

Quick Start for Configuring an HMI Faceplate

SIMATIC Comfort Panels, Runtime Advanced and WinCC (TIA Portal)

Warranty and Liability

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1.1 Introduction

1 Creating a Faceplate

1.1 Introduction

Faceplates can be used for creating and changing elements centrally. Easy connection of process values is also possible.

Using a simple example, the configuration of a faceplate in connection with a PLC data type is explained.

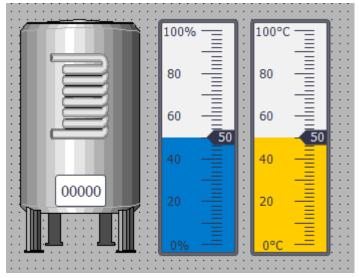
1.2 Task Description

For several identical tank containers, the following process values shall be output in a standardized picture.

- Current filling level
- Percentage of filling level
- Temperature of the liquid

Displayed picture in which the process values are output.

Figure 1-1

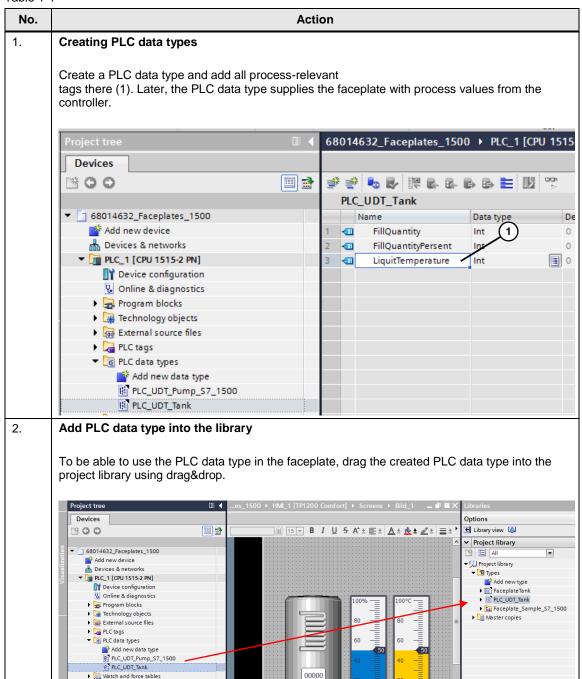


1.3 PLC configuration

1.3 PLC configuration

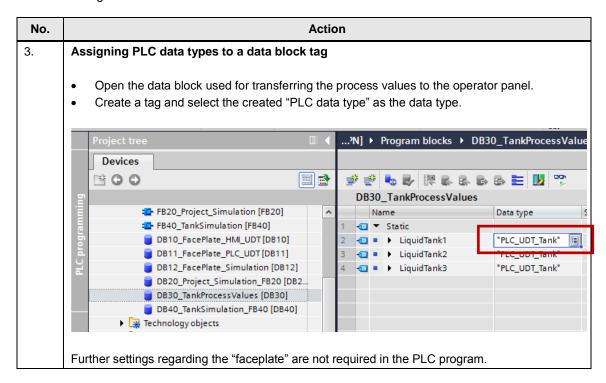
PLC program part

Table 1-1



1 Creating a Faceplate

1.3 PLC configuration



1.4 HMI configuration

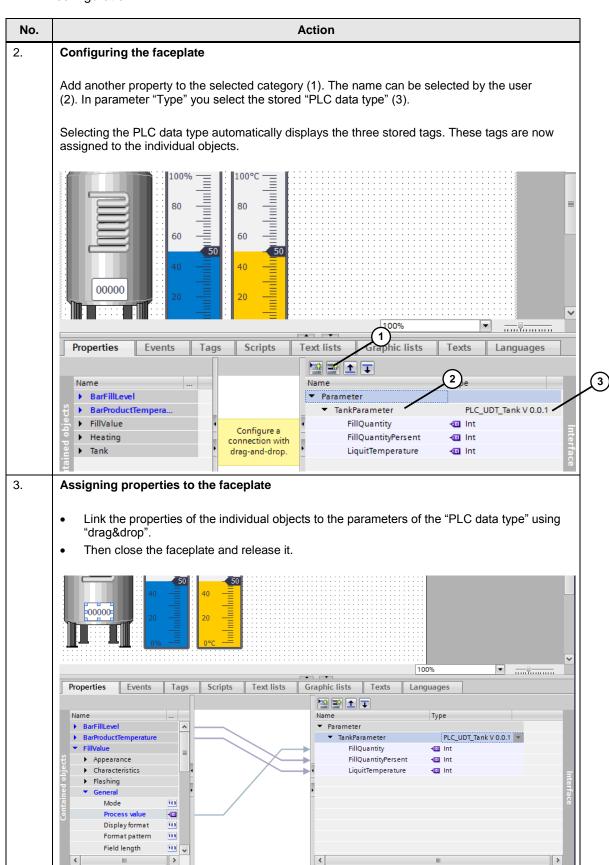
1.4 HMI configuration

Table 1-2

No. Action 1. **Creating faceplates** Open a picture in which you compile all objects to be contained in the faceplate (I/O fields, symbols etc.). 100°C 80 60 60 40 00000 Mark all objects. Right-click on the marked objects. Select "Create faceplate type" from the context menu: Cut Copy Ctrl+X Ctrl+C Paste Copy to excel format Ctrl+V X Delete Del Create faceplate Order Animations Events Change object references Change object color Alt+Enter Properties

The faceplate editor opens. The further configuration of the faceplate is performed in the editor.

1.4 HMI configuration



1.4 HMI configuration

No. **Action** 4. Assigning tags to the faceplate interface The data exchange between the controller and the objects stored in the faceplate is performed via the interface. Drag the completed faceplate from the library into the plant picture and open the properties of the faceplate (1). A parameter is now displayed in the "Interfaces" tab (2). As the tag for this parameter you select the data block address intended for data exchange between controller and operator panel (see Link). This completes the generation and configuration of the faceplate. In this example, the faceplate was entered a second time into the plant picture of the faceplate. The only necessary modification was a new tag that had to be assigned to the interface. 1 100% 100°C 10000 80 00000 00000 2 » 100° IIII Properties 1<u>1</u>, lı Properties Interface Animations Events Texts 12 🖹 🖹 Static value Dynamization Name DB30_TankProcessValues_LiquidTank1 ■ ... • •

2 Further documents on this application example

Basics - Documentation and application example

Continuing information is available on the entry page of this application example entry-ID: $\underline{68014632}$. $\2\$

In detail:

- A detailed description of the parameters and functions of a faceplate.
 Document "68014632_Faceplates_Basics.pdf".
- Further configuration examples.

 Document "68014632_Faceplates_EngineeringExamples.pdf".

3 Links & Literature

Table 3-1

	Topic	Title
\1\	Siemens Industry Online Support	https://support.industry.siemens.com
\2\	Download page of the entry	https://support.industry.siemens.com/cs/ww/en/68014632
/3/	FAQ	What are the functional differences between the different SIMATIC panels? https://support.industry.siemens.com/cs/ww/en/view/40227286
\4\	FAQ	How can you create faceplates in WinCC (TIA Portal) with user authorizations? https://support.industry.siemens.com/cs/ww/en/view/57434982
\5\	Application	Application: Sample blocks for STEP 7 and WinCC flexible https://support.industry.siemens.com/cs/ww/en/view/36435784
\6\	Application	Faceplates for the Visualization of Sentron PAC Power Meters. https://support.industry.siemens.com/cs/ww/en/view/67318600

4 History

Table 4-1

Version	Date	Modifications
V2.0	06/2015	First publication