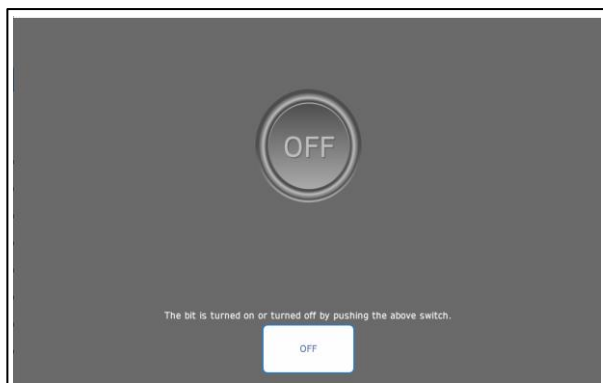# Sample Templates Document: GPC_Push_Button03.blu

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All pertinent state, regional, and local safety regulations must be observed when installing and using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer should perform repairs to components.

When devices are used for applications with technical safety requirements, the relevant instructions must be followed.

Failure to use Schneider Electric software or approved software with our hardware products may result in injury, harm, or improper operating results.
Failure to observe this information can result in injury or equipment damage.

Safety Information

ⓘ

Important Information

NOTICE

Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.

The addition of this symbol to a "Danger" or "Warning" safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

⚠ CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result** in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury.

PLEASE NOTE

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction and operation of electrical equipment and its installation, and has received safety training to recognize and avoid the hazards involved.

Pro-face
by **Schneider** Electric

About the Book

At a Glance

Document Scope

This manual describes how to use this product.

Validity Note

This documentation is valid for this product.
The technical characteristics of the device(s) described in this manual also appear online at
http://www.pro-face.com.

The characteristics presented in the present document should be the same as those that appear online. In line with our policy of constant improvement we may revise content over time to improve clarity and accuracy. In the event that you see a difference between the document and online information, use the online information as your reference.

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Product names used in this manual may be the registered trademarks owned by the respective proprietors.

Related Documents

You can download the manuals related to this product, such as the software manual, from our support site at *http://www.pro-face.com/trans/en/manual/1001.html*.

Product Related Information

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

In the event this product does not run properly due to whatever reason, it may be difficult or impossible to identify a function. Functions that may present a hazard if not immediately executed, such as a fuel shut-off, must be provided independently of this product. The machine's control system design must take into account the operator being unable to control the machine or making mistakes in the control of the machine.

⚠ WARNING

UNINTENDED EQUIPMENT OPERATION

The application of this product requires expertise in the design and programming of control systems. Only persons with such expertise should be allowed to program, install, alter, and apply this product.

● Follow all local and national safety standards.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

For additional information, refer to NEMA ICS 1.1 (latest edition), "Safety Guidelines for the Application, Installation, and Maintenance of Solid State Control" and to NEMA ICS 7.1 (latest edition), "Safety Standards for Construction and Guide for Selection, Installation and Operation of Adjustable-Speed Drive Systems" or their equivalent governing your particular location.

