

1

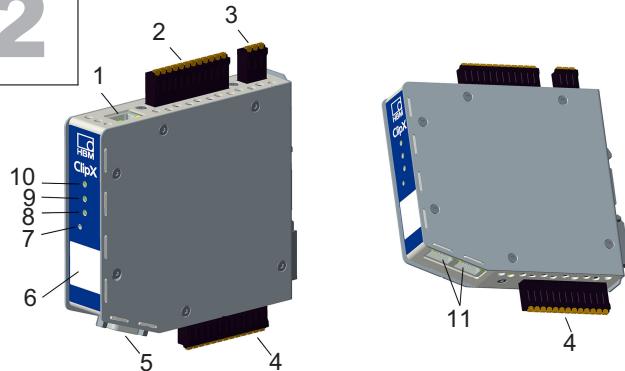
Mounting on a support rail



- ▶ Hang the ClipX from the top edge of the support rail.
 - ▶ Push the ClipX onto the support rail in the direction of the arrow as shown in the picture.
- The clip at the bottom secures the ClipX by a spring

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Available connections and LEDs



- | | |
|--|---|
| 1 X1: Ethernet connection | 7 Reset button |
| 2 X2: Supply voltage, Digital I/O, ClipX bus | 8 Fieldbus LED 1 |
| 3 X3: Analog output | 9 Fieldbus LED 2 |
| 4 X4: Transducer connection | 10 System LED |
| 5 X5: Fieldbus, here PROFIBUS (BM40PB only) | 11 X6/X7: 2 x RJ45; P1/IN (X7) and P2/OUT (X6) for EtherNet/IP™, PROFINET, EtherCAT or Modbus-TCP (only BM40IE) |
| 6 HBM calibration mark | |

3

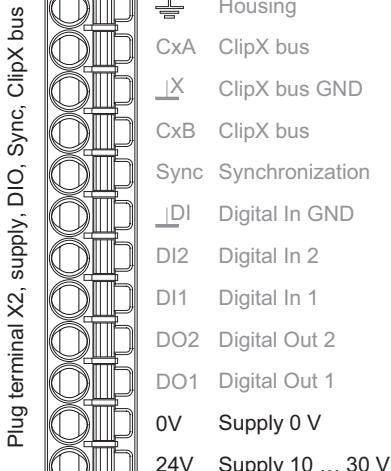
Connecting the supply voltage

- ▶ Connect the supply voltage (10 to 30 V_{DC}) to terminal X2 (top).

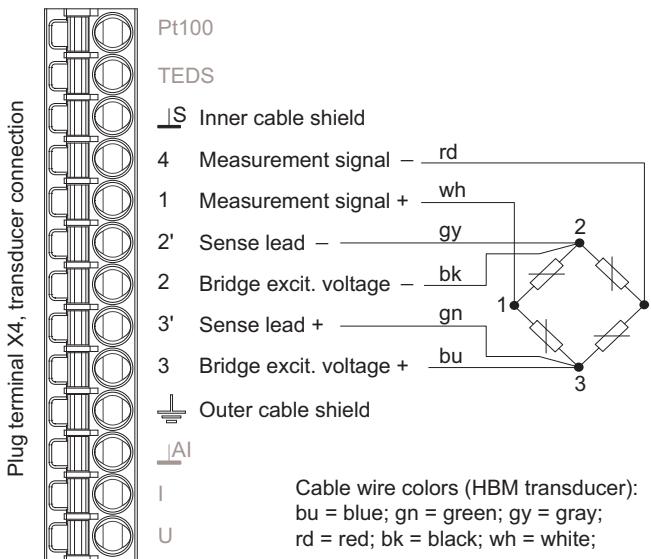
4

Connecting transducers

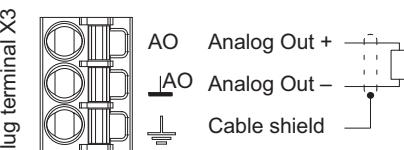
IMPORTANT: In the case of sensors with 6-wire circuits and cables with inner shielding (three shielded and twisted wire pairs) and an outer cable shield, the shields should be routed to separate connections by the shortest possible lines. If possible, connect the outer cable shield by a shielded terminal to the control cabinet input.



Supply voltage at plug terminal X2



Plug terminal X4, 6-wire pin assignment; with half bridge, connector 4 is omitted. Transducers in 4-wire circuit require short circuits between 2 and 2' as well as between 3 and 3'.



Plug terminal X3, pin assignment for analog output

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Connecting a web browser

You have two options for connecting:

1. You are using the ClipX's default settings (DHCP).
2. You are using the ClipX's fixed IP address.

Using DHCP

Make sure that your PC is also using DHCP. Connect your PC either directly to the ClipX or connect your PC and the ClipX to your network or switch. After connecting, wait about one minute for the ClipX and PC to set their addresses before connecting.

Using ClipX's fixed address (192.168.0.234)

Enable the ClipX's fixed address:

1. Switch on the supply voltage.
2. Wait about one minute until the device is ready.
3. Press the Reset button (see picture on the left side) three times using a pen or small screwdriver. Each press must be held for at least 0.5 seconds, and the pause between them must not be more than 3 seconds.
4. If the ClipX has successfully detected the button presses, the system LED flickers yellow and the ClipX reboots. The fixed IP address is then set. Otherwise, you have up to three minutes in which to repeat the sequence.
5. Wait for the reboot to complete before connecting to the device.

Make sure that your PC's IP address is in the same network segment (192.168.0.x, where x is a number between 1 and 254 other than 234). Connect your PC and the ClipX by an Ethernet cable.

Connecting

- ▶ Launch your web browser.
- ▶ Enter ClipX/ or http://ClipX/ or http://ClipX.local in the address bar. Enter 192.168.0.234 if you are using the fixed (static) IP address of the ClipX.
- ▶ The start screen (Login) with User Management is displayed. From it, select your user level or the Home menu.

Notes

- Operation via fieldbus, the device description files, firmware updates as well as tutorials and tech notes are available from the HBM website: <https://www.hbm.com/ClipX>.
- We recommend making at least the basic settings with your web browser.
- After connecting via the browser, you are initially at the Operator user level (Symbol). Click on the icon at the top right of the window to select a different user level. User management enables you to restrict access to the ClipX menus through a browser.



For detailed information, please check the data sheet and manual of this product at:
<https://www.hbm.com/ClipX>

