



Inspiring Motion

Since 1988

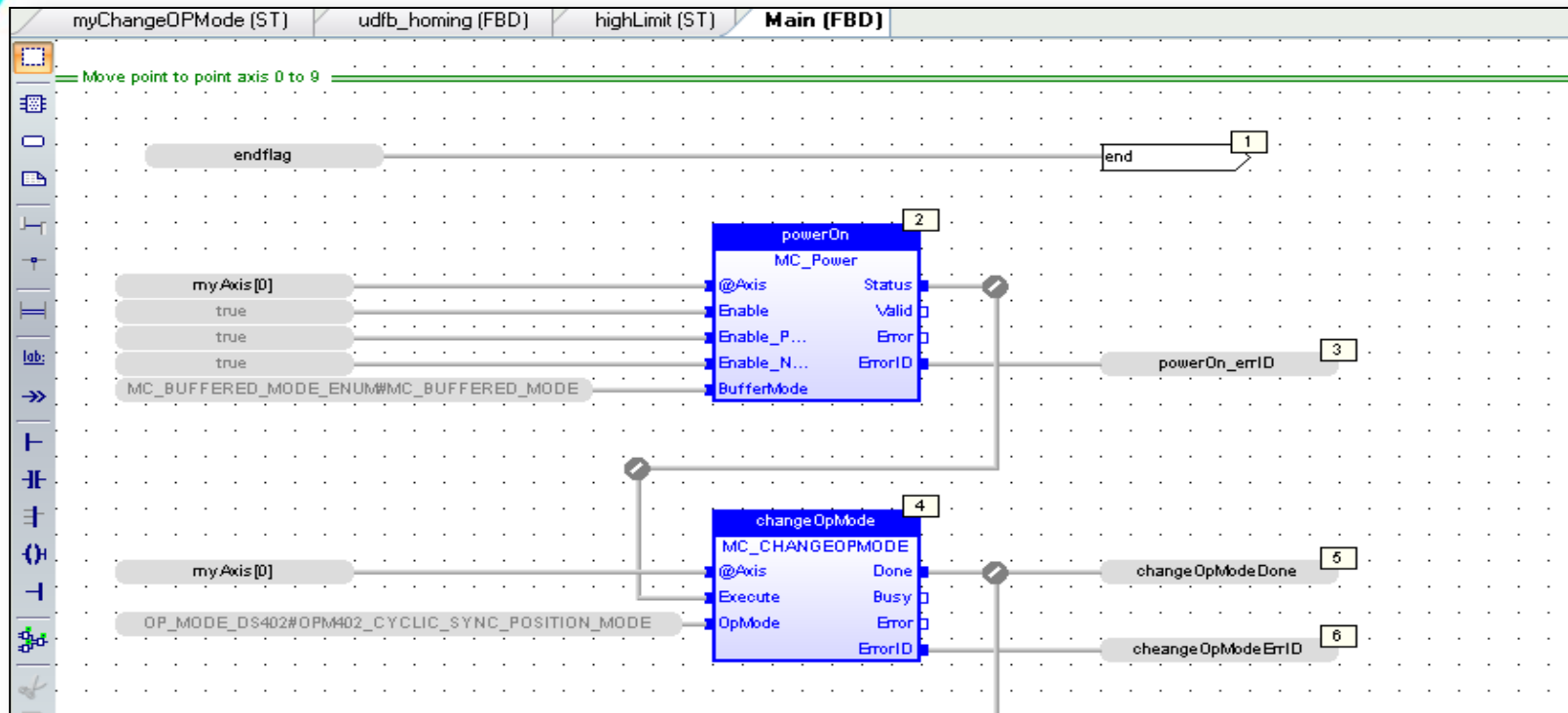
Programming Languages

Function Block Diagram (FBD)

Programming Languages

Function Block Diagram (FBD)


- Data flow:
- The data flow direction is from top to bottom and left to right.

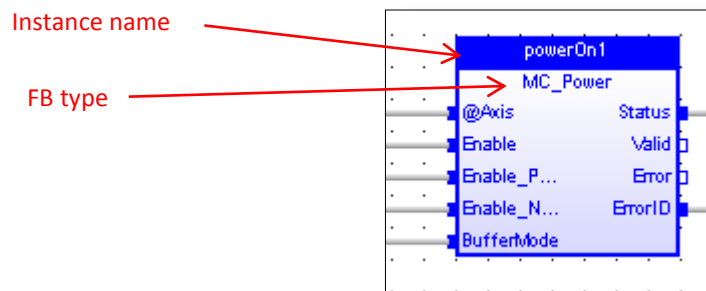


Programming Languages

Function Block Diagram (FBD)

> Instance

- > The name of the operation or function, or the type of function block is written within the block rectangle.
- > In case of a function block call, the name of the called instance must be written upon the block rectangle.
 - > You have to create the instance and select it !
 - > Blocks are indicated in lists with the following symbol: 



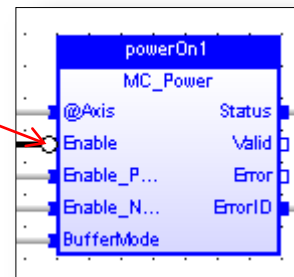
Programming Languages

Function Block Diagram (FBD)

> Boolean negation

- > In case of a Boolean connection, you can make the Boolean negation of the data flow by activating the space bar while the link is selected.
 - > A small circle at the end of the link indicates the negation.