Table of Content

Target: ST-6500WAD

Driver: None

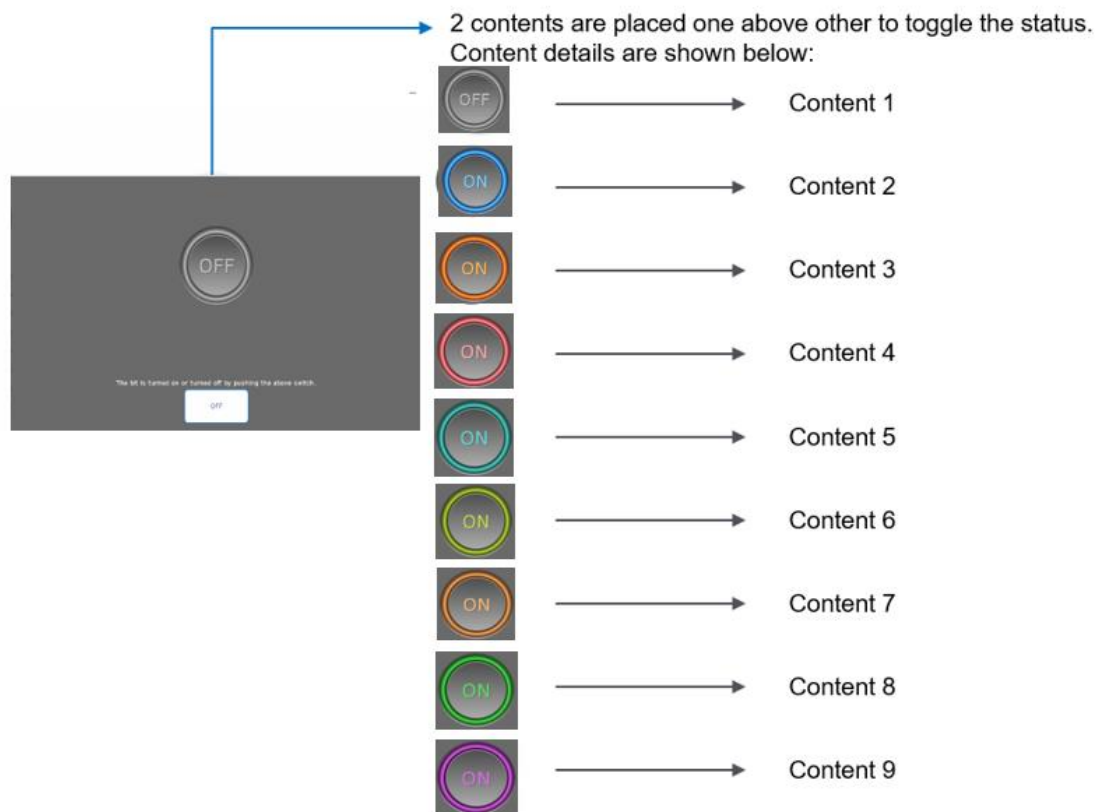BLUE version 3.2 SP1 or later

Template Overview

This template has a circular ON/OFF push button in 8 different colours.

Project structure

On Combination_Demo screen, 2 content displays are placed. One content display for Off state (Content539) and other content displays for On state (Content540 to Content547, based on requirement) are called in Combination_Demo screen.

Screen			
Combination _Demo	ContentsDisplay_OFF (Contents ID: 539)	GPC_Push_Button03_OFF_Color	OFF- Grey
	ContentsDisplay_ON (Contents ID: 540/541/542/543/544/545/ 546/547)	GPC_Push_Button03_ON_Color1	ON- Blue
		GPC_Push_Button03_ON_Color2	ON- Orange
		GPC_Push_Button03_ON_Color3	ON- Red
		GPC_Push_Button03_ON_Color4	ON- Turquoise
		GPC_Push_Button03_ON_Color5	ON- Lime Yellow
		GPC_Push_Button03_ON_Color6	ON- Brown
		GPC_Push_Button03_ON_Color7	ON- Green
		GPC_Push_Button03_ON_Color8	ON– Purple

2 contents are placed one above other to toggle the status.
Content details are shown below:

OFF ──────────▶ Content 1

ON ──────────▶ Content 2

ON ──────────▶ Content 3

ON ──────────▶ Content 4

ON ──────────▶ Content 5

ON ──────────▶ Content 6

ON ──────────▶ Content 7

ON ──────────▶ Content 8

ON ──────────▶ Content 9

Run Time Behavior

Runtime/Simulation of this template displays a Circular push button.

Click the Push button to toggle between the OFF and ON state.

The Status of the bit can be viewed in a lamp placed at the bottom of the screen.

How to copy the objects to your project file

1. Open your project file and downloaded project file simultaneously.
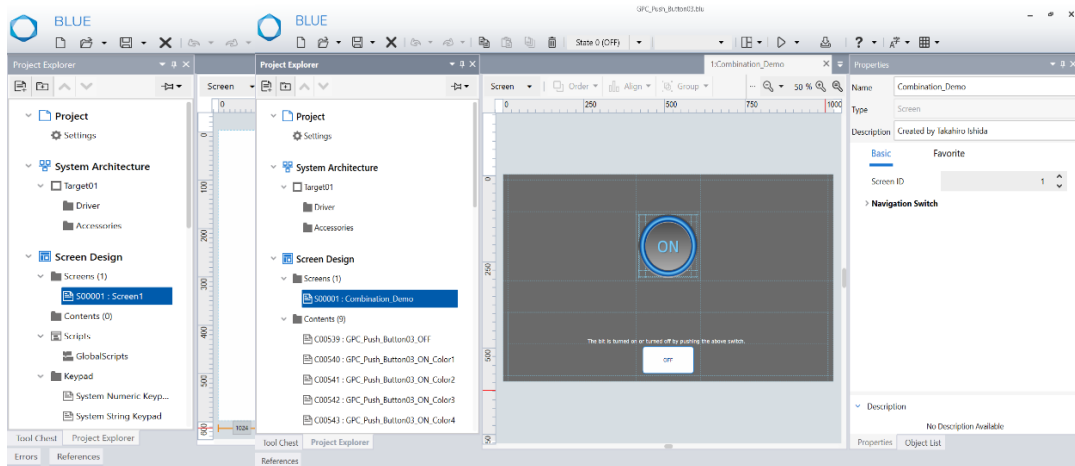
2. Open the downloaded project file.

