, M12, 3 m                                                                              | 772405                 |
| M12 socket, straight (A-coded) <sup>1.)</sup>                                                              | 772416                 |
| M12 plug, straight (A-coded) <sup>1.)</sup>                                                                | 772417                 |
| M12 socket, angled (A coded) <sup>1.)</sup>                                                                | 772418                 |
| M12 plug, angled (A-coded) <sup>1.)</sup>                                                                  | 772419                 |
| Y distributor                                                                                              | 772420                 |
| Y distributor for connecting two separately powered segments of a büS network                              | 772421                 |
| Terminating resistor, 120 Ohm, M12 plug                                                                    | 772424                 |
| Terminating resistor, 120 Ohm, M12 socket                                                                  | 772425                 |
| Power supply unit Type 1573 for DIN rail, 100...240 V AC/24 V DC, 1.25 A, NEC Class 2 (UL 1310)            | 772438                 |
| Power supply unit Type 1573 for DIN rail, 100...240 V AC/24 V DC, 1 A, NEC Class 2 (UL 1310)               | 772361                 |
| Power supply unit Type 1573 for DIN rail, 100...240 V AC/24 V DC, 2 A, NEC Class 2 (UL 1310)               | 772362                 |
| Power supply unit Type 1573 for DIN rail, 100...240 V AC/24 V DC, 3.8 A, NEC Class 2 (UL 1310)             | 772898                 |
| Power supply unit Type 1573 for DIN rail, 100...240 V AC/24 V DC, 10 A                                     | 772698                 |
| büS-Stick Set 1 (incl. cable (M12), stick with integrated terminating resistor, power supply and software) | 772426                 |
| büS-Stick Set 2 (incl. cable (M12)), stick with integrated terminating resistor                            | 772551                 |
| Software Bürkert Communicator                                                                              | <a href="#">Link ►</a> |

1.) For space reasons, the individual M12 connectors may not be suitable for simultaneous use on the same side of a Y distributor. In this case, please use a commercially available moulded cable.



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