

Function Block 20, 56, 72, 78 Select between 2 signals

Function Description

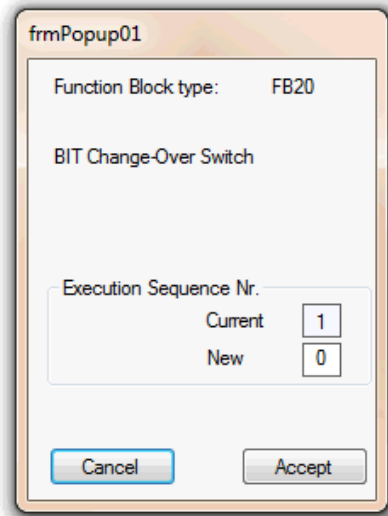
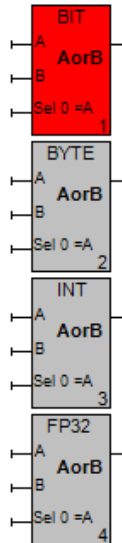
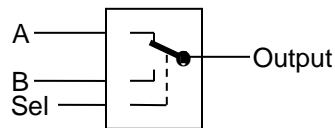
The output is equal to input A when input Sel = 0. If input Sel = 1 then output is equal to input B. All 3 the inputs can be inverted for FB20. For FB56, 72, and 78 only the Sel input can be inverted.

Popup Parameters

Execution sequence number.

Algorithm Description

A diagram is the easiest way to indicate what this function does.



Input/Output and Parameters

Type	Description	Data Type	Range
Input	Input A signal	Depends on FB	Depends on FB
Input	Input B signal	Depends on FB	Depends on FB
Input	Input Select signal	Boolean	0, 1
Output	Output signal	Depends on FB	Depends on FB

Application

Select between 2 logic signals. Can also be used to perform as sample-and-hold by connecting output to input A. Every time input Sel is at logic 1 then input B's value is transferred to the output. When Sel is now returned to logic 0 the output will remain at the value B was.

Notes:

This function block can be executed by Cycle and Time tasks.