   Click the Content:C00539 from "Contents" and copy the content using ⧉ copy icon from the global Toolbar.
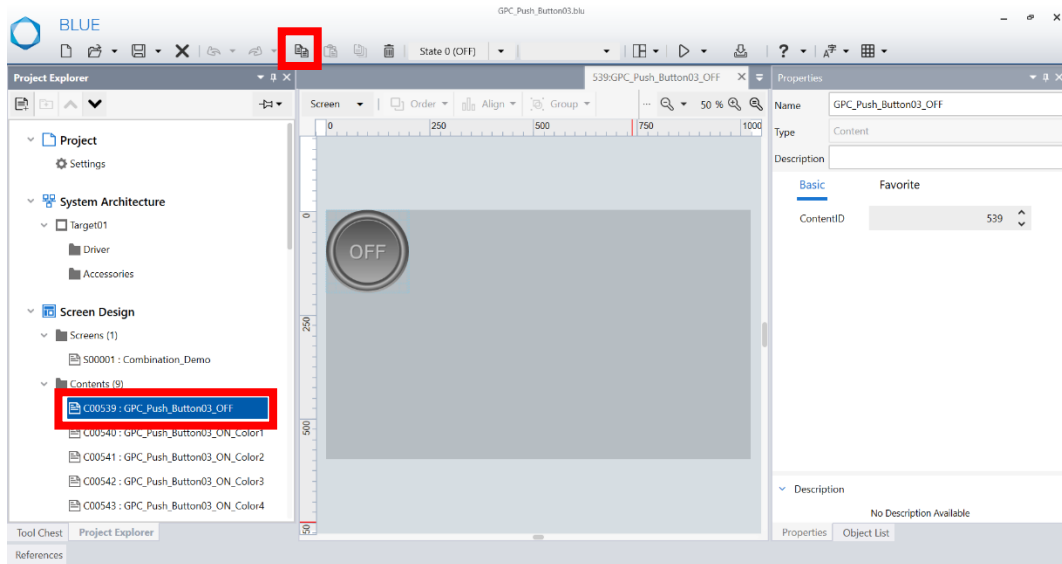
3. Open your project file.