Negation

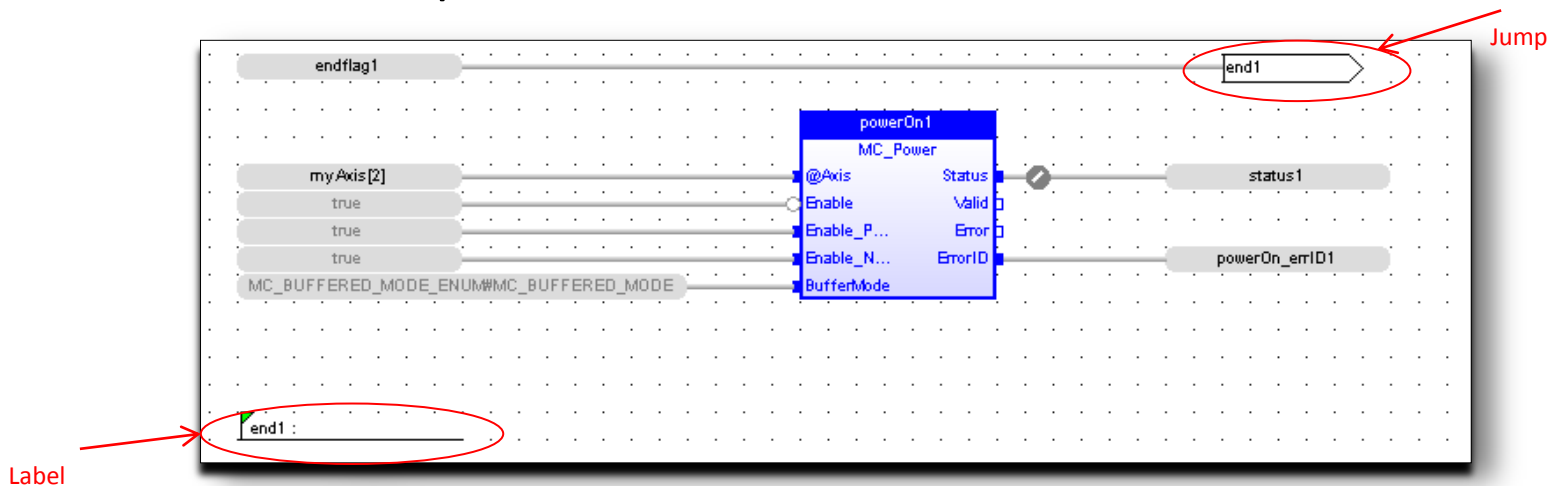


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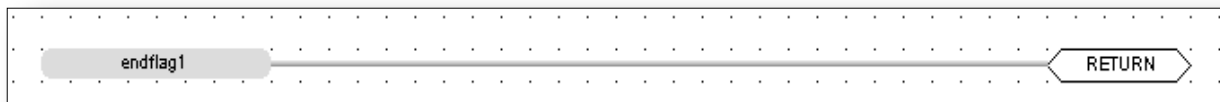
Function Block Diagram (FBD)

> Label/Jump/Return

- > Labels are used as the destination for a jump instruction.
- > Jumping to a label branches the execution of the program after the specified label.



- > Jump to the end of the program.

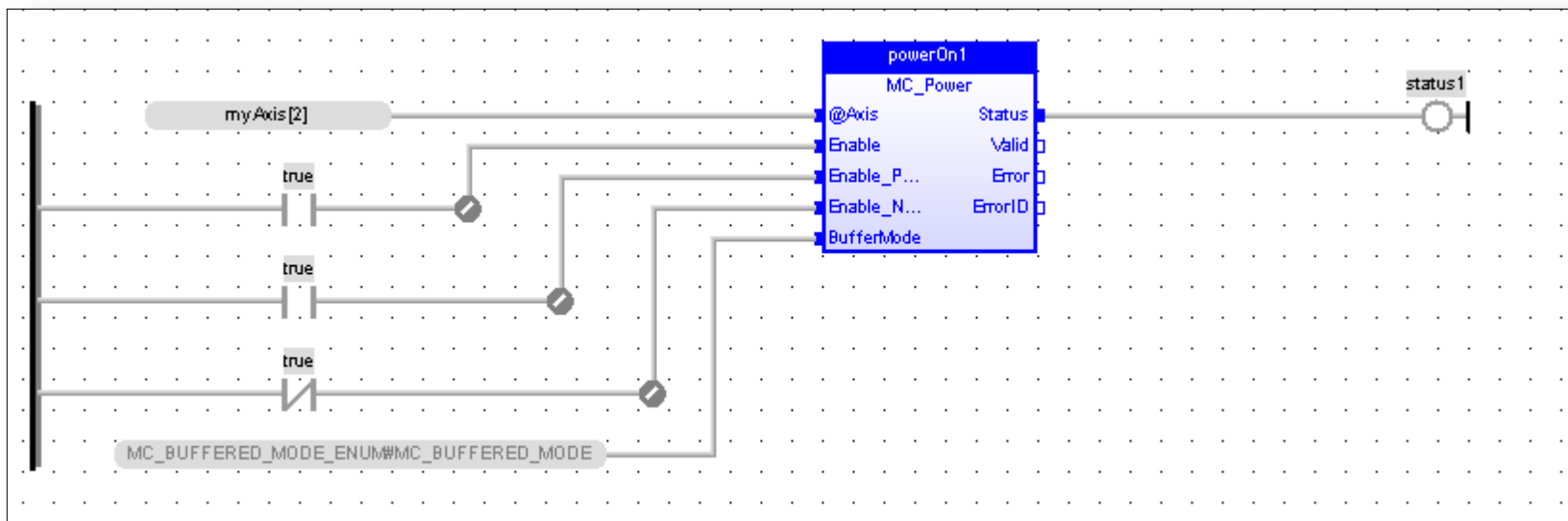


Programming Languages

Function Block Diagram (FBD)

➤ Ladder Diagram in FBD

- LD symbols may also be entered in FBD language and linked to FBD objects.





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Thank You!

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