Siemens KTP-400

6AV2 123-2DB03-0AX0

Switch Element
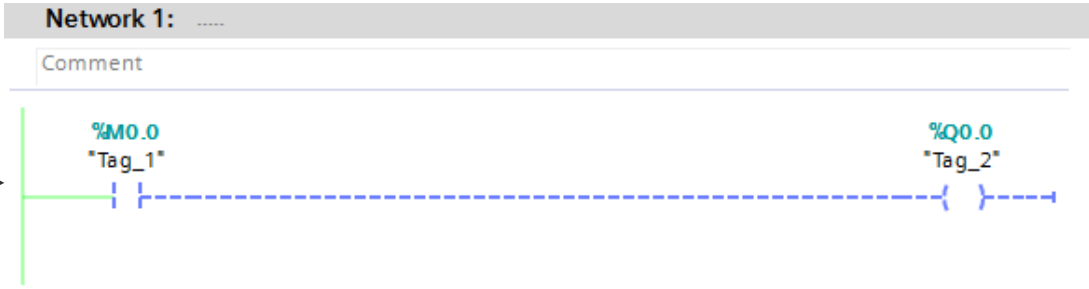
- How to create Switch Element?
- Assigning Tag
- Exercise Example

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STEP 1

Make a sample logic in PLC ⟶

Network 1: ......

Comment

%M0.0
"Tag_1"

%Q0.0
"Tag_2"

STEP 2

Start a '**New project**' in TIA as learned in previous lesson and follow the initial setup instructions

STEP 3

Drag the switch from Elements onto HMI Screen 0

```
        %M0.0                                              %Q0.0
        "Tag_1"                                            "Tag_2"
        | |                                                ( )
```

STEP 4

Assign the tag from the switch properties

Switch_1 [Switch]

Properties	Animations	Events	Texts

General

General
Appearance
Fill pattern
Design
Layout
Text format
Limits
Style/Designs
Miscellaneous
Security

Process

Tag: Tag_1

PLC tag: Tag_1

Address: Bool

Value for "ON":   1

STEP 5

Save your project and Simulate both PLC and HMI Project individually

Thank you

Get copy of this presentation in the course!

Next Lesson !

➡ Understanding various HMI Elements to design and monitor control screens

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Create Start/Stop switches on HMI with main emergency control

Buttons	Addresses
Start	M0.0
Stop	M0.1
Emergency	M0.2
Output	Q0.0

Exercise Example 2

Animate the Signal Tower such as

Buttons	Addresses
Start	M0.0
Stop	M0.1
Emergency	M0.2
Output	?

Start

Emergency

Stop