   Click "Contents" and then click on the paste 📋 icon from the global Toolbar.
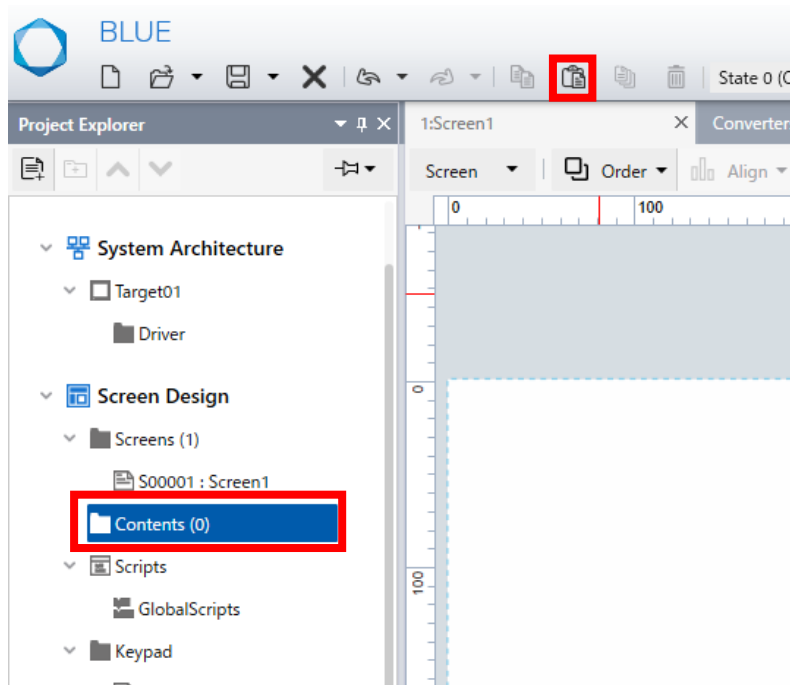
4. Select desired content ID and click "OK".
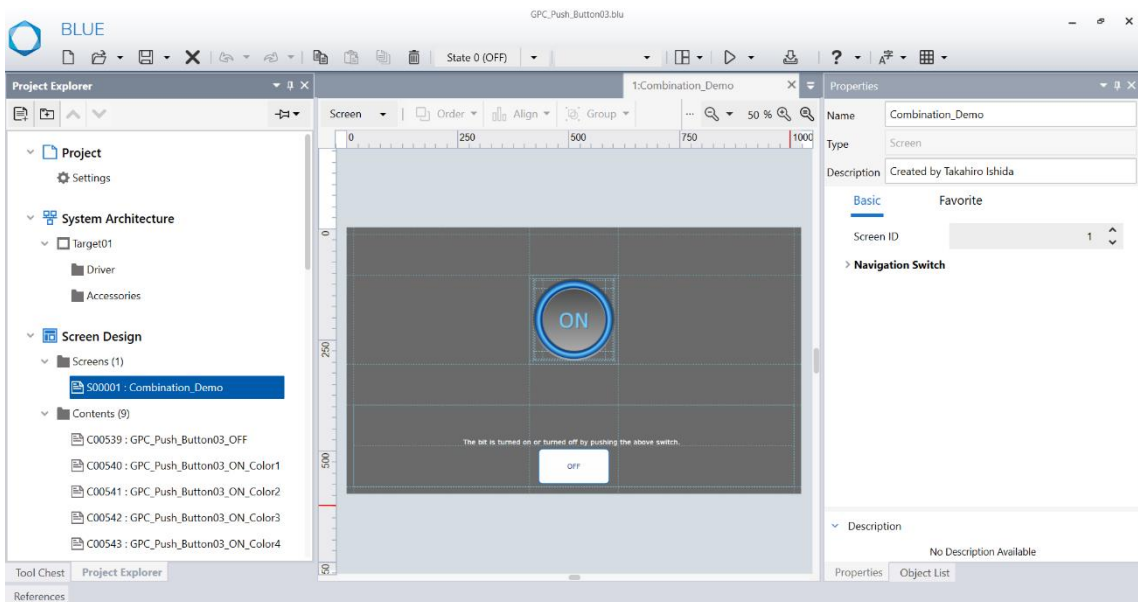
   Result: Copied content is successfully pasted in your project.
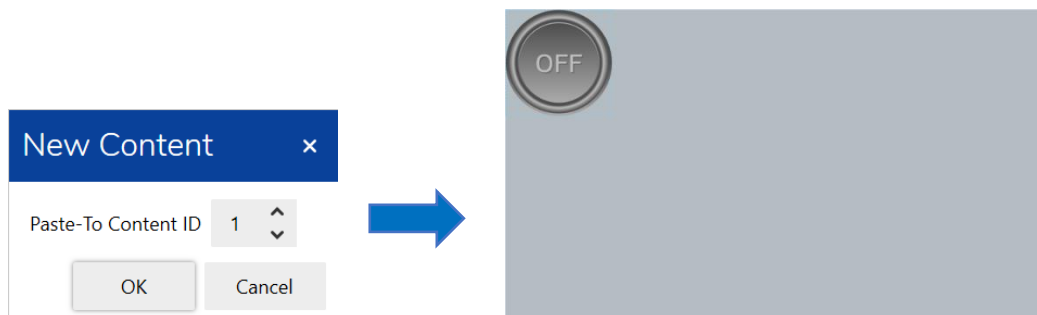
5. Repeat Step 2, 3 & 4, to copy the content for ON State (any desired content from 540 to 547).
    Note: You can also copy both OFF content and desired ON content at a time and paste in your project.
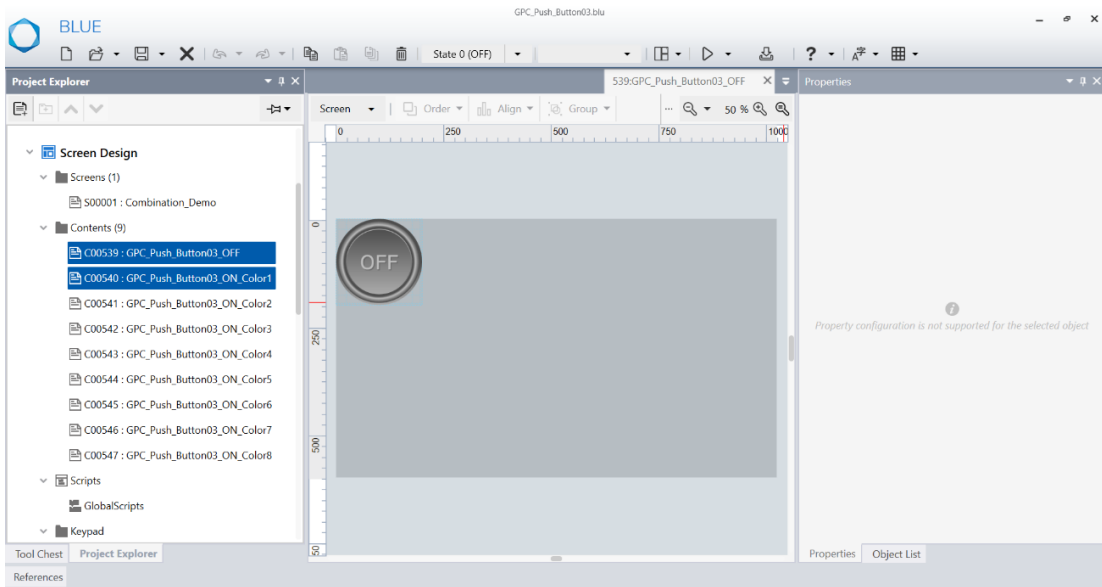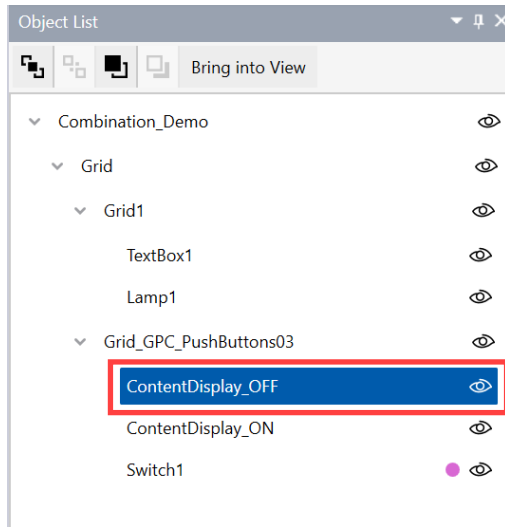

