

Visu Ladder Logic Editor

The 'Visu Ladder Logic Editor' allows direct programming on a PLC via the visualization.

This library contains a function block and a ladder logic editor which can be instantiated by a PLC program. The function block has 8 inputs and 8 outputs and can be programmed via ladder logic. An example shows the usage of the library.

Product description

The product Visu Ladder Logic Editor is a simple ladder logic editor (LD) for a PLC with 8 inputs and 8 outputs. You can use the ladder logic function block in various projects. The visualization of the editor runs on the standard visualization of the control. An additional test mode allows you to test the program online.

More information

The package Visu Ladder Logic Editor contains the library VisuLadder and the example project VisuLadderExample. The library contains the function block CallLadder and the corresponding visualization element VisuLadderMain. Each function block can be instantiated several times. The example VisuLadderExample shows the usage of the function block CallLadder with two instances.

Technical description:

- 8 inputs
- 8 outputs
- 4 markers
- Integrated functions: Contact, Negate, TON, F_TRIG, R_TRIG, OR, AND
- 8 networks per instance, 4 contacts per network + 1 output
- Test mode

Programming:

You can place an element in the editor (*see figure 1*) by selecting a function and then the target position. It is also possible to select the target position first and then the function. A second click on the selected element deletes the selection.

Available Functions:

Input 1 - 8: Set an input

Marker 1 - 4: Set a marker

Output 1- 8: Set an output

Delete: Delete a selected element

Negate: Negate a contact

OR: Create or delete an OR connection with the last network output.

TON: Set function block TON (Timer)

F_TRIG: Set function block F_TRIG

R_TRIG: Set function block R_TRIG

Reset Markers and FBs: Sets all markers to FALSE and initializes all functions blocks. This function is available in test mode and programming mode.

Information: Markers and function blocks are used in programming and in test mode. The function "Reset Markers and FBs" will affect both modes!

Test mode:

The test mode can be activated by clicking the button "Switch to Test" (*see figure 2*). All input and outputs will be decoupled, the values will be preserved.

In test mode the program can be tested online by 8 input buttons and 8 output lamps.

