

Table of contents

- Function block diagram (FBD)

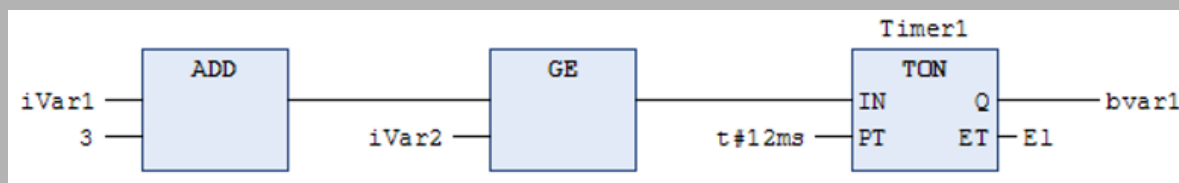
Function block diagram (FBD)

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The function block diagram is a graphically oriented IEC 61131 programming language. The function block diagram uses a list of networks. Each network contains a structure that can contain logical and arithmetic expressions, calls to function modules, a jump or a return statement.

Here, function blocks are used which are known from Boolean algebra. Function blocks and variables are linked with connecting lines. The signal flow runs from left to right in the network. The signal flow in the editor runs from top to bottom, starting with network 1.

Example



CFC is also a programming language based on the principle of FBD, but with the following differences:

- The CFC editor is not network-oriented.
- You can freely place the elements in the CFC editor.
- Direct insertion of feedbacks is possible.
- The processing order is determined by a list of currently inserted elements, which you can change.

Also refer to

- \ “Programming in a function block diagram (FBD)”
- \ “Menu commands - General information” (Commands)
- \ “Program application - General information”