6. Open the downloaded project file and select the Combination_Demo Screen.

7. Select the entire grid object by dragging the mouse and click the copy icon from the global Toolbar.
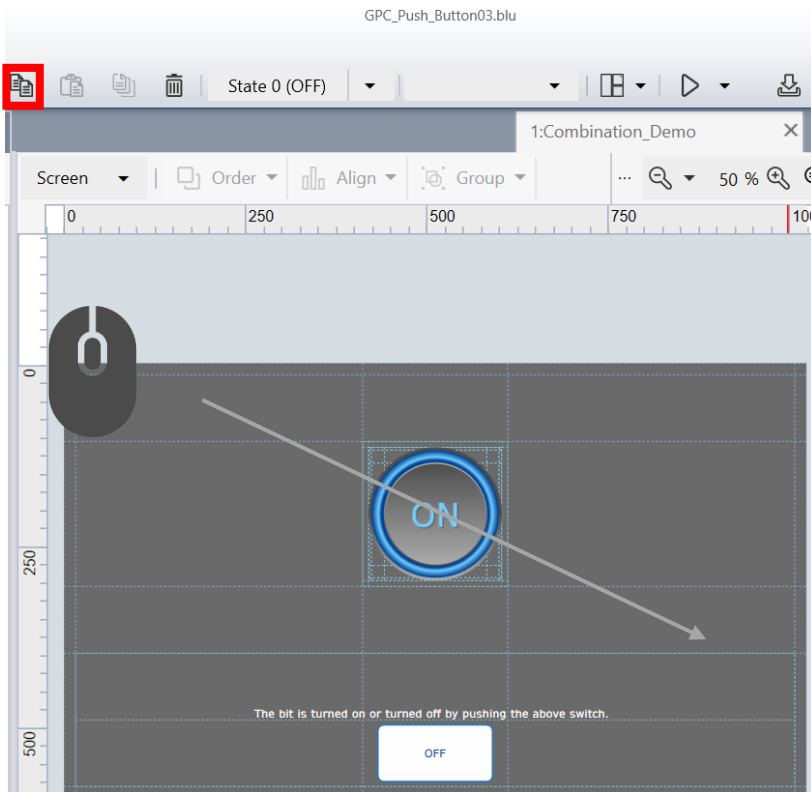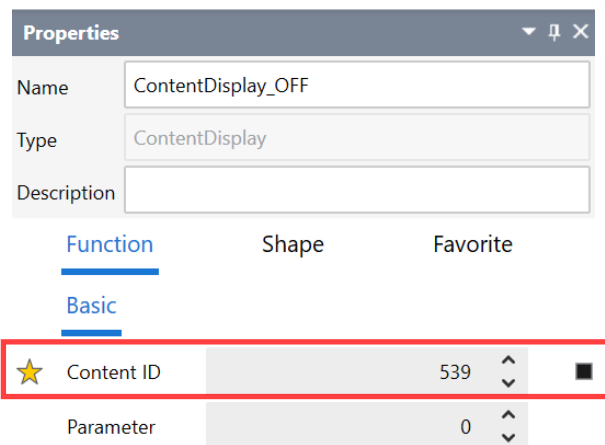

8. Open your project file, Select the screen that you want to paste it.
   Click on the screen area and then paste it using the paste icon from the global Toolbar.
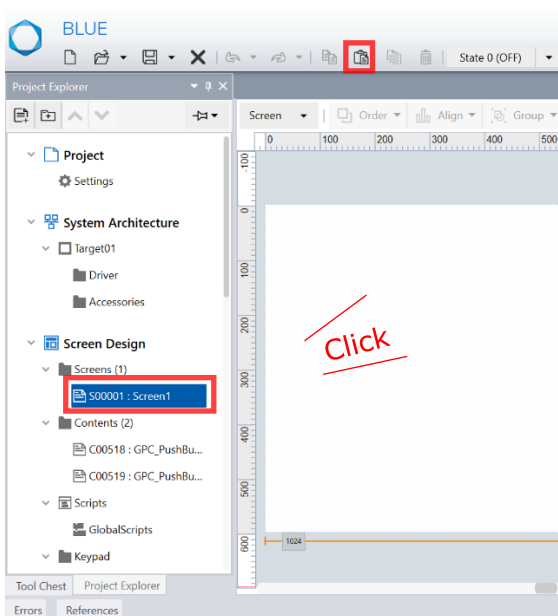
9. In Object List, Select ContentDisplay_OFF

In Properties tab, Select the Content ID of OFF Content (GPC_Push_Button03_OFF_Color).


Note: You can skip this step, if Content ID of copied OFF content (GPC_Push_Button03_OFF_Color) is same as downloaded project file.

