Abstract

Method for the generation and storage of a user program, consisting of instructions, for a programmable controller, and operating method for a programmable controller

During the program execution of a user program, the function code assigned to an output signal (A1 to A4) and the function parameters assigned to this function code are read first. For each function parameter, depending on whether this refers to an input signal (E1 to E4) or to another instruction (B5), either the input signal (E1 to E4) is stored temporarily or a branch is made to the other instruction (B1 to B5) and its function code and function parameters are executed. The generation of the user program is carried out in a similar way. In addition, however, in this case the storage or the as-valid identification of the user program is prevented if the function parameters of all the instructions (B1 to B5) of at least one output signal (A1 to A4) have not all been input.

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