Screenshots

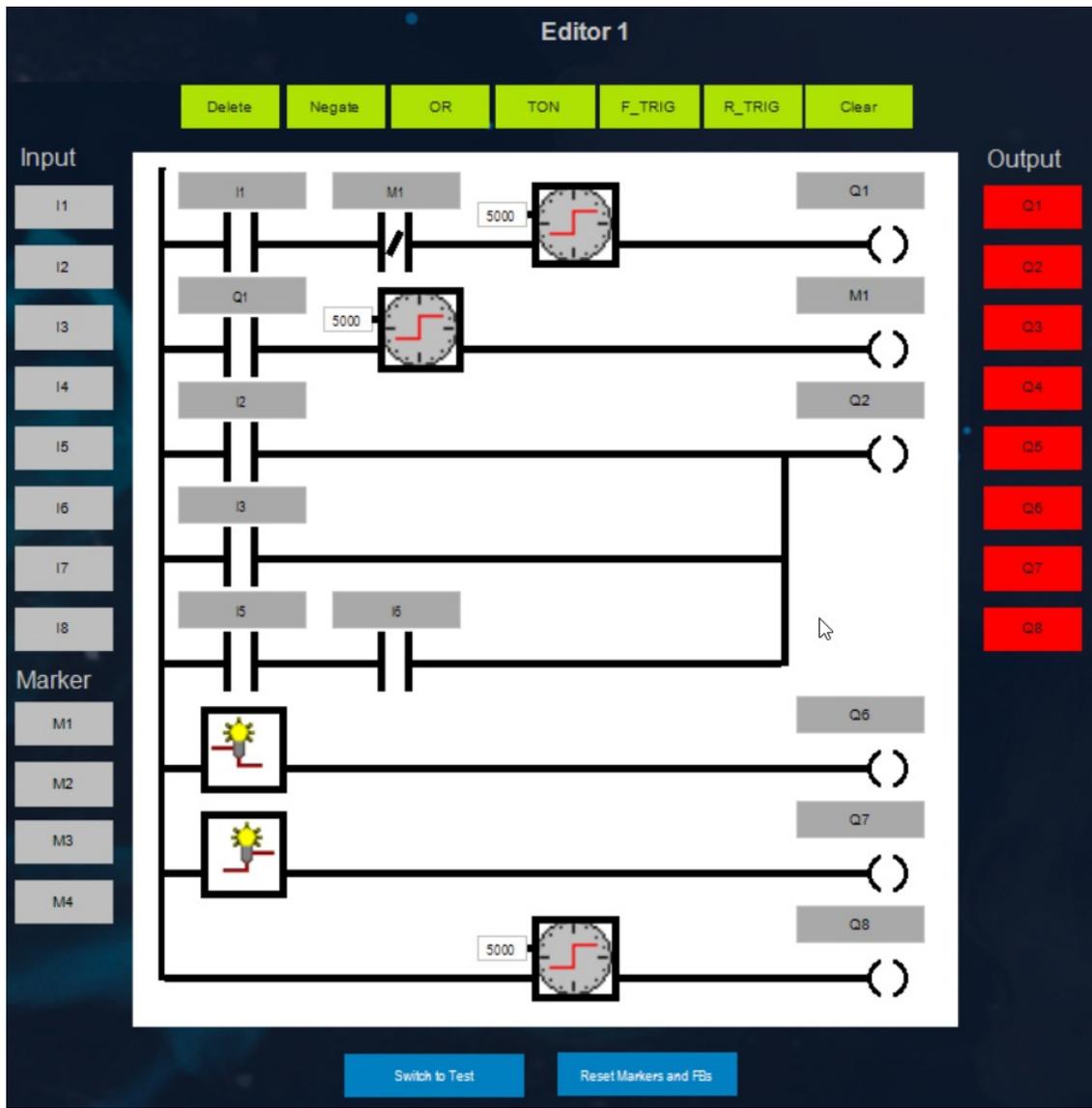


Figure 1: Programming mode

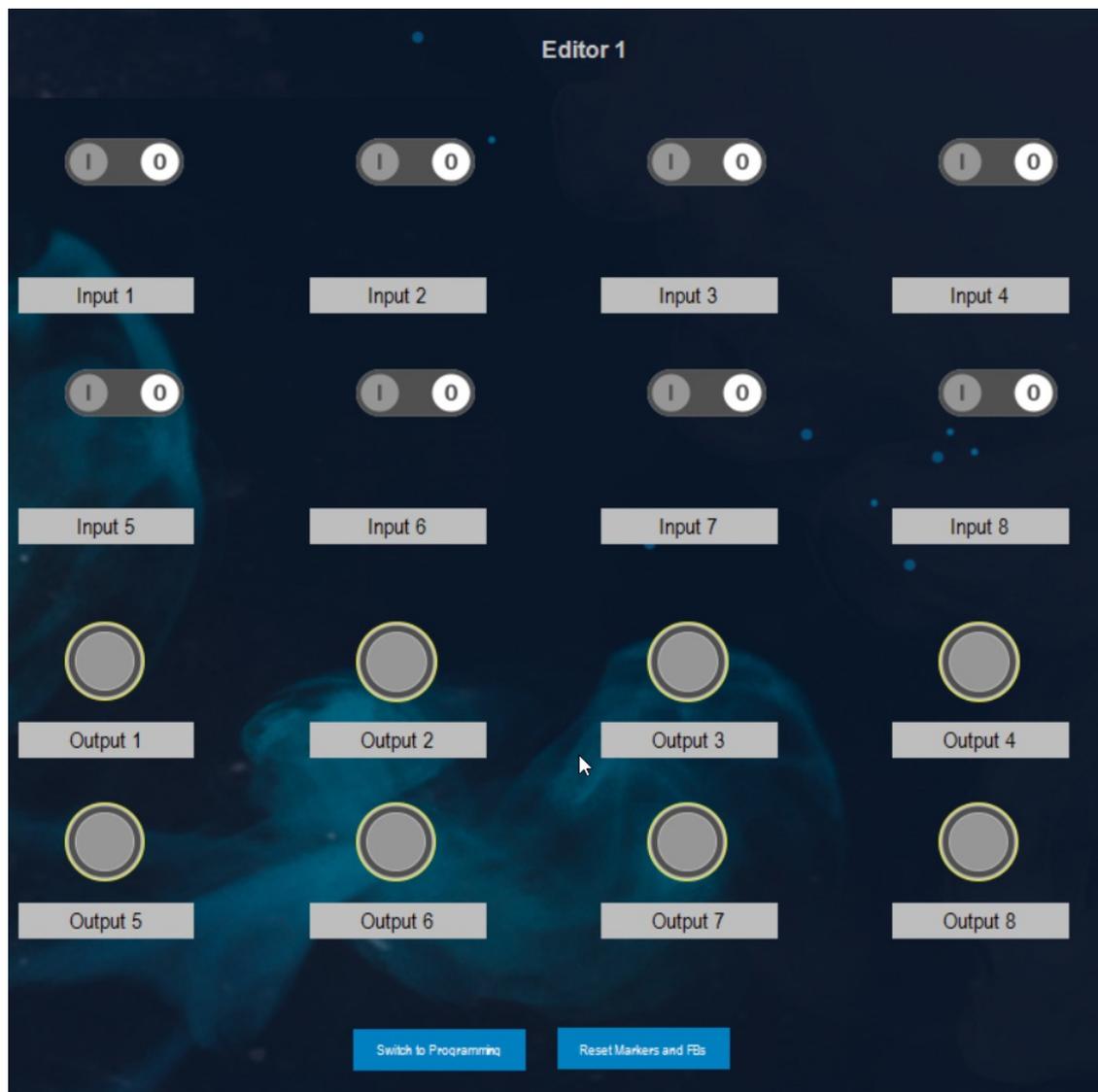


Figure 2: Testing mode

General information

Manufacturer:

3S-Smart Software Solutions GmbH
 Memminger Strasse 151
 87439 Kempten
 Germany

Support:

<https://support.codesys.com>

Item:

Visu Ladder Logic Editor

Item number:

602013

Sales:

CODESYS Store

<https://store.codesys.com>

Included in delivery:

- CODESYS software and / or license key with billing information
- For training courses and events: Booking confirmation

System requirements and restrictions

Programming System	CODESYS Development System Version 3.5.14.0 or higher
Runtime System	CODESYS Control Version 3.5.14.0
Supported Platforms/ Devices	-
Additional Requirements	-
Restrictions	-

Note: Not all CODESYS features are available in all territories. For more information on geographic restrictions, please contact sales@codesys.com.

Note: Technical specifications are subject to change. Errors and omissions excepted. The content of the current online version of this document applies.