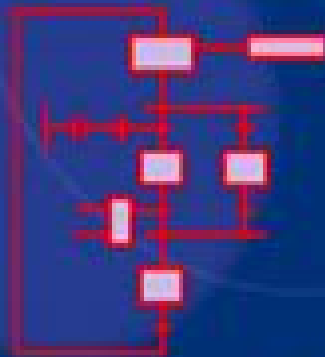


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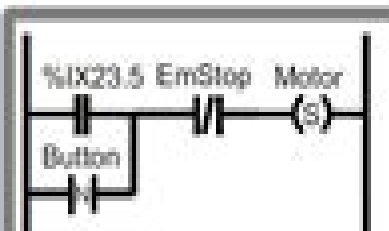
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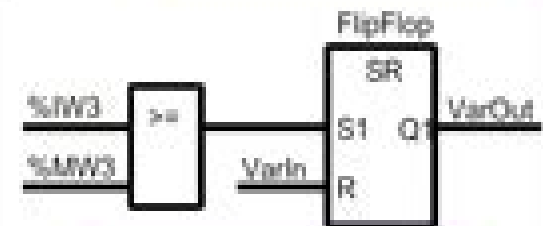
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Ladder Diagram



Function Block Diagram

LD %IX23.5
ORN Button
ANDN EmStop
S Motor

Instruction List

```
FlipFlop ( S1 := (%IW3 >= %MW3),  
          R := VarIn );  
VarOut := FlipFlop.Q1;
```

Structured Text

Figure 2.1. Simple examples of the programming languages LD, FBD, IL and ST. The examples in LD and IL are equivalent to one another, as are those in FBD and ST.

Additionally, the description language Sequential Function Chart (SFC) can be used to describe the structure of a PLC program by displaying its sequential and parallel execution. The various subdivisions of the SFC program (steps and transitions) can be programmed independently using any of the IEC 61131-3 programming languages.

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