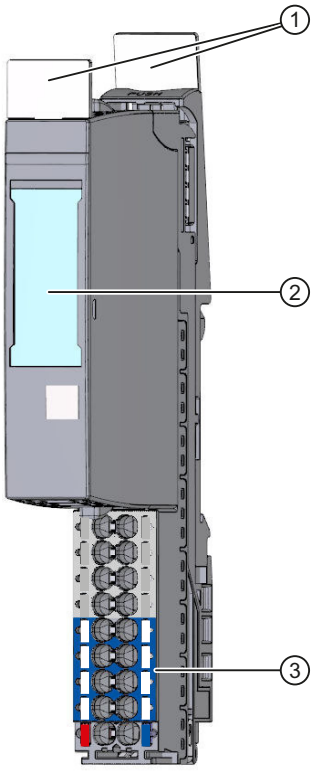
**Labeling strips**

The labeling strips can be inserted in the CPU/interface module, I/O module and BU cover and allow identification of the ET 200SP distributed I/O system. The labeling strips can be ordered on a roll for thermal transfer printers or as DIN A4 format sheets for laser printers.




① Reference identification labels
② Labeling strips
③ Color identification labels

Figure 8-15 Optional markings

## 8.16.3 Applying color identification labels

### Requirements

The BaseUnits must not be wired when you apply the color identification labels.

### Required tools

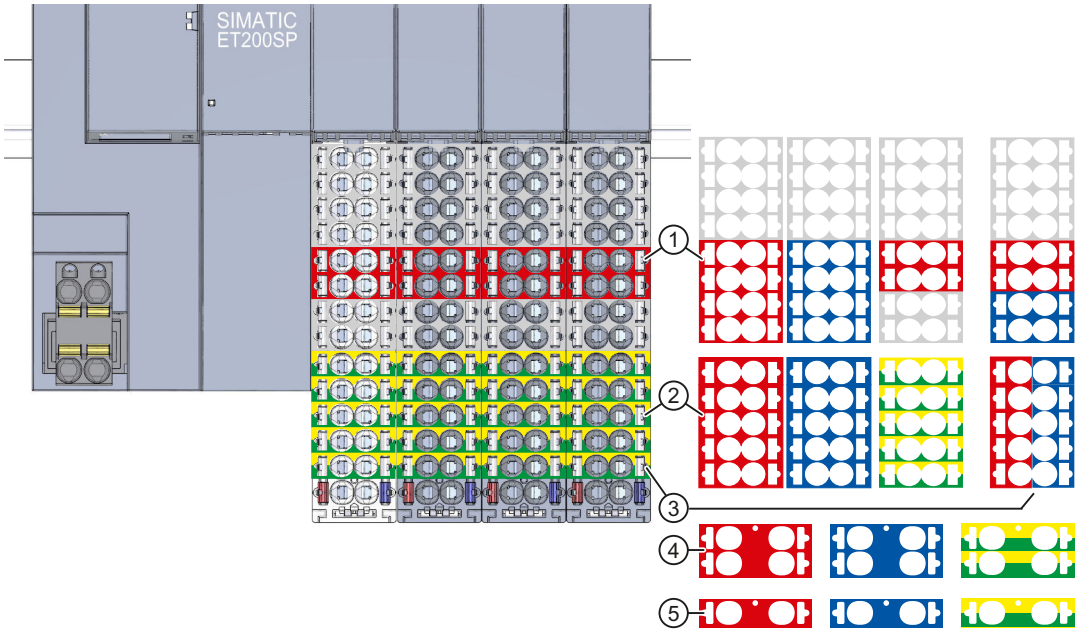
3 mm screwdriver (only for removing the color identification labels)

### Applying color identification labels

Press color identification labels into the terminal box of the BaseUnit.

**NOTE**

To remove the color identification labels, you must first disconnect the wiring on the BaseUnit and then carefully lever the color identification labels out of the holder using a screwdriver.




① Module-specific color identification labels (15 mm) for the process terminals. You can find additional information in the I/O Module (https://support.automation.siemens.com/WW/view/en/55679691/133300) manual.

② Color identification labels (15 mm) for the 10 AUX terminals

③ Color identification label (15 mm) for the 10 add-on terminals

④ Color identification labels (20 mm) for the 4 AUX terminals

⑤ Color identification labels (20 mm) for the 2 AUX terminals

Figure 8-16 Applying color identification labels (example)

| NOTICE |
| --- |
| **AUX bus as PE bar**<br>If you use an AUX bus as a protective conductor (PE), attach the yellow-green color identification labels to the AUX terminals.<br>If you stop using the AUX terminals as a protective conductor bar, remove the yellow-green color identification labels and make sure that the system is still protected. |

| NOTICE |
| --- |
| **Supply of incorrect potential possible**<br>Check that the color-coded labels/wiring is correct before commissioning the plant. |

## 8.16.4 Applying labeling strips

### Procedure

Watch video sequence: "Labeling"
(https://support.automation.siemens.com/WW/view/en/95886218)

Proceed as follows to install a labeling strip:

1. Label the strips.
2. Insert the labeling strip into the interface module or I/O module.

## 8.16.5 Applying reference identification labels

### Procedure

Watch video sequence: "Labeling"
(https://support.automation.siemens.com/WW/view/en/95886218)