10. Repeat the above step (9) for ContentDisplay_ON

11. You can resize the push button. For more details, refer How to Resize Grid Parts.

12. Open the downloaded project file and select "All variables". Select the displayed variables and click the copy icon from global Toolbar.
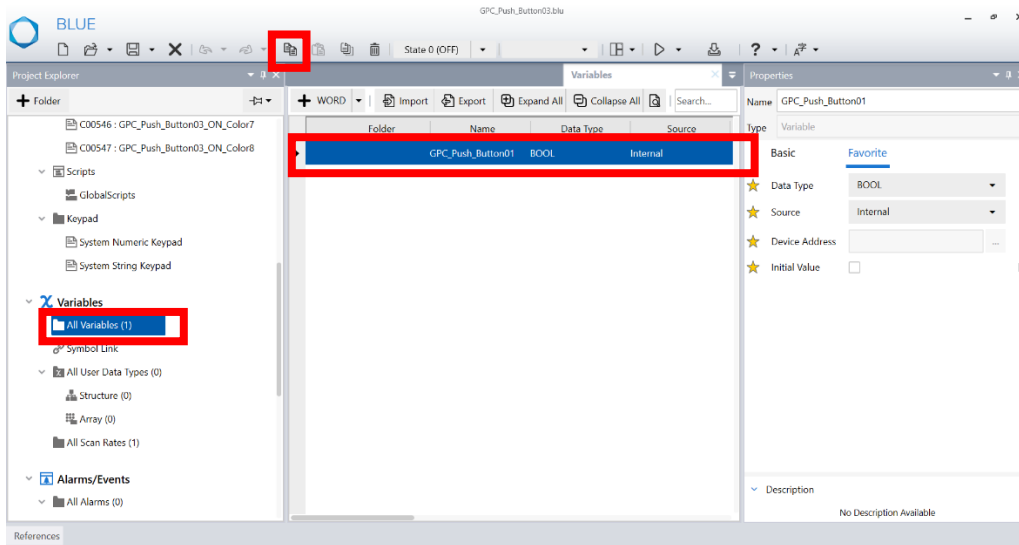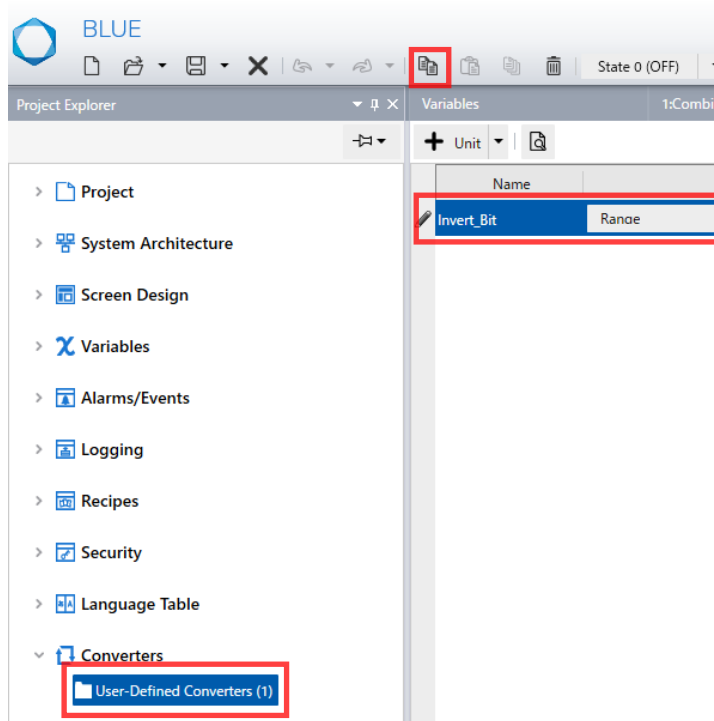

13. Open your project file and select "All Variables".
    Click an existing variable or a blank Variable and click paste icon in global toolbar.
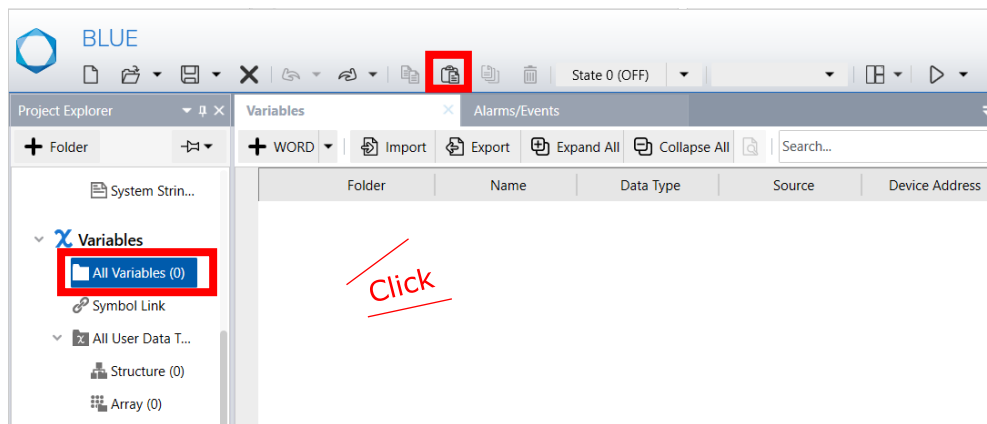


The copied variable is pasted in your project.

