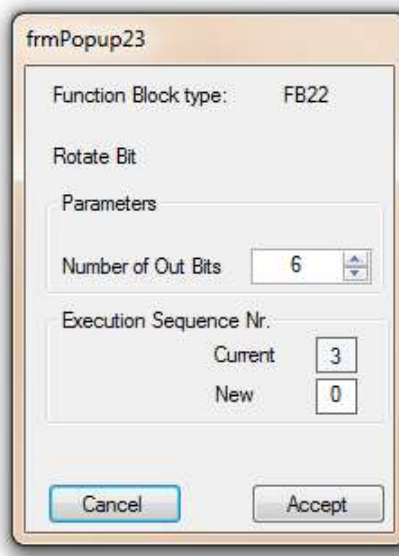
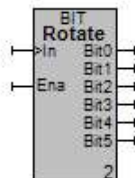


Function Block 22

Rotate_X

Function Description

When the Ena (enable) input is not active all outputs remain at zero. When Ena is active then one of the outputs (by default Bit0) will be high. Each 0-to-1 transition on input In will rotate the active bit towards the next higher position and wrap to Bit0 from the last position. The number of outputs is selected at configuration time. Both inputs can be inverted.



Popup Parameters

- Number of output bits.
- Execution Sequence Nr.

Input/Output and Parameters

Type	Description	Data Type	Range
Input	Input signal (Step)	Boolean	0, 1
Input	Input signal (Enable)	Boolean	0, 1
Output (1...8)	Output signal	Boolean	0, 1

Application

For selecting different states or steps.

Notes:

This function block can be hosted by Cyclic or Time-Tasks.