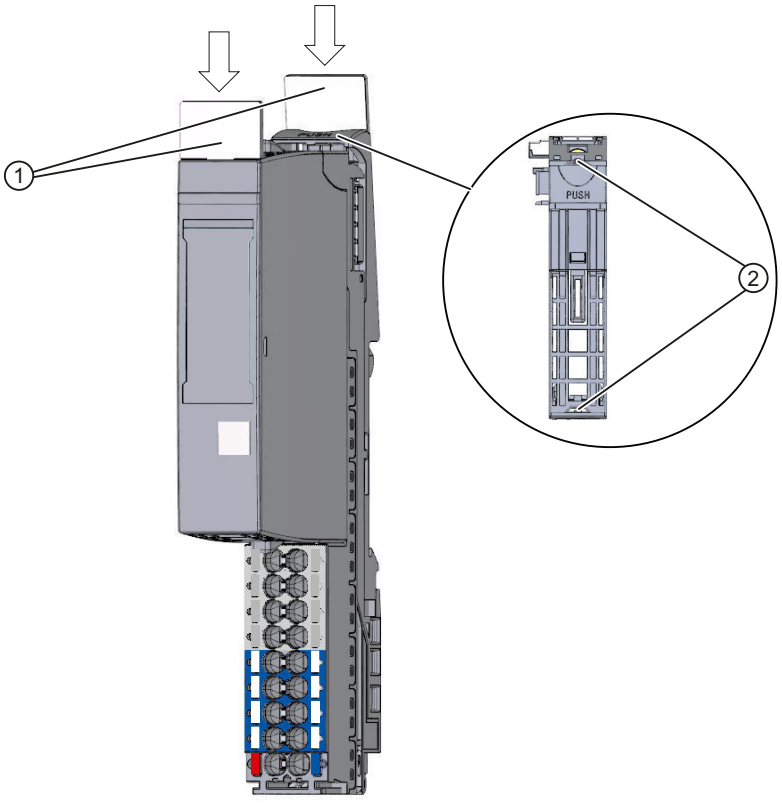
Proceed as follows to install a reference identification label:

1. Break off the reference identification labels from the sheet.
2. Insert the reference identification labels into the opening on the CPU/interface module, BusAdapter, BaseUnit, I/O module and PotDis-TerminalBlock. The insertion opening is located on top of the BaseUnit or the I/O module/PotDis-TerminalBlock.

**NOTE**

**Reference identification label**

The printable side of the reference identification label must be facing forward.




① Reference identification labels

② Opening for label

Figure 8-17 Applying reference identification labels

# 13.5 Removing/inserting a SIMATIC memory card on the CPU

### Requirement

The CPU only supports pre-formatted SIMATIC memory cards. If necessary, delete all previously stored data before using the SIMATIC memory card. You can find more information on deleting the content of the SIMATIC memory card in the function manual Structure and use of the CPU memory.
In order to work with the SIMATIC memory card, first ensure that the SIMATIC memory card is not write-protected. If it is, move the slider out of the lock position.

### Inserting the SIMATIC memory card

To insert a SIMATIC memory card, follow these steps:

1. Ensure that the CPU is either switched off or in STOP mode.
2. Insert the SIMATIC memory card, as depicted on the CPU, into the slot for the SIMATIC memory card.

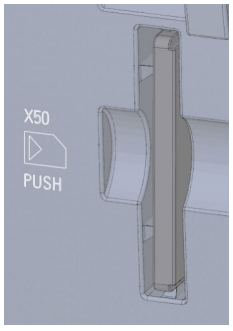



Figure 13-7 Slot for the SIMATIC memory card

3. Insert the SIMATIC memory card with light pressure into the CPU, until the SIMATIC memory card latches.

### Removal of the SIMATIC memory card

To remove a SIMATIC memory card, follow these steps:

1. Switch the CPU to STOP mode.
2. Press the SIMATIC memory card into the CPU with light pressure. After audible unlatching of the SIMATIC memory card, remove it.

Only remove the SIMATIC memory card in POWER OFF or STOP mode of the CPU. Ensure that no writing functions (online functions with the programming device, e.g. loading/deleting a block, test functions) are active in STOP mode or were active before POWER OFF.

### Reactions after removing/inserting the SIMATIC memory card

Inserting and removing the SIMATIC memory card in STOP, STARTUP or RUN mode triggers a re-evaluation of the SIMATIC memory card. The CPU hereby compares the content of the configuration on the SIMATIC memory card with the backed-up retentive data. If the backed-up retentive data matches the data of the configuration on the SIMATIC memory card, the retentive data is retained. If the data differs, the CPU automatically performs a memory reset (which means the retentive data is deleted) and then goes to STOP.

The CPU evaluates the SIMATIC memory card, and this is indicated by the RUN/STOP LED flashing.

### Reference

You can find more information on the SIMATIC memory card in the function manual Structure and use of the CPU memory (https://support.industry.siemens.com/cs/ww/en/view/59193101).

## 13.6 Operating modes of the CPU

### Introduction

Operating modes describe the status of the CPU. The following operating modes are possible using the mode selector:

- STARTUP
- RUN
- STOP

In these operating modes, the CPU can communicate, for example, via the PROFINET interface.

The status LEDs on the front of the CPU indicate the current operating mode.