Note: You can also create your own variables to toggle the push button. For more details, refer How to Change Push Button Variables

14. Open the downloaded project file, select "User-Defined Converters". Select the displayed converter and click the copy icon from the global Toolbar.
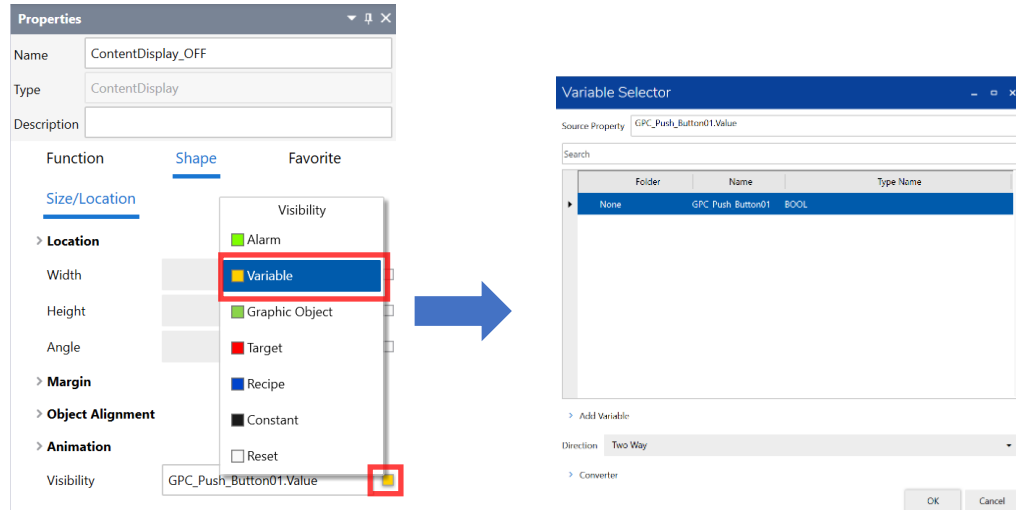

15. Open your project file, select "User-Defined Converters". Click on the Converter screen and click paste icon from the global Toolbar.
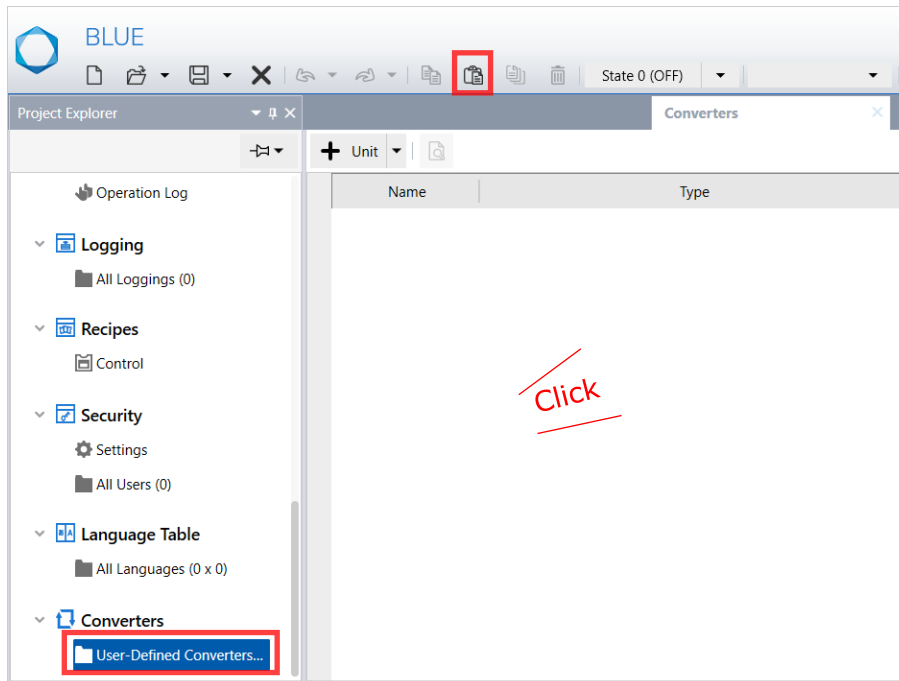
How to Change Push Button Variables

1. In Screen, select ContentDisplay_OFF. In Properties tab, select **Shape** > **Size/Location** > **Visibility** and bind the desired variable from variable selector.


2. Repeat the above step for ContentDisplay_ON.

3. Select Switch1. In Properties tab, Select **Function** > **Touch** > **Operation** > **Destination** and bind the same variable as above from variable selector.
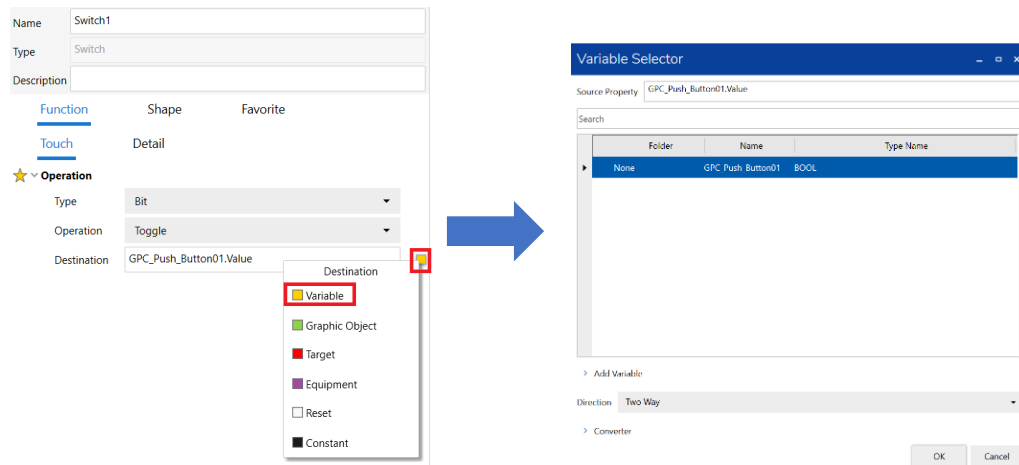
How to Resize Grid Parts

1. Select Screen (where Grid part is placed) and then select the grid object (Grid_GPC_PushButtons03).

2. In properties tab, change the value of Width and Height.
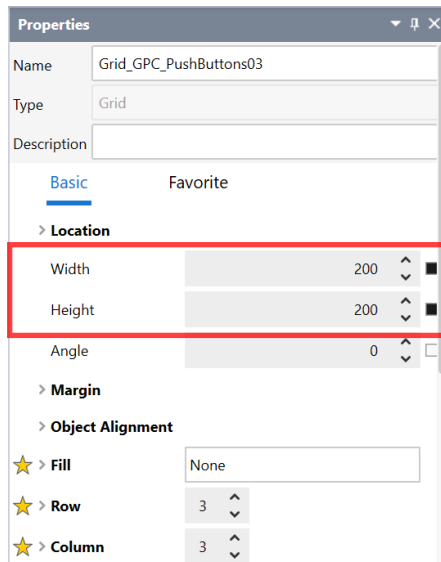
Note:

1. Set same value of width and height to maintain the shape.
2. Modify the font size of OFF and ON text in content to fit as per the new size change.
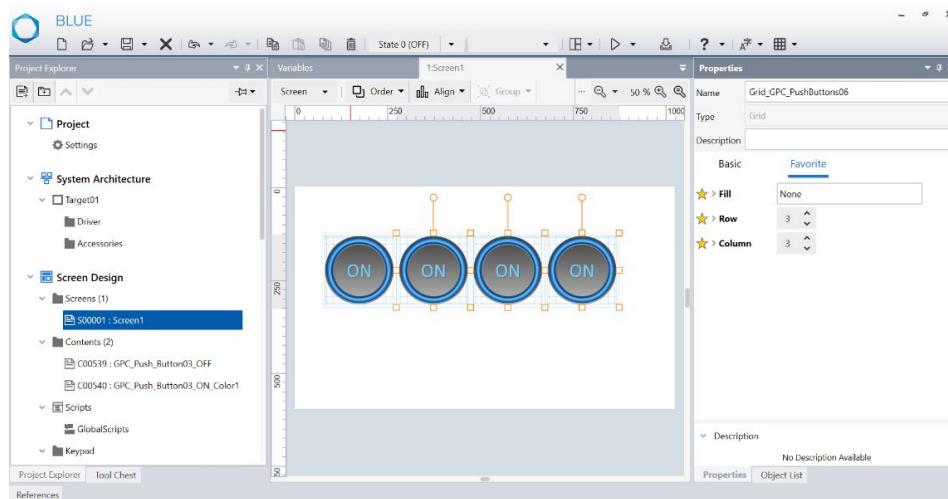
How to Duplicate Grid Parts

1. In screen, select the grid object (Grid_GPC_PushButtons03) and click the duplicate icon.
   Result: Duplicate window appears

2. Select all desired fields (direction to copy, the number, increment source property ….) and click "Duplicate".
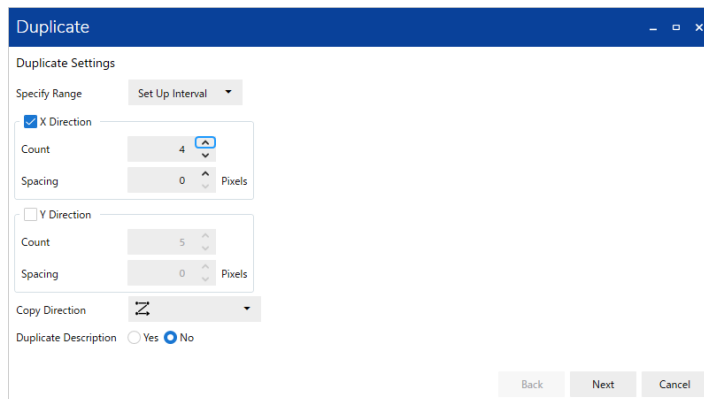
Result: The Grid Parts are duplicated.

Note:

Duplicate feature can be used, only if common variable/converter is used.

To use an independent Grid object, repeat the below steps,

- o Rename the Variable and converter of first Grid object.
- o Execute Copying of Grid Object again from template project. For more details, refer How to copy the objects to your project file.

How to Move the Grid Parts

To move the Grid Parts, select the Grid Parts by dragging a mouse and click the outside frame (within 8 pixels) and move it. Else, the form of the Grid Parts will not be kept.